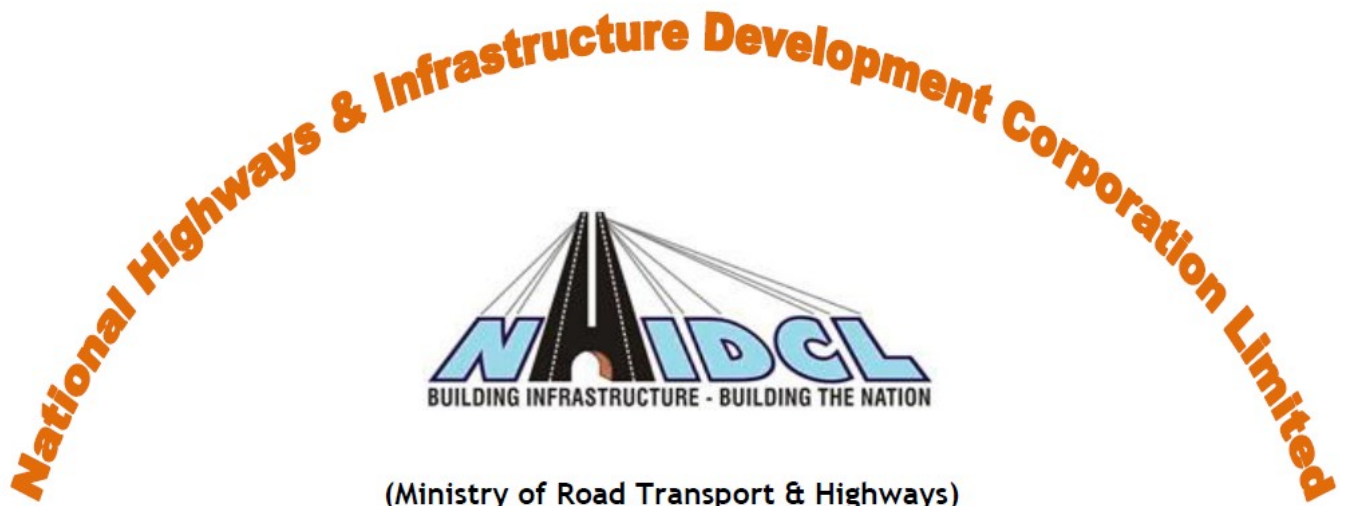




(Ministry of Road Transport & Highways)

Government of India

Request for Proposal (RFP)

“Renovation of Central Civil Services Cultural & Sports Board
(CCSCSB) Sports Complex at Vinay Marg, New Delhi”

DECEMBER, 2021

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
PTI BUILDING, 3RD FLOOR, 4, PARLIAMENT STREET
NEW DELHI-110001

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DISCLAIMER

The information contained in this Request for Proposal document (the “RFP”) or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of the Authority or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP document is not an agreement, is not an offer or invitation to any other party. The purpose of this RFP document is to provide interested parties with information to assist the formulation of their bid. The information is not intended to be exhaustive. Bidders are required to make their own inquiries and respondents will be required to confirm in writing that they have done so and they do not rely solely on the information provided in the RFP.

The information is provided on the basis that it is non – binding on National Highways & Infrastructure Development Corporation Ltd. (NHIDCL), Delhi, or any of its authorities or agencies or subsidiaries or any of their respective officers, employees, agents or advisors.

NHIDCL reserves the right not to proceed with the Project or to change the configuration of the Project, to alter the timetable reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the Project further with any party submitting the Bid.

While NHIDCL have taken due care in the preparation of the information contained herein and believe it to be accurate, neither NHIDCL nor any of its authorities or agencies nor any of their respective officers, employees, agents or advisors gives any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

No reimbursement of cost of any type will be paid to persons or entities submitting their Bid.

DEFINITIONS

“Engineer-in-Charge / Engineer” means person/ agency appointed by the NHIDCL.

“Employer” / Authority means NHIDCL

“NHIDCL” means NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

“Project” means “Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi” on Item Rate basis.

“Site” means the place where the buildings and associated infrastructures are to be constructed/renovated.

“Bid” or **“Bids”** shall mean the offer submitted by a Bidder in accordance with this document for the above Project.

“Bidder/ Contractor” means a firm that has submitted its Bid or Bids for the Project.

“Completion Date” is the date of completion of the Works as certified by the Engineer.

“Contract” is the Contract between the Employer and the Contractor to execute, complete, and maintain the Works.

“Contract Data” defines the documents and other information, which comprise the Contract.

“Contractor” is a person or corporate body whose Bid to carry out the Works has been accepted by the Employer.

“Contractor's Bid” is the completed upon the online submission of the Bid and subsequent submission of documents to be submitted in the physical form as required under the ITB.

“Contract Price” is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

SECTION – I
INVITATION FOR BIDS (IFB)

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

MINISTRY OF ROAD TRANSPORT & HIGHWAYS, GOVT. OF INDIA

Notice Inviting Tender

(National Competitive Bidding through e-Tendering mode only)

Bid/Package No.: NHIDCL/CCSCSB/2021-22

Date: 06.12.2021

RFP for “Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi” on Item Rate basis”

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. of India (hereinafter called “the Employer”) hereby invites Item Rate Bids on two bid systems through e-tendering for the following work from experienced firms/organizations excluding those firms who have been declared as non-performing by MoRTH/NHAI/MoPSW/NHIDCL/CPWD or the firms those are blacklisted/ debarred for specified period by MoRTH/NHAI/MoPSW/NHIDCL/CPWD and against whom such action is under process by MoRTH/ NHAI/MoPSW/NHIDCL/CPWD.

The NHIDCL represented by Managing Director now invites bids from eligible contractors for the following project:

State/ UT	Location	Name of Work	Estimated Cost (Rs. in Lakh) (Including GST)	Time of Completion
Delhi	New Delhi	Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi.	155.30	6 Months

- The Scope of Work is as per Bill of Quantities for the subject work.
- The authorized signatory holding Power of Attorney shall only be the Digital Signatory. In case, authorized signatory holding Power of Attorney and Digital Signature are not the same, the bid shall be considered non-responsive.
- The detailed tender document can be viewed from the website www.eprocure.gov.in & www.nhidcl.com from 06.12.2021 to 20.12.2021 upto 11:00 Hrs. NHIDCL and e-procure portal is to be used through computer having Window Operating System only.
- To participate for the bidding, bidders have to pay non-refundable document fee of Rs. 11,800/- including GST @ 18% through RTGS/NEFT/other online mode to the NHIDCL's account, as given below:

Sr. No.	Particulars	Details
1.	Name of Beneficiary	MD-NHIDCL
2.	Beneficiary Bank Account No.	90621010002610
3.	Beneficiary Bank Branch Name and Address	Canara Bank (erstwhile Syndicate Bank), Transport Bhawan, 1st Parliament Street, New Delhi 110001
4.	Beneficiary Bank Branch IFSC	CNRB0019062

A copy of payment receipt (RTGS/NEFT/Other online mode) must be submitted along with bid.

- Bid should be submitted online in the prescribed format given in the website. No other mode of submission is acceptable.

7. The Amendments/clarifications to the bid document if any will be hosted on the above website only.
8. Any queries or request for additional information concerning this RFP shall be submitted by e-mail to the officer designated with identification/ title: "Queries / Request for Additional Information: RFP for Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi."

Dy. General Manager (Technical)

Email Id: gm.infra@nhidcl.com

Ph. No : +91-11-23461616

Mobile: +91-9958160555

NHIDCL, 2nd Floor, PTI Building,

4-Parliament Street, New Delhi-110001, India

9. Conditional bids would be rejected.
10. NHIDCL reserves the right to accept/reject any or all the bids without assigning any reasons thereof.
11. **Schedule of Bidding Process**

The Authority shall endeavour to adhere to the following schedule:

Bid Document /NIT Publishing Date	06.12.2021
Bid Document Download / Start Date	06.12.2021
Clarification Start Date (Pre bid queries)	06.12.2021
Clarification End Date (Last date for receipt of pre bid query)	13.12.2021
Pre bid meeting	13.12.2021 (1500 hrs)
Authority's response to pre bid queries on e-tender portal latest by	15.12.2021 (1700 hrs)
Bid Submission Start Date	16.12.2021 (1500 hrs)
Bid submission End Date (online & physical Copy)	20.12.2021 (1100 hrs)
Opening Date of Technical Bids	21.12.2021 (1130 hrs)
Date of uploading of list of Technically Qualified Applicants	To be intimated later
Date of Opening of Financial Bids of Qualified Applicants	To be intimated later

(Rajendra Singh)

Dy. General Manager (Technical)

NHIDCL, 3rd Floor, PTI building 4, Parliament Street, New

Delhi-110001, Ph. 011-2346 1616

Email: gm.infra@nhidcl.com

SECTION – II

INSTRUCTION TO BIDDERS (ITB)

INSTRUCTIONS TO BIDDERS (ITB)

A. General

1. Scope of Bid

- 1.1 The National Highways & Infrastructure Development Corporation Ltd (NHIDCL) hereinafter called "The Employer" invites short term bids for the work "**Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi.**" The work is to be executed on item rate basis as laid down in the Bill of Quantities (BOQ) and tender drawings included in this RFP document.

The scope of work shall include renovation of various sports facilities under CCSCSB under following subheads of works:

S.H.	Sub-Head Description
1	Enclosing of cricket practice pitches arena with 10 feet high Iron chain link fencing, extension of pitches and development of bowler's end Part-A: Chain link fencing & Safety Nets Part-B: Extension & Laying Artificial Grass Cricket Pitch Part-C: Development of Bowler's run-up area
2	Construction of pavement and repair & painting of boundary wall & grills near entrance gate from Vinay Marg Part-A: Construction of pavement Part-B: Repair and Painting of Boundary wall & Grills
3	Construction of ramp and pavement, raising of boundary wall & grills along Madhu Limaye Marg Part-A: Construction of Ramp & pavement Part-B: Installation of Concertina Fencing over existing Boundary wall & Grills
4	Miscellaneous works in Tennis Courts Part-A: Laying of 2 nos Clay Tennis Court Surfaces Part-B: Replacement of High Mast Lights Part-C: Installation of Steel Benches & Dugouts Part-D: Renovation of Toilet Block Part-E: Repair & Painting of Fencing around tennis court Part-F: Internal Electrical works of Toilet Blocks
5	Development of Basketball and Volleyball Courts enclosures and laying new Volleyball Court surface Part-A: Shifting of chain link fencing for Basketball & new fencing for Volleyball court Part-B: Extension of Basketball & Volleyball Court enclosure & laying synthetic Volleyball court
6	Renovation of Offices and Toilets Part-A: Renovation of Offices and Toilet T-4 Part-B: Reconstruction of toilets T-1, T-2 & T-3
7	Open Stage making with grass top on raised ground in eastern side of ground no. 3 & Miscellaneous works Part-A: Stage development with peripheral walls Part-B: Horticulture works Part-C: Miscellaneous works

S.H.	Sub-Head Description
8	Miscellaneous works in Tennis Courts at the President's Estate, New Delhi Part-A: Laying of 3 nos. Clay Tennis Court Surfaces Part-B: Replacement of High Mast Lights Part-C: Installation of Steel Benches & Dugouts Part-D: Repair & Painting of Fencing around tennis court & other Miscellaneous works Part-E: Repair & Maintenance works at Buildings at Tennis Courts

Maintenance during defect liability period including & preparation of all detailed shop drawings wherever required, obtaining approval from all local authorities, if any required; permission / approval for tree replantation etc. all are to be executed as integral part of the Works at bidders' quoted price.

- 1.2 The successful bidder will complete the contract works in six (6) months period commencing with effect from issuance of Letter to proceed/commencement or the date of handing over of the site whichever is later.

Throughout these bidding documents, the terms "bid "and "tender "and their derivatives (bidder/tenderer, bid/tender, bidding/tendering etc.) are synonymous.

- 1.3 Detailed scope of work is as per the BOQ for the subject work.

2. Source of Funds

The expenditure on this project will be met by National Highways & Infrastructure Development Corporation Ltd. (NHIDCL) on deposit work basis for and on behalf of the Central Civil Services Cultural & Sports Board (CCSCSB).

3. Eligible Bidders

- I. List of Similar Projects completed during last 5 years along with copy of the Work Orders, Client's Completion Certificate, etc. (at least one work of 80% of the estimated cost (or) 2 works of 60% of the estimated cost each (or) 3 works of 40% of the estimated cost each, each work completed during the last 5 years). The original work order and Client's Completion Certificate shall be produced if demanded during the evaluation of technical bid.
- II. Audited Balance Sheet and Profit & Loss Account Report of last 5 financial Years (ending FY 2020-21).
- III. Permanent Account Number (PAN).
- IV. GST Registration details.
- V. The minimum required number and experience of the proposed staff/specialist agencies to be deployed for subject work.

Sl. No.	Position	Minimum Qualification	Particular Experience (minimum requirement) in years	Total Numbers
(i)	Project Manager	Graduate in Civil Engineering or equivalent + 5 years experience.	3 years in civil construction and maintenance work	01

(ii)	Quality cum Material Expert	Graduate in Civil Engineering or equivalent + 3 years experience.	02 years as quality/material expert in civil construction and maintenance work	01
(iii)	Electrical Engineer	Graduate in Electrical Engineering or equivalent + 3 years of experience or Diploma + 5 years experience.	02 years in civil engineering electrical component construction and maintenance work	01
(iv)	Contractor shall engage specialist agencies/personnel having adequate past experiences to execute - (a) resurfacing of the Tennis clay courts, (b) laying of synthetic surface of the Volleyball court, and (c) artificial grass mat for cricket practice pitch, with prior approval of NHIDCL. Contractor shall submit the credential of such agencies and satisfy NHIDCL as to their qualification and eligibility to take up the works. Warranty from the specialist agencies, wherever stipulated for such items in the tender, shall be provided by the Contractor.			

Notes:

1. The CV's of the above staff duly signed with proof of their education shall be submitted (scanned images shall be submitted on e-portal).
2. Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.
3. Diploma holder with minimum 10 years relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

This Invitation for Bids is open to all bidders meeting the qualification requirements prescribed in this document.

Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent Practices by the Central Government, the State Government or any public undertaking, autonomous body, authority by whatever name called under the Central or the State Government.

VI. Joint Ventures/ Consortiums are not acceptable for this tender.

VII. For this work no International Bidder is eligible as individually or in any other capacity. The bidding is open to persons from India only.

- 3.1 The Bidder, should not be a non-performing party on the bid submission date. The Bidder, shall be deemed to be a non-performing party* (not applicable to the project whose contract is terminated by the Authority) if it attracts any or more of the following parameters:
 - i) Fails to complete or has missed more than two milestones in already awarded two or more projects of the Authority, even after lapse of 6 months from the scheduled completion date, unless Extension of Time has been allowed on the recommendations of the Independent Engineer due to Authority's default;
 - ii) Fails to complete a project, as per revised schedule, for which One Time Fund Infusion (OTFI) has been sanctioned by the Authority;

- iii) Physical progress on any project is not commensurate with the funds released (equity+debt+grant) from the escrow account and such variation is more than 25% in last one year as observed by the Independent Engineer in one or more projects;
- iv) Punch List Items in respect of any project are pending due to Bidder's default in two or more Projects of the Authority even after lapse of the prescribed time for completion of such items;
- v) Fails to fulfil its obligations to maintain a building in a satisfactory condition inspite of two rectification notices issued in this behalf;
- vi) Fails to attend to Non-Conformity Reports (NCRs) issued by the Independent/ Authority's Engineer on the designs/ works constructed by the Bidder pending for more than one year in two or more projects.
- vii) Fails to make premium payments excluding the current installment in one or more projects.
- viii) Damages/ Penalties recommended by the Independent/ Authority's Engineer on the Bidder during O&M period and the remedial works are not taken up in two or more projects.
- ix) Fails to achieve financial closure in two or more projects within the given or extended period (which shall not be more than six months in any case).
- x) Fails to submit the Performance Security within the permissible period in more than one project(s) of the Authority.
- xi) Rated as an unsatisfactory performing entity/ non-performing entity by an independent third-party agency and so notified on the website of the Authority.
- xii) Has Failed to perform for the works of Building, Expressways, National Highways, ISC & EI works in the last 2(two) years, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitral award against the Bidder, including individual or any of its Joint Venture Member, as the case may be.
- xiii) Has been expelled or the contract terminated by CPWD or the Ministry of Road Transport & Highways or its implementing agencies for breach by such Bidder, provided that any such decision of expulsion or termination of contract leading to debarring of the Bidder from further participation in bids for the prescribed period should have been ordered after affording an opportunity of hearing to such party.
- xiv) Stand debarred from the Authority as a natural consequence of termination of any project / contract of the Authority.
- xv) Has been placed in the Negative List of firms by the Authority for any reason including failure to deliver contract in time bound manner, abandoning the project without permission of the Authority, poor performance, penalties, missing targets or milestones, missing interim targets, clumsy execution of works, unethical practices, failure to abide by Integrity Pact or failure to follow any lawful directions given by the Authority.

***Note:** Sub-clauses (i) to (xi) under this Clause would be applicable only when the Contractor attracts these defaults on the bid submission date. The day the Contractor cures the said defaults and becomes compliant, he would be eligible to participate in bids received after such date.

The Bidder shall provide:

- i) Details of all their on-going projects along with updated stage of litigation, if so, against the Authority / Governments;
- ii) Details of updated on-going process of blacklisting if so, under any contract with Authority / Government; and
- iii) Details of all their on-going projects in the format as per RFP.

The Authority reserves the right to reject an otherwise eligible Bidder on the basis of the information provided under this clause 3.1. The decision of the Authority in this case shall be final.

4. Qualification of the Bidder

- 4.1 NHIDCL has to finalize its purchase/contracts within a limited time schedule. Therefore, it may not be feasible for NHIDCL to seek clarifications in respect of incomplete offers. Prospective bidders are advised to ensure that their bids are complete in all respects and conform to NHIDCL's terms, conditions and bid evaluation criteria of the tender. Bids not complying with NHIDCL's requirement may be rejected without seeking any clarification.

All bidders shall furnish the following information and documents with their bids in Section-III, Qualification Information.

- a) Scanned copies of original documents defining the constitution or legal status, place of registration, and principal place of business; scanned copy of written Power of Attorney of the signatory of the Bid to commit the Bidder and original copy of Written Power of Attorney to be submitted in the envelop of physical form. (Please refer Clause 12 of ITB).
 - b) Scanned copy of experience certificate of works of similar nature for each of the last five financial years (commencing from year 2016-17) as mentioned in Cl. 3 (I).
 - c) Scanned copy of reports on the financial standing of the Bidder, and a certificate from Chartered Accountant as a proof of turnover for the last five financial years;
 - d) Scanned copy of information regarding any litigation or arbitration during the last five years in which the Bidder is involved, the parties concerned, the disputed amount, and the present status;
- A. To qualify for award of the contract, each bidder in its name should have the following;
- a) Achieved an average annual financial turnover equal to 40% of total estimated cost the amount indicated in NIT during last five financial years (ending financial year 2020-21), duly certified by Chartered Accountant.

- b) Satisfactorily completed, as a prime contractor (or as a nominated subcontractor provided further that all other qualification criteria are satisfied) similar works during last five years (i.e., during the period commencing from the year 2016-17) are satisfied.

Definition of “similar work”: The bidder should have completed any civil works – original or repair & maintenance or renovation etc., under a single order in the preceding 5 years, reckoned from the due date of submission of the bid.

- B a) Each bidder must upload the scanned copies of following documents along with the Submission of online bidding:
- i) An affidavit on a Stamp Paper, duly attested from the Notary Public, that the information furnished with the bid documents is correct in all respects; and
 - ii) Such other certificates as defined in Section-III.

Failure to submit the certificates/documents as specified above shall make the bid non- responsive.

- b) Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:
 - i) Made misleading or false representations in the forms, statements, affidavits and attachments submitted in proof of the qualification requirements; and/or
 - ii) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc. or debarring from MoRTH/ NHIDCL/ NHAI/ MoPSW/CPWD other Government works etc.
 - iii) Tampered the bid document in any manner.

- 4.2 Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under:

Assessed Available Bid capacity = (A x N x 2 - B)

where

A = Maximum value of civil engineering works executed in any one year during the last five years (updated to price level of the year indicated in Appendix) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which bids are invited.

B = Value (updated to the price level of the year indicated in Appendix-I) of existing commitments and on-going works to be completed during the next six (6) months (period of completion of the works for which bids are invited)

Note: The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be counter-signed by the Engineer-in-charge of the respective work, not below the rank of an Executive Engineer or equivalent.

4.3 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and / or
- Participated in the previous bidding for the same work and had quoted unreasonably high bid prices and could not furnish rational justification to the Employer.

5. One Bid per Bidder

Each Bidder shall submit only one Bid for each package. A Bidder who submits more than one Bid for the same work, will be disqualified. The Bidder can, however, submit bids for more than one package, if any, if meeting the qualifying criteria.

6. Cost of Bidding

The Bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will, in no case, be responsible or liable for those costs.

7. Site Visit

- a) The Bidder, at the Bidder's own responsibility and risk, is encouraged to visit, examine and familiarize himself with the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
- b) Contractor has to obtain all kind of permits, and all kinds of Permissions from Concerned Authorities related with the execution of work. The costs of visiting the Site shall be at the Bidder's own expense. Further, Water Supply arrangement, Electric Supply arrangement etc. for executing the works, has to be made by the bidder.

B. Documents

8. Content of Bidding Documents

The set of bidding documents comprises the documents listed below and Corrigendum (if any) issued.

Volume-I:

1. Notice Inviting Tender
2. Instructions to Bidders & Appendix to Bid
3. Qualification Information
4. Forms of Bank Guarantee, Agreement & LOA
5. Conditions of Contract & Contract Data
6. Scope of Work
7. Technical Specifications
8. Any other document listed in the Contract Data.

Volume-II:

9. Bill of Quantities (should be filed in the prescribed format uploaded on e-portal)

The bidder is expected to examine carefully all instructions, conditions of contract, contract data, forms, terms, specifications, bill of quantities, etc. in the Bid Document. Failure to comply with the requirements of Bid Documents shall be at the bidder's own risk.

Bids, which are not substantially responsive to the requirements of the Bid Documents, shall be rejected.

9. Clarifications on Bid Documents

9.1 A prospective Bidder requiring any clarification on the bid documents may notify the Employer in writing or through e-mail at the Employer's address within the time frame indicated in the Notice Inviting Tender. The Employer will respond to any request for clarification within the time frame indicated in the Notice Inviting Tender. Copies of the Employer's response will be hosted on website or which are required in the opinion of the Employer, including a description of the enquiry, but without identifying its source.

9.2 Pre-bid meeting (applicable only if so indicated in the NIT)

9.2.1 Pre-BID conference of the Bidders shall be convened at the designated date, time and place. A maximum of two representatives of prospective Bidders shall be allowed to participate on production of authority letter from the Bidder.

9.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

9.2.3 `During the course of Pre-Bid conference(s), the Bidders will be free to seek clarifications and make suggestions for consideration of the Authority. The Authority shall endeavour to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent and competitive Bidding Process.

9.2.4 `Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and responses given will be transmitted without delay to all purchasers of the bidding documents. Any modification of the bidding documents listed in clause 8 which may become necessary as a result of pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 10 and not through the minutes of the pre-bid meeting.

9.2.5 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

10. Amendment of Bidding Documents

10.1 Before the deadline for submission of bids, the Employer may modify the Bidding Documents by issuing addenda.

10.2 Any addendum thus issued shall be part of the Bidding Documents and shall be hosted on NHIDCL website and e-tendering portal. Bidders are advised to keep them-self updated of all the addendums issued on e-tendering portal by daily checking the e-tendering portal and, NHIDCL does not assume any responsibility in

case the bidder fails to do so and does not take any action, if required, with respect any relevant addendum.

C. Preparation of Bids

11. Language of Bid

All documents relating to the Bid shall be in English.

12. Documents Comprising the Bid

The e-bid submitted by the bidder shall be in two separate parts.

Part-I: This shall be named Technical Bid and shall comprise of information submitted in Section-III.

Part-II: It shall be named Financial Bid and shall comprise of Priced Bill of Quantities (The financial bid shall be submitted online only).

Documents to be submitted in physical form must reach the NHIDCL by 11:00 Hrs on Bid Due Date.

Though, the scanned copies of following documents is required to be uploaded during submission of e-bid on the e-tendering portal of NHIDCL, as per clause 12 above, however, following original documents in physical form shall be submitted in a sealed envelope by 11:00 Hrs on the date of submission of bid and addressed to the addressee given in the NIT duly super scribed "Name of Work, Contract number, Bid due date and time". Name and address of the bidder should also be indicated on the envelope.

- a) Copy of Acknowledgement for Tender Submission and EMD/Bid Security/Bid Securing Declaration
- b) Bid Document Fee (Cost of Bid Document)
- c) Written Power of Attorney of the signatory (whose digital signature certificate is used during e-tender submission) of the bidder to commit the bid
- d) Affidavit duly notarized (as per the format provided in Section-III)
- e) Original experience certificate or Notarized copy of certificate duly signed by authorized signatory.
- f) Undertakings mentioned in Section-III (Qualification Information) of this document (duly notarized).

The following documents, which are not submitted with the bid, will be deemed to be part of the bid.

Section	Particulars
1	Notice Inviting Tender
2	Instruction to the bidders
3	Conditions of Contract
4	Contract Data
5	Scope of work (BoQ)
6	Technical Specifications

13. Bid Prices

- 13.1 The Contract shall be for the whole Works, as described in Clause 1.1 based on the priced Bill of Quantities submitted by the Bidder.
- 13.2 The bidder shall quote bid prices on appropriate format enclosed as part of tender document on e-tender portal of NHIDCL. The items for which no rate or price is entered by the Bidder will be required to be executed free of cost and shall be deemed covered under the other rates and prices in the Bill of Quantities quoted.
- 13.3 The Price quoted by the Bidder shall be considered inclusive of all taxes including GST.
- 13.4 The rates and prices quoted by the Bidder shall be fixed for the duration of the Contract and shall not be subject to adjustment. Extra cost towards escalation shall be payable as per clause 10CC of GCC, if applicable.

14. Currencies of Bid and Payment

The unit rates and the prices shall be quoted by the bidder entirely in Indian Rupees. All payments shall be made in Indian Rupees.

15. Bid Validity

- 15.1 Bids shall remain valid for a period of 120 days after the deadline date for bid submission specified in Clause 20 herein-under. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.
- 15.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his bid security for a period of the extension, and in compliance with Clause 16 herein-under in all respects.

16. Bid Security

- 16.1 The Bidder has to sign a Bid Securing Declaration accepting that if the bidder withdraw or modify its bid during the period of validity from the bid due date or if the bidder is awarded the contract and fail to sign the contract or to submit a performance security before the deadline defined in the request of the bid documents, the bidder will be debarred for participation in the tendering process for the works of NHIDCL and works under other Centrally Sponsored Scheme, for a period of one year from the bid due date of this work. The Bid Securing Declaration shall be submitted as per the format at Appendix-II (Format for Bid Securing Declaration). A scanned copy of the Bid Securing Declaration shall be uploaded while submitting the e-tender.
- 16.2 Any BID not accompanied by the Bid Securing Declaration shall be summarily rejected by the Authority as non-responsive.
- 16.3 The Bidder, by submitting its BID pursuant to this RFP, shall be deemed to have acknowledged and confirmed that the Authority will suffer loss and damage on account of withdrawal of its BID or for any other default by the Bidder during the period of BID validity as specified in this RFP. The Authority shall be entitled to debar

the Bidder from participating in the future projects of NHIDCL, for a period of one year in such defaults. No relaxation of any kind for Bid Securing Declaration shall be given to any Bidder.

17. Alternative Proposals by Bidders

Bidder shall submit offers that fully comply with the requirement of the Bidding Documents. Conditional offer or alternate offer will not be considered further in the process of evaluation and the bid will be declared non-responsive.

18. Format and Signing of Bid

18.1 The Bidder shall submit e-bid comprising of the documents as described in Clause 12 of the ITB.

18.2 The documents to be submitted in the physical form alongwith the Bid Securing Declaration shall be typed or written in ink and shall be signed by a person duly authorized to sign on behalf of the bidder. All the pages of the documents as mentioned here shall be signed by the person/persons signing the bid. Documents as mentioned here shall contain no overwriting, alterations or additions, except those to comply with instructions, issued by the employer or as necessary to correct errors made by the bidder, in which case such corrections shall be made by scoring out the cancelled portion, writing the correction and signing and dating it alongwith the stamp by the person or persons signing the Bid.

Further, the bids submitted in Physical Form must be hard bound and page numbered.

D. Submission of Bids

19. Marking of Bids

The documents to be submitted in physical form as per clause 12 of ITB shall be submitted in a sealed Envelope super-scribed as "Documents in Physical Form" at the top left corner. In case of any discrepancy between documents submitted online and documents submitted in the physical form, the documents submitted in Online form shall prevail over the documents submitted in Physical form.

20. Deadline for Submission of Bids

20.1 The Bidder shall ensure that the complete e-Bid is uploaded on NHIDCL e-tender portal on or before the Bid Due Date before the time specified in NIT/e-portal "NHIDCL e-procure portal is to be used through computer having Window Operating System only". The Bidder is further required to submit Documents in Physical Form on or before the Bid Due Date and before the time of submission as specified in Clause 12 of ITB, at the following address: -

Rajendra Singh

Dy. General Manager (Technical)

National Highways & Infrastructure Development Corporation Ltd

PTI Building, 3rd Floor, 4, Parliament Street,

New Delhi-110001

Ph. 011-23461616

Email: gm.infra@nhidcl.com

- 20.2 In the event of the specified date for the submission of documents in Physical form being declared a holiday for the Employer, the same will be received up to the specified time on the next working day.
- 20.3. NHIDCL assumes no responsibility for inability of a bidder to submit bids through NHIDCL's e-tendering portal on account of delay in submission at bidder's end. Bidder shall ensure that they submit the bid well before the "Due Date & Time of Bid-Submission". NHIDCL shall not be responsible if bidder is not able to submit the bid on account of failure in network/internet connection or any other technical reason.
- 20.4 The Employer may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 10, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will then be subject to the new deadline.

21. Late Submission of Document in Physical Form:

Any document in physical form if received by the Employer after the deadline prescribed in Clause 20 will be returned unopened to the Bidder and also the e-bid submitted by such bidder shall not be considered.

22. Modification and Withdrawal of Bids

- 22.1 Bidders may modify or withdraw their e-bids as directed on the e-tendering portal, before the Bid Due Date and time as prescribed in Clause 20.
- 22.2 No bid may be modified after the deadline for online submission of bids.
- 22.3 Withdrawal or modification of a Bid between the deadline for submission of bids and the expiration of the original period of bid validity specified in Clause 15.1 above or as extended pursuant to Clause 15.2 shall entail action as per the undertaking given in the Bid Securing Declaration submitted by the bidder pursuant to Clause 16.
- 22.4 Bidders may modify the prices of their bids before deadline of online submission of bid.
- 22.5 No Late and delayed bids after Bid Due date/time shall be permitted in e-tendering portal System. Time being displayed on NHIDCL's e-Tendering Portal shall be final and binding on bidder and bids have to be submitted by bidders considering this time only and not the time as per their location/country.

E. Bid Opening and Evaluation

23. Bid Opening

- 23.1 Bid opening shall be carried out in two stages. Firstly, 'Technical Bid' of all the bids received (except those received late) shall be opened on the date and time mentioned in Notice Inviting Tender (NIT). 'Financial Bid' of those bidders whose technical bid has been determined to be substantially responsive shall be opened on a subsequent date through online process of e-tendering, which will be notified to such bidders.
- 23.2 The Employer will open the "Technical Bid" of all the bids received (except those received late), in the presence of the bidders/bidders' representatives who choose to attend at the time, date and place specified in the NIT. In the event of the specified

date for the submission of bids being declared a holiday for the Employer, the Bids will be opened at the appointed time and location on the next working day.

- 23.3 In all cases, the details of Bid Security, forms and validity shall be announced. Thereafter, the Employer at the opening as the Employer may consider appropriate, will announce the bidders' names and such other details.
- 23.4 The Employer will prepare Minutes of the Bid opening, including the information disclosed to those present.
- i) The bids accompanied with valid Bid Securing Declaration, bid document fee, Tender Processing fee etc. will be taken up for evaluation with respect to the information Furnished in Part-I of the Qualification Information and other bid.
 - (ii) As soon as possible, the Evaluation Committee will finalize the list of responsive bidders whose financial bids are eligible for consideration. However, to assist in the examination, evaluation of technical bids, the Employer may at his discretion, ask any bidder for clarification of his bid, however, no additional documents in support of clarification will be entertained.
- 23.5 The Employer shall inform the bidders, whose technical bids are found responsive, of the date, time and place of opening of the financial bids. The bidders so informed, or their representative, may attend the meeting of opening of financial bids.
- 23.6 At the time of the opening of the 'Financial Bid', the names of the bidders whose bids were found responsive will be announced. The financial bids of only these bidders will be opened. The responsive bidders' names, the Bid prices, the total amount of each bid, and such other details as the Employer may consider appropriate will be announced by the Employer at the time of bid opening. Any Bid price, which is not read out and recorded, will not be taken into account in Bid Evaluation.
- 23.7 The Employer shall prepare the Minutes of the opening of the Financial Bids.

24. Process to be Confidential

Information relating to the examination, clarification, evaluation, and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process until the award to the successful Bidder has been announced. Any attempt by a Bidder to influence the Employer's processing of bids or award decisions may result in the rejection of his Bid.

25. Clarification of Bids and Contacting the Employer

- 25.1 To assist in the examination, evaluation, and comparison of Bids, the Employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Bid shall be sought, offered, or permitted.
- 25.2 No Bidder shall contact the Employer on any matter relating to his bid from the time of the bid opening to the time the contract is awarded.
- 25.3 Any effort by the Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidders' bid.

26. Examination of Bids and Determination of Responsiveness

- 26.1 During the detailed evaluation of “Technical Bids”, the Employer will determine whether each Bid
- a) meets the eligibility criteria defined in Clauses 3 and 4 of ITB;
 - b) the required documents in physical form submitted by the bidder as well as the documents uploaded by the bidder are in order; and
 - c) is substantially responsive to the requirements of the Bidding Documents. During the detailed evaluation of the “Financial Bids”, the responsiveness of the bids will be further determined with respect to the remaining bid conditions, i.e., priced bill of quantities, technical specifications etc.

27. Evaluation and Comparison of Financial Bids

- 27.1 The Employer will evaluate and compare only the bids determined to be substantially responsive in accordance with Clause 26.
- 27.2 If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer’s/Employer’s estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 32 herein-under be increased and an additional performance security of 05 (five) percent may be obtained at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.
- 27.3 A bid, which contains several items in the Bill of Quantities which are unrealistically priced low and which cannot be substantiated satisfactorily by the bidder, may be rejected as non-responsive.

28. Price Preference

There will be no price preference to any bidder.

F. Award of Contract

29. The Employer will award the Contract to the Bidder whose Bid has been determined to be substantially responsive to the bidding documents and who has offered the Lowest Bid Price, provided that such Bidder has been determined to be:
- a) Eligible in accordance with the provisions of Clause 3, and
 - b) Qualified in accordance with the provisions of Clause 4

30. Employer’s Right to Accept any Bid and to Reject any or all Bids

Notwithstanding Clause 29, the Employer reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Employer’s action.

31. Notification of Award and Signing of Agreement

- 31.1 The bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the Part-I General Conditions of Contract called the "Letter of Acceptance") will state the sum that the Employer will pay to the Contractor in consideration of the execution, completion and maintenance of the Works, by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the Contract Price").
- 31.2 The notification of award (LOA) will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 32 herein under.
- 31.3 The Agreement will incorporate all agreements between the Employer and the successful Bidder. It will be signed by the Employer and the successful Bidder after the performance security is furnished.
- 31.4 Upon furnishing by the successful Bidder of the Performance Security, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful.

32. Performance Security

- 32.1 Within 10 (ten) days after receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security of 3% (Three percent) of the Contract Price, valid for the period of 60 days after the expiry of defect liability period of 12 (twelve) months plus additional security for unbalanced Bids, valid till completion of the work.
- 32.2 The performance security shall be in the form of a Bank Guarantee in the name of the Employer, from a Bank as applicable in case of bid security defined in Appendix to ITB.
- 32.3 Failure of the successful bidder to comply with the requirement of sub-clause 32.1 shall constitute sufficient ground for cancellation of the award and forfeiture of the bid security, if any, including debarment of bidder's participation in the future tenders of the Employer for a period of one (1) year.
- 32.4 The successful bidder to whom 'LOA' has been issued is required to sign the agreement at Employer's Office within 15 days of issue of LOA.

33. Advance Payment - Applicable as per RFP

34. Corrupt or Fraudulent Practices

- 34.1 The Employer will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question and will declare the firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract with National Highways & Infrastructure Development Corporation Ltd./MoRTH/NHAI/MoPSW/CPWD and any other agencies, if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for the contractor, or in execution.
- 34.2 The Employer requires the bidders/Contractors to strictly observe the laws against fraud and corruption enforced in India, namely, Prevention of Corruption Act, 1988.

35. Warranty and Support

The Warranty, wherever applicable, shall be:

1. On-site, comprehensive and back-to-back from OEM for a period of 6 months from the date of acceptance/installation of products or as recorded in MB.
2. Advanced replacement of hardware
3. Software updates and upgrades at no cost to MoRTH/NHIDCL/CCSCSB.
4. L2 support from OEM
5. On-site support from bidder for day-to-day operational issues as and when arises.

Appendix-I to ITB

The Employer should fill out this Appendix to ITB before issuing the bidding documents. The insertions should correspond to the information provided in the Invitation for Bids.

Instructions to Bidders:

Clause Ref [1.1]

The Employer is "Managing Director, National Highways & Infrastructure Development Corporation Ltd., PTI Building, 3rd Floor, 4, Parliament Street, New Delhi – 110001

Clause Ref [4.2]

Price Level updating factors:

Sl. No.	Year No.	Up-dation factor	Financial Year
1	Year 1	1.00	FY 2020-21
2	Year 2	1.05	FY 2019-20
3	Year 3	1.10	FY 2018-19
4	Year 4	1.15	FY 2017-18
5	Year 5	1.20	FY 2016-17

Clause Ref [16]

Bid Securing Declaration shall be submitted as per form given at Appendix-II to ITB

Clause Ref [32]

Performance Security: Three percent (3%) of the Contract Price issued by any the following banks.

- State Bank of India or its subsidiaries
- Any Indian nationalized bank
- IDBI/ICICI bank
- Deleted.
- Export Import bank of India.
- Any RBI approved scheduled commercial bank having net worth of more than Rs. 1000 Crore as per latest Annual Report of the bank. In the case of a Foreign Bank (issued by a branch in India), the net worth in respect of the Indian operation shall only be taken into account and acceptable to Employer. The list of such banks is mentioned below. The Authority reserves the right to add or remove any of names bank on which BG shall be accepted based on advisories from the Govt./RBI. The BGs issued by 'Foreign Banks' and Banks not mentioned in the given list shall not be accepted.

List of Scheduled Public Sector Banks	List of Private Sector Banks	List of Scheduled Small finance Banks
1.Bank of Baroda	1.Axis Bank Ltd.	1.Au Small Finance Bank Ltd.
2.Bank of India	2.Bandhan Bank Ltd.	2.Equitas Small Finance Bank Ltd
3.Bank of Maharashtra	3.CSB Bank Ltd.	3.Suryoday Small Finance Bank Ltd.
4.Canara Bank	4.City Union Bank Ltd.	4.Ujjivan Small Finance Bank Ltd
5.Central Bank of India	5.DCB Bank Ltd.	5.Utkarsh Small Finance Bank Ltd.
6.Indian Bank	6.Federal Bank Ltd.	6.ESAF Small Finance Bank Ltd.
7.Indian Overseas Bank	7. HDFC Bank Ltd.	7.Jana Small Finance Bank Ltd.
8.Punjab National Bank	8. ICICI Bank Ltd.	
9.Punjab & Sind Bank	9. IndusInd Bank Ltd.	
10.State Bank of India	10.IDFC First Bank Ltd.	
11.UCO Bank	11.Jammu & Kashmir Bank Ltd.	
12.Union Bank of India	12.Karnataka Bank Ltd.	

	13.Karur Vysya Bank Ltd.	
	14.Kotak Mahindra Bank Ltd.	
	15. RBL Bank Ltd.	
	16. South Indian Bank Ltd.	
	17. Tamilnadu Mercantile Bank Ltd.	
	18. IDBI Bank Ltd.	
	19. Yes Bank Ltd.	

The acceptance of the Guarantee shall also be subject to the following conditions:

- i. The capital adequacy of the Bank shall not be less than the norms prescribed by RBI.
- ii. Deleted.

Appendix-II to ITB

Bid Securing Declaration

(Refer Clauses 16)

I hereby submit a declaration that the bid submitted by the undersigned, on behalf of the bidder, [Name of the bidder], either sole or in JV, shall not be withdrawn or modified during the period of validity.

I, on behalf of the bidder, [Name of the bidder], also accept the fact that in case the bid is withdrawn or modified during the period of its validity or if we fail to sign the contract in case the work is awarded to us or we fail to submit a performance security before the deadline defined in clause 32 of the ITB, then [Name of the bidder] will be debarred for participation in the tendering process for the works of NHIDCL and works under other Centrally Sponsored Schemes, for a period of one year from the bid due date of this work.

(Signature of the Authorised Signatory)

(Official-Seal)

SECTION – III

QUALIFICATION INFORMATION

(To be filled by Bidder)

The information to be filled in by the Bidder in this section & document submitted in physical form will be used for the purposes of post-qualification as provided for in Clause 4, Section II of the “Instructions to Bidders”. This information will not be incorporated in the Contract.

LETTER OF TRANSMITTAL

(to be taken on the letter head of the bidder)

Ref:

Date:

To

Managing Director, NHIDCL
National Highway & Infrastructure Development Corporation Ltd.
PTI Building, 3rd Floor, Parliament Street
New Delhi-110001

Subject: Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi

Sir,

Having examined the details given in Press-Notice and bid document for the above work, I / we hereby submit the relevant information.

- 1) I / We hereby certify that all the statements made and information supplied in the enclosed forms A to H and accompanying statement are true and correct.
- 2) I / We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
- 3) The proposal is unconditional and unqualified. We undersigned accept that NHIDCL reserves the right to reject any or all application without assigning any reason.
- 4) I / We submit the requisite certified solvency certificate and authorize the General Manager (T), NHIDCL, to approach the Bank issuing the solvency certificate to confirm the correctness thereof, I/we also authorize General Manager (T), NHIDCL, to approach individuals, employers, firms and corporation to verify our competence and general reputation.
- 5) I / We propose the following works in support of our suitability, technical know-how and capability for having successfully completed the similar works. These works shall be considered for evaluation of our technical suitability.

Sl. No.	Name of Work	Name of Owner	Value of the Work	Date of Start	Date of Completion
1					
2					
3					

The work orders & completion certificates of the above works are enclosed.

Enclosures:

Signature of bidder [s]

Seal of bidder

Date of submission

FORM “A”
Financial Information

- 1) Financial Analysis – Details to be furnished duly supported by figures in balance sheet / profit & loss Account for the last five years duly certified by the Chartered Accountant, as submitted by the bidder to the Income Tax Department [Copies to be attached].

Particulars	Financial Year				
	2016-17	2017-18	2018-19	2019-20	2020-21
i. Gross Annual Turnover on Construction works					
ii. Profit/ Loss (please specify)					

- 2) Financial arrangements for carrying out the proposed work.
- 3) Solvency Certificate from Bankers of bidder in the prescribed “Form B”.

Signature of Chartered Accountant/Statutory Auditor with seal
Postal Address of Chartered Accountant/Statutory Auditor

Signature of Bidder [s]

FORM "B"
FORM OF BANKERS' CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that M/s. / Shri. _____ having marginally noted address, a customer of our bank are / is respectable and can be treated as good for any engagement up to a limit of Rs. _____ [Rupees _____] only.

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

[Signature] For the Bank

NOTE

- 1) Bankers' certificates should be on letter-head of the Bank, sealed in cover addressed to tendering authority.
- 2) In case of partnership firm, certificate should include name of all partners as recorded with the Bank.

FORM "C"**DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST FIVE YEARS ENDING LAST DAY OF SUBMISSION OF TENDER**

Sl. No.	Name of Work/project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/ arbitration cases pending/ in progress with details*	Name and address/ telephone number of officers to whom reference may be made	Remark
1	2	3	4	5	6	7	8	9	10

Indicate gross amount claimed and amount awarded by the Arbitrator

Signature of Bidder(s)

FORM "D"
DETAILS OF WORKS UNDER EXECUTION OR AWARDED ON LAST DAY OF SUBMISSION OF TENDER

Sl. No.	Name of Work/project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Upto date percentage progress of work	Slow Progress if any and reasons thereof	Name and address/ telephone number of officers to whom reference may be made	Remark
1	2	3	4	5	6	7	8	9	10

Certified that the above list of works is complete and no work has been left out and that the information given is correct to my knowledge and belief.

Signature of Bidder(s)

FORM “E”
PERFROMA REPORT OF WORKS REFERRED TO IN FORM “C” & “D

1) Name of work/Scope	:	
2) Agreement No.	:	
3) Estimated cost	:	
4) Tendered cost	:	
5) Date of start	:	
6) Date of completion	:	
7) Stipulated date of completion	:	
8) Actual date of completion	:	
9) Amount of compensation levied for delayed completion if any	:	
10) Amount of reduced rate items, if any	:	
11) Performance Report		
a) Quality of work	:	Outstanding/ Very good/ Good/ Poor
b) Financial Soundness	:	Outstanding/ Very good/ Good/ Poor
c) Technical Proficiency	:	Outstanding/ Very good/ Good/ Poor
d) Resourcefulness	:	Outstanding/ Very good/ Good/ Poor
e) General behaviour	:	Outstanding/ Very good/ Good/ Poor

Executive Engineer or Equivalent of Client

Dated:

Note: Performance Certificate from Consultant will not be considered. The Performance Certificate should be directly from Client/Owner from whom the work has been executed

FORM “F”
STRUCTURE & ORGANIZATION

1) Name & Address of the applicant :	
2) Telephone No., mobile no, Fax No., E-mail ID of the applicant. :	
3) Legal Status of the applicant [attach copies of the original document defining the legal status]	
a) An individual :	
b) A proprietary firm :	
c) A firm in partnership :	
d) A limited company or corporation :	
4) Particulars of Registration with various Govt. Bodies [attach attested Photocopy]. :	
<u>Organization / Place of Registration / Registration No.</u>	
a)	
b)	
5) Names and Titles of Directors & Officers with Designation to be concerned with this work. :	
6) Designation of individuals authorized to act for the Applicant :	
7) Was the applicant ever required to suspend construction for a period of more than six months continuously after you commenced the construction? If so, give the name of the project and reasons of suspension of work. :	
8) Has the applicant, or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons of abandonment. :	
9) Has the applicant, or any constituent partner in case of partnership firm, ever been debarred/black listed for tendering in any organization at any time? If so, give details. :	
10) Has the applicant, or any constituent partner in case of partnership firm, ever been convicted by a court of law? If so, give details.	

11) In which field of Civil Engineering construction the applicant has specialization and interest ?	
12) Registration certificates like WCT, TIN, PAN, GST, ESIC, etc.	
13) Any other information considered necessary not included above	

Sr No. 1 & 2 will be used for formal communication to the vendor (including e-mail ID)

Signature of Applicant (s)

FORM "G"
DETAILS OF TECHNICAL & ADMINISTRATIVE PERSONNEL TO BE EMPLOYED FOR THE WORK

Sl. No.	Designation	Total Number	Number available for this work	Name	Qualifications	Professional Experience and details of work carried out	How these would be involved in this work	Remarks
1	2	3	4	5	6	7	8	9

Signature of Bidder(s)

FORM "H"
INFORMATION ON LITIGATION HISTORY IN WHICH THE BIDDER IS INVOLVED

Other Party(ies)	Employer	Cause of Dispute	Amount Involved	Remarks showing Present Status
1	2	3	4	5

Signature of Bidder(s)

Note:

Bidders should upload the scanned copy of the following affidavits/ undertakings as per formats enclosed hereinafter & also send original copy of Affidavit/Undertakings:

- i) Affidavit (it should be on stamp paper attested by Notary Public) as per Appendix-A
- ii) Undertaking that the Bids shall remain valid for the period specified in Clause 15.1 (it should be on stamp paper attested by Notary Public) as per Appendix-B.

Appendix-A
AFFIDAVIT
(on Non-Judicial Stamp Paper)

1. I, the undersigned, do hereby certify that all the statements made in the enclosed attachments are true and correct.
2. The undersigned also hereby certifies that neither our firms M/s. _____ have abandoned any work on National Highways & Infrastructure Development Corporation Ltd nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.
3. The undersigned hereby authorize(s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by NHIDCL to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the NHIDCL and within the prescribed time.

(Signed by the Authorized Representative of the Firm)
Name of the Representative
Name of Firm

(To be notarized by Notary)

Date _____

Appendix-B
UNDERTAKING
(on Non- Judicial Stamp Paper)

I, the undersigned do hereby undertake that

1. Our firm M/s. _____ agree to abide by this bid for a period of 120 days after the date fixed for receiving the same and it shall be binding on us and may be accepted at any time before the expiration of that period.
2. We agree to abide by all the terms and conditions of the bid unconditionally, including but not limited to the amount quoted for the execution of Contract, as stated in the bid, and also to comply with such terms and conditions as may be required by NHIDCL from time to time.

(Signed by the Authorized Representative of the Firm)
Name of the Representative
Name of Firm

(To be notarized by Notary)

Date _____

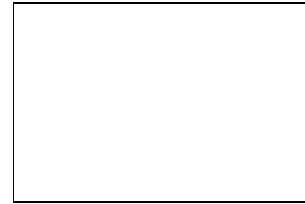
Appendix-C

Format of Curriculum Vitae (CV) for existing staff

Proposed Position: _____

Name of firm: _____

Name of staff: _____



Photograph

Profession: _____

Date of Birth: _____

Years with Firm: _____

Nationality: _____

Membership of professional societies: _____

Detailed tasks assigned: _____

Key Qualifications:

(Give an outline of staff member's experience and training most pertinent to tasks on assignment. Describe degree of responsibility held by staff member on relevant previous assignments and give dates and locations. Use up to half a page).

Education:

(Summarize college/university and other specialized education of staff member, giving names of the institutes, dates attended and degrees obtained. Use up to a quarter pages).

Employment Record:

(Starting with present position, list in reversed order, every employment held. List all positions held by staff member since graduation, giving dates, names of employing organization, title of positions held and location of assignments.

Present assignment: _____

Expected date of completion of present assignment, if applicable: _____

Languages:

(Indicate proficiency in speaking, reading and writing of each language by "excellent" "good", "fair" or "poor")

Certification:

I, undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications and my experience.

Date

(Signature of the staff member & authorized representative of the firm)

SECTION-IV

GENERAL CONDITIONS OF CONTRACT & CLAUSES OF
CONTRACT, FORMS OF BANK GUARANTEES, INTEGRITY
PACT AND OTHER APPENDICES

**GENERAL CONDITIONS OF CONTRACT
AND
CLAUSES OF CONTRACT**

ITEM RATE TENDER & CONTRACT FOR WORK

Tender for the work of: **Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi" on Item Rate basis**

- (i) To be uploaded online by **11:00** hours on **29/11/2021** at NHIDCL e-tender portal.
- (ii) To be opened online in the presence of tenderers who may be present at **11:30** hours on **30/11/2021** online/in the office of General Manager (Technical), NHIDCL.

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India through National Highways & Infrastructure Development Corporation Limited, New Delhi represented by Managing Director within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of Contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for 120 days from the due date of its opening and not to make any modification in its terms and conditions.

A **Bid Securing Declaration** is hereby forwarded accepting that if I/We withdraw or modify its bid during the period of validity from the bid due date or if I/We am/are awarded the contract and fail to sign the contract or to submit a performance security before the deadline defined in the request of the bid documents, I/We will be debarred for participation in the tendering process for the works of NHIDCL and works under other Centrally Sponsored Scheme, for a period of one year from the bid due date of this work.

A copy of Bid Securing Declaration is scanned and uploaded. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the NHIDCL shall without prejudice to any other right or remedy, be at liberty to take actions as per my/our Bid Securing Declaration. Further, if I/We fail to commence work as specified, I/ We agree that NHIDCL shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in NHIDCL in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety & integrity of the State.

Dated
Witness:
Address:
Occupation:

Signature of Contractor
Postal Address

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of NHIDCL for a sum of Rs. _____ (Rupees _____).

The letters referred to below shall form part of this contract agreement:

- (a)
- (b)
- (c)

Signature
Designation

Dated:

-XXXXX-

GENERAL RULES AND DIRECTIONS

1. All work proposed for execution by contract will be notified in a form of invitation to tender pasted by publication in News-papers or posted on website as the case may be. This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money, if any, to be deposited with the tender, and the amount of the security deposit and Performance guarantee to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. Copies of the specifications, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.
2. In the event of tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act 1952.
3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.
4. The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paisa and considering more than fifty paisa as rupee one.

In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more contractors is same, then such lowest contractors may be asked to submit sealed revised offer quoting rate of each item of the schedule of quantity for all sub sections/sub heads as the case may be, but the revised quoted rate of each item of schedule of quantity for all sub sections/sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer.

If the revised tendered amount (worked out on the basis of quoted rate of individual items) of two or more contractors received in revised offer is again found to be equal, then the lowest tender, among such contractors, shall be decided by draw of lots in the presence of Authorized Officer in-Charge of major and minor component(s) and the lowest contractors those have quoted equal amount of their tenders.

In case of any such lowest contractor in his revised offer quotes rate of any item more than their respective original rate quoted already at the time of submission of tender, then such revised offer shall be treated invalid. Such case of revised offer of the lowest contractor or case of refusal to submit revised offer by the lowest contractor shall be treated as withdrawal of his tender before acceptance and the conditions of the Bid Securing Declaration shall apply on such bidders.

In case all the lowest contractors those have same tendered amount (as a result of their quoted rate of individual items), refuse to submit revised offers, then tenders are to be recalled and the conditions of the Bid Securing Declaration shall apply on such bidders..

Bidders entailing actions in terms of the Bid Securing Declaration because of non-submission of revised offer, or quoting higher revised rate(s) of any item(s) than their respective original rate quoted already at the time of submission of his bid shall not be allowed to participate in the retendering process of the work.

5. The officer inviting tender or his duly authorized assistant, will open tenders in the presence of any intending contractors who may be present at the time.
6. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
7. In the case of Item Rate Tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the bidder in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the bidder shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the bidder or it does not correspond with the rates written either in figures or in words, then the rates quoted by the bidder in words shall be taken as correct. Where the rates quoted by the bidder in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the bidder will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the bidder has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

However, if a bidder quotes nil rates against each item in item rate tender, the tender shall be treated as invalid and will not be considered as lowest bidder and action as per Bid Securing Declaration shall entail on such bidder.

8. (i) The Contractor whose tender is accepted will be required to furnish performance guarantee of 3% (Three Percent) of the tendered amount within the period specified in Schedule-F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Nationalized/Scheduled Bank.
- (ii) The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 2.5% of the tendered value of the work. The Security deposit will be collected by deductions from the running bills as well as final bill of the contractor at the rates mentioned above. The Security amount will also be accepted in cash or in the shape of Government Securities. Fixed Deposit Receipt of a Scheduled Bank or will also be accepted for this purpose provided confirmatory advice is enclosed.
9. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-Charge shall be communicated in writing to the Engineer-in-Charge.
10. GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.

-XXXXX-

GENERAL CONDITIONS OF CONTRACT

Definitions

1. The Contract means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of the President of India through National Highways & Infrastructure Development Corporation Limited, New Delhi and the Contractor, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in- Charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another to one another.
2. In the Contract the following expressions shall, unless the context otherwise requires, have the meanings, thereby respectively assigned to them:
 - i) The expression **works or work** shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
 - ii) The **Site** shall mean the land/or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
 - iii) The **Contractor** shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
 - iv) The **President** means the President of India and his successors through National Highways & Infrastructure Development Corporation Limited, New Delhi represented by Managing Director and his successors.
 - v) The **Engineer-in-Charge (EIC)** means the Engineer / Officer as mentioned in **Schedule-F** hereunder, authorised by the Department, i.e. NHIDCL, who shall supervise and will be In-Charge of the work.
 - vi) The **NHIDCL** means National Highways & Infrastructure Development Corporation Limited, New Delhi.
 - vii) The term '**NHIDCL Engineer**' includes the Executive Director and General Managers.
 - viii) The **Accepting Authority** shall mean the authority mentioned in **Schedule-F**.
 - ix) The **Expected risk are** risks due to riots (other than those on account of contractor's employees), war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion revolution, insurrection, military or usurped power, any

acts of Government, damages from aircraft, acts of God, such as earthquake, lightening and unprecedented floods, and other causes over which the contractor has no control and accepted as such by the Accepting Authority or causes solely due to use or occupation by NHIDCL of the part of the works in respect of which a certificate of completion has been issued or a cause solely due to NHIDCL's faulty design of works

- x) **Market rate** shall be the rate as decided by Engineer-in-Charge on the basis of the cost of materials and labour at the site where the work is to be executed plus the percentage mentioned in **Schedule-F** to cover, all overheads and profits.

Provided that no extra overheads and profits shall be payable on the part(s) of work assigned to other agency(s) by the contractor as per terms of contract.

- xi) **Schedule(s)** referred to in these conditions shall mean the relevant schedule(s) annexed to the tender papers or the standard Schedule of Rates of NHIDCL mentioned in **Schedule-F** hereunder, with the amendments thereto issued up to the date of receipt of the tender.
- xii) The **Department** means NHIDCL, New Delhi or any department of MoRTH/ NHA/ MoPSW/ CPWD who invite tenders on behalf of NHIDCL as specified in **Schedule-F**.
- xiii) **Tendered Value** means the accepted value of the entire work as stipulated in the letter of award.
- xiv) **Date of commencement of work:** The date of commencement of work shall be the date of start as specified in **Schedule-F** or the first date of handing over of the site, whichever is later, in accordance with the phasing if any, as indicated in the tender document.
- xv) **GST** shall mean Goods and Service Tax - Central, State and Inter State.
- xvi) The **Consultant / Project Consultant** shall mean Consultant engaged by NHIDCL who shall carry out complete construction management services which include day to day supervision, management of overall and intermediate scheduled, weekly, monthly meetings, physical inspection, day to day approvals and certification of invoices.
 - a) Consultant shall also make independent measurement and check all quantity measured and to make calculations required for payment purpose, certifying monthly bills of the contractors and giving recommendations to NHIDCL for payments as stipulated in the contract.
 - b) Consultant shall also carry out day to day monitoring of materials procured for works by the contractors, check for their conformity to meet the contractual requirements including directing for testing the same at required intervals of time by the contractor and take actions as required in accordance with the contract regarding their acceptance on works.

- xvii) **Specifications** means the specification mentioned in **Schedule-F** and, included and / or referred to in the Tender document and any modification thereof or addition thereto as may from time to time be issued to the Contractor. **DSR** means **CPWD Delhi Schedule of Rates 2021**.
- xviii) **Month** means calendar month without regard to the number of days worked or not worked in that month.
- xix) **Week** means seven calendar days without regard to the number of hours worked or not worked in any day in that week.
- xx) **Day** means a calendar day of 24 hours (beginning and ending at 00 hrs. and 24 hrs. Respectively) irrespective of number of hours worked or not worked in that day.
- xxi) **Bill of Quantities (BOQ) or Schedule of Quantities (SOQ)** means the schedule and quantities of items, materials and rates, summaries etc. priced and completed and as finally accepted (Schedule-A).

Scope and Performances

- 3. Where the context so requires, words imparting the singular only also include the plural or vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.
- 4. Heading and Marginal notes to these General Conditions of Contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.
- 5. The contractor shall be furnished, free of cost one certified copy of the Contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this Contract.

Works to be carried out

- 6. The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The description given in the Schedule of Quantities (Schedule 'A') shall, unless otherwise stated, be held to include wastage of materials, cartage and carriage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labour(s) necessary in and for the full entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.

Sufficiency of tender

- 7. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and price quoted in the Schedule of Quantities & Rates (Schedule 'A'), which rates and price shall, except as otherwise provided, cover all his obligations under the contract and all matters and things necessary for the proper completion and maintenance of the works.

**Discrepancies
and
Adjustment
of Errors**

8. The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawings and figured dimensions in preference to scale and specific conditions in preference to General Conditions.
- 8.1 In the case of discrepancy between the Schedule of Quantities, the Specifications and /or the Drawings, the following order of preference shall be observed.
- i) Description of Schedule of Quantities / Bill of Quantities (BOQ)
 - ii) Particular Specification and Specific Condition, if any.
 - iii) Drawings
 - iv) CPWD Specifications
 - v) Indian Standard Specifications of Bureau of Indian Standards.
 - vi) Manufacturer's specifications as decided by Engineer-in-Charge
 - vii) For items not covered by any of the above, the work shall be done, as per sound Engineering practices and as directed by the Engineer-in-Charge.
- 8.2 If there are varying or conflicting provisions made in any one document forming Part of the contract, accepting Authority shall be deciding authority with regard to the intention of the document and his decision shall be final and binding on the Contractor.
- 8.3 Any error in description, quantity or rate in schedule of quantities or any omission there from shall not vitiate the contract or release the contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligation under the contract.

**Signing the
Contract**

9. The successful Tenderer/ Contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the Contract consisting of
- (i) the notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - (ii) Standard GCC Form as mentioned in Schedule-F consisting of:
 - (a) Various standard clauses with corrections up to the date stipulated in Schedule-F along with annexures thereto.
 - (b) NHIDCL Safety Code.
 - (c) Model Rules for the protection of health, sanitary arrangements for workers employed by NHIDCL or its contractors.
 - (d) NHIDCL Contractor's Labour Regulations.
 - (e) List of Acts and omissions for which fines can be imposed.
 - (iii) No payment for the work done will be made unless Contract is signed by the Contractor.

-XXXXX-

CLAUSES OF CONTRACT

CLAUSE 1

Performance Guarantee

- (i) The Contractor shall submit an irrevocable Performance Guarantee of 3% (Three percent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge up to a maximum period as specified in schedule 'F' on written request of the contractor stating the reason for delays in procuring the Performance Guarantee, to the satisfaction of the Engineer-in-Charge. This guarantee shall be in the form of Cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at Call receipt of any scheduled bank/Banker's Cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay Order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.
- (ii) The Performance Guarantee shall be initially valid up to minimum 60 days beyond the stipulated date of completion plus Defect Liability Period, and shall be submitted in the specified format at Appendix-I to Section-IV. In case the time for completion of work gets enlarged, the Contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the Contractor, without any interest. However, in case of contracts involving maintenance of building and services/any other work after construction of same building and services/other work, then 50% of Performance Guarantee shall be retained as Security Deposit. The same shall be returned year wise proportionately.
- (iii) The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which NHIDCL is entitled under the Contract (notwithstanding and/or without prejudice to any other provisions in the Contract agreement) in the event of:
 - (a) Failure by the contractor to extend the validity of the Performance Guarantee as described hereinabove, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
 - (b) Failure by the Contractor to pay NHIDCL any amount due, either as agreed by the Contractor or determined under any of the Clauses/Conditions of the agreement, within 30 days of the

service of notice to this effect by Engineer-in-Charge.

- (iv) In the event of the Contract being determined or rescinded under provision of any of the Clause/ Condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of NHIDCL.
- (v) On substantial Completion of any work which has been completed to such an extent that the intended purpose of the work is met and ready to use, then a provisional Completion Certificate shall be recorded by the Engineer-in-Charge. The provisional certificate shall have appended with a list of outstanding balance item of work that need to be completed in accordance with the provisions of the Contract.

This provisional Completion Certificate shall be recorded by the concerned Engineer-in-Charge with the approval of General Manager/ Accepting Authority, if required. After recording of the provisional Completion Certificate for the work by the competent authority, 80 % of performance guarantee shall be returned to the Contractor, without any interest.

However, in case of contracts involving Maintenance of building and services / any other work after construction of same building and services/ other work, then 40% of performance guarantee shall be returned to the Contractor, without any interest after recording the provisional Completion Certificate.

CLAUSE 1A

Recovery of Security Deposit

The person/persons whose tender(s) may be accepted (hereinafter called the Contractor) shall permit NHIDCL at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 2.5% of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 2.5% of the tendered value of the work. Such deductions will be made and held by NHIDCL by way of Security Deposit unless the Contractor has deposited the amount of Security at the rate mentioned above in cash or in the form of Government Securities or fixed deposit receipts. In case a fixed deposit receipt of any Bank is furnished by the Contractor to the NHIDCL as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the Contractor and the Contractor shall forthwith on demand furnish additional security to the NHIDCL to make good the deficit.

All compensations or the other sums of money payable by the Contractor under the terms of this Contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due to or may become due to the Contractor by NHIDCL on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the Contractor shall within 10 days make good in cash or fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks or Government Securities (if deposited for more than 12 months) endorsed in favour of NHIDCL, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit shall be collected from the running bills and the final bill of the Contractor at the rates mentioned above.

The security deposit as deducted above can be released against bank guarantee issued by a scheduled bank, on its accumulations to a minimum of Rs. 5 lac subject to the condition that amount of such bank guarantee, except last one, shall not be less than Rs. 5 lac. Provided further that the validity of bank guarantee including the one given against the earnest money shall be in conformity with provisions contained in clause 17 which shall be extended from time to time depending upon extension of Contract granted under provisions of clause 2 and clause 5.

In case of Contracts involving maintenance of building and services/any other work after construction of same building and services/other work, then 50% of Performance Guarantee shall be retained as Security Deposit. The same shall be returned year wise proportionately.

Note-1: Government papers tendered as security will be taken at 5% (five per cent) below its market price or at its face value, whichever is less. The market price of Government paper would be ascertained by NHIDCL at the time of collection of interest and the amount of interest to the extent of deficiency in value of the Government paper will be withheld if necessary.

Note-2: Government Securities will include all forms of Securities mentioned in Rule No. 274 of the G.F. Rules except fidelity bond. This will be subject to the observance of the condition mentioned under the rule against each form of security.

Note-3: Note 1 & 2 above shall be applicable for both clause 1 and 1A.

CLAUSE 2

Compensation for Delay

If the contractor fails to maintain the required progress in terms of clause 5 or to complete the work and clear the site on or before the Contract or justified extended date of completion as per clause 5 (excluding any extension under Clause 5.5) as well as any extension granted under clauses 12 and 15, he shall, without prejudice to any other right or remedy available under the law to NHIDCL on account of such breach, pay as compensation the amount calculated at the rates stipulated below, as the authority specified in Schedule-F may decide, on the amount of Tendered Value of the work for every completed day/month (as determined) that the progress remains below that specified in Clause 5 or that the work remains incomplete.

(i) Compensation for delay of work: With maximum rate @ 1% (one percent) per month of delay to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of Contractor.

Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% (ten percent) of the Tendered Value of work or of the Tendered Value of the Sectional part of work as mentioned in Schedule-F for which a separate period of completion is originally given.

In case no compensation has been decided by the authority in Schedule-F during the progress of work, this shall be no waiver of right to levy compensation by the said authority if the work remains incomplete on final justified extended date of completion. If the Engineer-in-Charge decides to give further extension of time allowing performance of work beyond the justified extended date, the Contractor shall be liable to pay compensation

for such extended period. If any variation in amount of Contract takes place during such extended period beyond justified extended date and the Contractor becomes entitled to additional time under clause 12, the net period for such variation shall be accounted for while deciding the period for levy of compensation. However, during such further extended period beyond the justified extended period, if any delay occurs by events under sub clause 5.2, the Contractor shall be liable to pay compensation for such delay.

Provided that compensation during the progress of work before the justified extended date of completion for delay under this clause shall be for non-achievement of sectional completion or part handing over of work on stipulated/justified extended date for such part work or if delay affects any other works/services. This is without prejudice to right of action by the Engineer-in-Charge under clause 3 for delay in performance and claim of compensation under that clause.

In case action under clause 2 has not been finalized and the work has been determined under clause 3, the right of action under this clause shall remain post determination of Contract but levy of compensation shall be for days the progress is behind the schedule on date of determination, as assessed by the authority in Schedule-F, after due consideration of justified extension. The compensation for delay, if not decided before the determination of Contract, shall be decided after of determination of Contract.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with NHIDCL. In case, the Contractor does not achieve a particular milestone mentioned in Schedule-F, or the re-scheduled milestone(s) in terms of Clause 5.4, the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied as above. With-holding of this amount on failure to achieve a milestone, shall be automatic without any notice to the Contractor. However, if the Contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the Contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However, no interest, whatsoever, shall be payable on such withheld amount.

CLAUSE 3

**When Contract
can be
Determined**

Subject to other provisions contained in this clause, the Engineer-in-Charge may, without prejudice to its any other rights or remedy against the Contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this Contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the Contract in any of the following cases:

- (i) If the Contractor having been given by the Engineer-in-Charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or un-workman like manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
- (ii) If the Contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with

due diligence and continues to do so after a notice in writing of seven days from the Engineer-in-Charge.

- (iii) If the Contractor fails to complete the work or section of work with individual date of completion on or before the stipulated or justified extended date, on or before such date of completion; and the Engineer-in-Charge without any prejudice to any other right or remedy under any other provision in the Contract has given further reasonable time in a notice given in writing in that behalf as either mutually agreed or in absence of such mutual agreement by his own assessment making such time essence of Contract and in the opinion of Engineer-in-Charge the Contractor will be unable to complete the same or does not complete the same within the period specified.
- (iv) If the Contractor persistently neglects to carry out his obligations under the Contract and/ or commits default in complying with any of the terms and conditions of the Contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge.
- (v) If the Contractor shall offer or give or agree to give to any person in NHIDCL service or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other Contract for NHIDCL.
- (vi) If the Contractor shall enter into a Contract with NHIDCL in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Engineer-in-Charge.
- (vii) If the Contractor had secured the Contract with NHIDCL as a result of wrong tendering or other non-bonafide methods of competitive tendering or commits breach of Integrity Agreement.
- (viii) If the Contractor being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors.
- (ix) If the Contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
- (x) If the Contractor shall suffer an execution being levied on his goods

and allow it to be continued for a period of 21 days.

- (xi) If the Contractor assigns (excluding part(s) of work assigned to other agency(s) by the Contractor as per terms of Contract), transfers, sublets (engagement of labour on a piece-work basis or of labor with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Engineer -in-Charge. When the Contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-Charge on behalf of NHIDCL shall have powers:
 - (a) To determine the Contract as aforesaid so far as performance of work by the Contractor is concerned (of which determination notice in writing to the Contractor under the hand of the Engineer-in-Charge shall be conclusive evidence). Upon such determination, the Security Deposit already recovered, Security Deposit payable and Performance Guarantee under the Contract shall be liable to be forfeited and shall be absolutely at the disposal of NHIDCL.
 - (b) After giving notice to the Contractor to measure up the work of the Contractor and to take such whole, or the balance or part thereof, as shall be un-executed out of his hands and to give it to another contractor to complete the work. The Contractor, whose Contract is determined as above, shall not be allowed to participate in the tendering process for the balance work including any new items needed to complete the work. In the event of above courses being adopted by the Engineer-in-Charge, the Contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the Contract. And in case action is taken under any of the provision aforesaid, the Contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this Contract unless and until the Engineer-in-Charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

CLAUSE 3A

In case, the work cannot be started due to reasons not within the control of the Contractor within 1/8th of the stipulated time for completion of work or one months whichever is higher, either party may close the Contract by giving notice to the other party stating the reasons. In such eventuality, the Performance Guarantee of the Contractor shall be refunded within following time limits:

- (i) If the Tendered value of work is up to Rs. 1 Crore: 15 days
 - (ii) If the Tendered value of work is more than Rs. 1 Crore: 21 days
- and upto Rs.10 Crore

(iii) If the Tendered value of work exceeds Rs. 10 Crore: 30 days

Neither party shall claim any compensation for such eventuality. This clause is not applicable for any breach of the Contract by either party.

CLAUSE 4

**Contractor
liable to pay
Compensation
even if action
not taken under
Clause 3**

In any case in which any of the powers conferred upon the Engineer-in-Charge by Clause-3 thereof, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the Contractor and the liability of the Contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the Contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the Contractor) use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the Contractor, or procured by the Contractor and intended to be used for the execution of the work/or any part thereof, paying or allowing for the same in account at the Contract rates, or, in the case of these not being applicable, at current market rates to be certified by the Engineer-in-Charge, whose certificate thereof shall be final, and binding on the Contractor, clerk of the works, foreman or other authorized agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice) in the event of the Contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the Contractor's expense or sell them by auction or private sale on account of the Contractor and his risk in all respects and the certificate of the Engineer-in-Charge as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the Contractor.

CLAUSE 5

**Time and
Extension for
Delay**

The time allowed for execution of the Works as specified in the Schedule-F or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the work shall commence from such time period as mentioned in Schedule-F or from the date of handing over of the site, notified by the Engineer-in-Charge, whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, the Performance Guarantee shall be forfeited by the Engineer-in-Charge and shall be absolutely at the disposal of NHIDCL without prejudice to any other right or remedy available in law.

5.1 As soon as possible but within 7 (seven) working days of award of work and in consideration of

- a) Schedule of handing over of site as specified in the Schedule-F
- b) Schedule of issue of designs as specified in the Schedule-F
 - (i) The Contractor shall submit a Time and Progress Chart for each milestone. The Engineer-in-Charge may within 7 (seven) working days thereafter, if required modify, and

communicate the program approved to the Contractor failing which the program submitted by the Contractor shall be deemed to be approved by the Engineer-in-Charge. The work programme shall include all details of balance drawings and decisions required to complete the Contract with specific dates by which these details are required by Contractor without causing any delay in execution of the work. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents.

- (ii) In case of non-submission of construction programme by the Contractor, the program approved by the Engineer-in-Charge shall be deemed to be final.
- (iii) The approval by the Engineer-in-Charge of such programme shall not relieve the Contractor of any of the obligations under the Contract.
- (iv) The Contractor shall submit the Time and Progress Chart and progress report using the mutually agreed software or in other format decided by Engineer-in-Charge for the work done during previous month to the Engineer-in-charge on or before 5th day of each month failing which a recovery as per Schedule-F to be decided by the NIT approving authority shall be made on per week or part basis in case of delay in submission of the monthly progress report.

5.2 If the work(s) be delayed by:

- (i) force majeure, or
- (ii) abnormally bad weather, or
- (iii) serious loss or damage by fire, or
- (iv) civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or
- (v) delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in executing work not forming part of the Contract, or
- (vi) any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control.

then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.

The Contractor shall have no claim of damages for extension of time granted or rescheduling of milestone/s for events listed in sub clause

5.2.

- 5.3 In case the work is hindered by the Department or for any reason/ event, for which the Department is responsible, the authority as indicated in Schedule-F shall, if justified, give a fair and reasonable extension of time and reschedule the mile stones for completion of work. Such extension of time or rescheduling of milestone/s shall be without prejudice to any other right or remedy of the parties in contract or in law; provided further that for concurrent delays under this sub clause and sub clause 5.2 to the extent the delay is covered under sub clause 5.2 the contractor shall be entitled to only extension of time and no damages.
- 5.4 Request for rescheduling of Milestones or extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay on the prescribed forms, i.e., Form of application by the Contractor for seeking rescheduling of milestones (Appendix-XVI) or Form of application by the Contractor for seeking extension of time (Appendix -XVII) respectively to the authority as indicated in Schedule-F. The Contractor shall indicate in such a request the period by which rescheduling of milestone/s or extension of time is desired. With every request for rescheduling of milestones, or if at any time the actual progress of work falls behind the approved programme by more than 10% of the stipulated period of completion of Contract, the Contractor shall produce a revised programme which shall include all details of pending drawings and decisions required to complete the Contract and also the target dates by which these details should be available without causing any delay in execution of the work. A recovery as specified in Schedule-F shall be made on per day basis in case of delay in submission of the revised programme.
- 5.4.1 In any such case the authority as indicated in Schedule-F may give a fair and reasonable extension of time for completion of work or reschedule the mile stones. Engineer-in-Charge shall finalize/ reschedule a particular mile stone before taking an action against subsequent mile stone. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule-F in writing, within 21 days of the date of receipt of such request from the Contractor in prescribed form. In event of non-application by the Contractor for extension of time Engineer-in-Charge after affording opportunity to the Contractor, may give, supported with a programme (as specified under 5.4 above), a fair and reasonable extension within a reasonable period of occurrence of the event.
- 5.5 In case the work is delayed by any reasons, in the opinion of the Engineer-in-Charge, by the Contractor for reasons beyond the events mentioned in clause 5.2 or clause 5.3 or clause 5.4 and beyond the justified extended date; without prejudice to right to take action under Clause 3, the Engineer-in-Charge may grant extension of time required for completion of work without rescheduling of milestones. The Contractor shall be liable for levy of compensation for delay for such extension of time.

**Computerized
Measurement
Book**

CLAUSE 6

Engineer-in-Charge shall, except as otherwise provided, ascertain and determine by measurement, the value of work done in accordance with the Contract.

All measurements of all items having financial value shall be entered by the contractor and compiled in the shape of the Computerized Measurement Book having pages of A-4 size as per the format of the Department so that a complete record is obtained of all the items of works performed under the Contract.

All such measurements and levels recorded by the Contractor or his authorized representative from time to time, during the progress of the work, shall be got checked by the Contractor from the Engineer-in-Charge or his authorized representative as per interval or program fixed in consultation with Engineer-in-Charge or his authorized representative. After the necessary corrections made by the Engineer-in-Charge, the measurement sheets shall be returned to the contractor for incorporating the corrections and for resubmission to the Engineer-in-Charge for the dated signatures by the Engineer-in-Charge and the contractor or their representatives in token of their acceptance.

Whenever bill is due for payment, the Contractor would initially submit draft computerized measurement sheets and these measurements would be got checked/test checked from the Engineer-in-Charge and/or his authorized representative. The Contractor will, thereafter, incorporate such changes as may be done during these checks/test checks in his draft computerized measurements, and submit to the Department a computerized measurement book, duly bound, and with its pages machine numbered. The Engineer-in-Charge and/or his authorized representative would thereafter check this MB, and record the necessary certificates for their checks/test checks.

The final, fair, computerized measurement book given by the Contractor, duly bound, with its pages machine numbered, should be 100% correct, and no cutting or over-writing in the measurements would thereafter be allowed. If at all any error is noticed, the Contractor shall have to submit a fresh computerized MB with its pages duly machine numbered and bound, after getting the earlier MB cancelled by the Department. Thereafter, the MB shall be taken in the NHIDCL records, and allotted a number as per the Register of Computerized MBs. This should be done before the corresponding bill is submitted to the Engineer-in-Charge for payment. The Contractor shall submit two spare copies of such computerized MB's for the purpose of reference and record by the various officers of the Department.

The Contractor shall also submit to the department separately his computerized Abstract of Cost and the bill based on these measurements, duly bound, and its pages machine numbered along with two spare copies of the "bill. Thereafter, this bill will be processed by the Engineer-in-Charge and allotted a number as per the computerized record in the same way as done for the measurement book meant for measurements.

The Contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for checking of measurements/levels by the Engineer-in-Charge or his representative.

Except where any general or detailed description of the work expressly

shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available then a mutually agreed method shall be followed.

The Contractor shall give not less than seven days' notice to the Engineer-in-Charge or his authorized representative in charge of the work before covering up or otherwise placing beyond the reach of checking and/or test checking the measurement of any work in order that the same may be checked and/or test checked and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of checking and/or test checking measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Engineer-in-Charge or his authorized representative in charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of checking and/or test checking measurements without such notice having been given or the Engineer-in-Charge's consent being obtained in writing the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Engineer-in-Charge or his authorized representative may cause either themselves or through another officer of the Department to check the measurements recorded by Contractor and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.

It is also a term of this Contract that checking and/or test checking the measurements of any item of work in the measurement book and/or its payment in the interim, on account of final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the Contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.

CLAUSE 7

**Payment on
Intermediate
Certificate to be
Regarded as
Advances**

No payment shall be made for work, estimated to cost Rs. Twenty Lac or less till after the whole of the work shall have been completed and certificate of completion given. For works estimated to cost over Rs. Twenty Lac, the interim or running account bills shall be submitted by the Contractor for the work executed on the basis of such recorded measurements on the format of the Department in triplicate on or before the date of every month fixed for the same by the Engineer-in-Charge. The Contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule-F, in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved. Engineer-in-Charge shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work. In the event of the failure of the Contractor to submit the bills, no claims whatsoever due to delays on payment including that of interest shall

be payable to the Contractor. Payment on account of amount admissible shall be made by the Engineer-in-Charge certifying the sum to which the Contractor is considered entitled by way of interim payment at such rates as decided by the Engineer-in-Charge. The amount admissible shall be paid by 10th working day after the day of presentation of the bill by the Contractor to the Engineer-in-Charge or his Authorized Engineer together with the account of the material issued by the Department, or dismantled materials, if any. In the case of works outside the headquarters of the Engineer-in-Charge, the period of ten working days will be extended to fifteen working days. In case of delay in payment of intermediate bills after 45 days of submission of bill by the Contractor provided the bill submitted by the Contractor found to be in order, a simple interest @ 5% (five percent) per annum shall be paid to the Contractor from the date of expiry of prescribed time limit which will be compounded on yearly basis.

All such interim payments shall be regarded as payment by way of advances against final payment only and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected. Any certificate given by the Engineer-in-Charge relating to the work done or materials delivered forming part of such payment, may be modified or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the Contract and Specifications. Any such interim payment, or any part thereof shall not in any respect conclude, determine or affect in anyway powers of the Engineer-in-Charge under the Contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the Contract.

Pending consideration of extension of date of completion, interim payments shall continue to be made as herein provided without prejudice to the right of Department to take action under the terms of this Contract for delay in the completion of work, if the extension of date of completion is not granted by the competent authority.

The Engineer-in-Charge in his sole discretion on the basis of a certificate from his Authorized Engineer to the effect that the work has been completed up to the level in question make interim advance payments without detailed measurements for work done (other than foundations, items to be covered under finishing items) up to lintel level (including sunshade etc.) and slab level, for each floor working out at 75% of the assessed value. The advance payments so allowed shall be adjusted in the subsequent interim bill(s) to be submitted by the Contractor within 10 days of the interim payment. In case of delay in submission of bill by the Contractor a simple interest @ 10% per annum shall be paid to NHIDCL from the date of expiry of prescribed time limit, which will be compounded on yearly basis.

**Payments in
composite
Contracts**

In case of composite tenders, running payment for the major component shall be made by Engineer-in-Charge of major discipline to the main Contractor. Running payment for minor component shall be made by the Engineer-in-Charge of the discipline of minor component directly to the main Contractor.

In case main Contractor fails to make the payment to the contractor associated by him within 15 days of receipt of each running account payment, then on the written complaint of contractor associated for such

minor component, Engineer-in-Charge of minor component shall serve the show cause to the main Contractor and if reply of main Contractor either not received or found unsatisfactory, he may make the payment directly to the contractor associated for minor component as per the terms and conditions of the agreement drawn between main Contractor and associate contractor fixed by him. Such payment made to the associate contractor shall be recovered by Engineer-in-Charge of major or minor component from the next R/A / final bill due to main Contractor as the case may be.

Clause 7A

No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable is submitted by the Contractor to the Engineer-in-Charge.

CLAUSE 8

Completion Certificate and Completion Plans

Within ten days of the completion of the work, the Contractor shall give notice of such completion to the Engineer-in-Charge and within thirty days of the receipt of such notice, the Engineer-in-Charge shall inspect the work and if there is no defect in the work, shall furnish the Contractor with a final certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the Contractor and/or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the Contractor shall have removed from the premises on which the work shall be executed all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the Contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floor or other parts of the building, in, upon, or about which the work is to be executed or of which he may have had possession for the purpose of the execution; thereof, and not until the work shall have been measured by the Engineer-in-Charge. If the Contractor shall fail to comply with the requirements of this Clause as to removal of scaffolding, surplus material sand rubbish and all huts and sanitary arrangements as aforesaid and cleaning off dirt on or before the date fixed for the completion of work, the Engineer-in-Charge may at the expense of the Contractor remove such scaffolding, surplus materials and rubbish etc., and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the Contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof.

CLAUSE 8A

Completion Plans to be Submitted by the Contractor

The Contractor shall submit completion plans for Internal and External Civil, Electrical and Mechanical Services within thirty days of the completion of the work, provided that the service plans having been issued for execution by the Engineer-in-Charge, unless the Contractor, by virtue of any other provision in the contract, is required to prepare such plans In case, the Contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum of 0.1% (zero point one percent) of accepted Tendered Value or limit prescribed in Schedule F whichever is more as may be fixed by the authority as mentioned in Schedule-F and in this respect the decision of the that authority shall be final and binding on the Contractor.

CLAUSE 9

Payment of Final Bill

The final bill shall be submitted by the Contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final Certificate of Completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the Contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, will, as far as possible be made within the period specified here in under, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his Authorized Engineer, complete in all respect with account of materials issued by the Department and dismantled materials.

- (a) If the Tendered value of work is up to 1 Crore: 2 months
- (b) If the Tendered value of work is more than Rs 1 Crore: 3 months
and upto Rs. 10 Crore
- (c) If the Tendered value of work exceeds Rs. 10 Crore: 6 months

If the final bill is submitted by the Contractor within the period specified above and payment of final bills is made by the Department after prescribed time limit, a simple interest @ 5% per annum shall be paid to the Contractor from the date of expiry of prescribed time limit which will be compounded on yearly basis, provided the final bill submitted by the contractor is found to be in order.

CLAUSE 9A

Payment of Contractor's Bills to Banks

Payments due to the Contractor may, if so desired by him, be made to his bank, registered financial, co-operative or thrift societies or recognized financial institutions instead of direct to him provided that the Contractor furnishes to the Engineer-in-Charge (1) an authorization in the form of a legally valid document such as a power of attorney conferring authority on the bank; registered financial, co-operative or thrift societies or recognized financial institutions to receive payments and (2) his own acceptance of the correctness of the amount made out as being due to him by the Department or his signature on the bill or other claim preferred against the Department before settlement by the Engineer-in-Charge of the account or claim by payment to the bank, registered financial, co-operative or thrift societies or recognized financial institutions. While the receipt given by such banks; registered financial, co-operative or thrift societies or recognized financial institutions shall constitute a full and sufficient discharge for the payment, the Contractor shall whenever possible present his bills duly receipted and discharged through his bank, registered financial, co-operative or thrift societies or recognized financial institutions.

Nothing herein contained shall operate to create in favor of the bank; registered financial, co-operative or thrift societies or recognized financial institutions any rights or equities vis-à-vis the Department.

CLAUSE 10A

Materials to be provided by the

The Contractor shall, at his own expense, provide all materials, required for the works other than those, which are stipulated to be supplied by the

Contractor

Department.

The Contractor shall, at his own expense and without delay, supply to the Engineer-in-Charge samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the Contract. The Contractor shall, if requested by the Engineer-in-Charge furnish proof, to the satisfaction of the Engineer-in-Charge that the materials so comply. The Engineer-in-Charge shall within thirty days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-Charge for his approval, fresh samples complying with the specifications laid down in the Contract. When materials are required to be tested in accordance with specifications, approval of the Engineer-in-Charge shall be issued after the test results are received.

The Contractor shall at his risk and cost submit the samples of materials to be tested or analysed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and materials finally accepted by the Engineer-in-Charge. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials.

The Contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer-in-Charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the Contract or specifications. The Engineer-in-Charge or his authorized representative shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the Contractor shall afford every facility and every assistance in obtaining the right to such access.

The Engineer-in-Charge shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default, the Engineer-in-Charge shall be at liberty to employ at the expense of the Contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Engineer-in-Charge shall also have full powers to require other proper materials to be substituted thereof and in case of default, the Engineer-in-Charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.

The Contractor shall at his own expense, provide a material testing lab at the site for conducting routine field tests. The lab shall be equipped at least with the testing equipment as specified in Schedule-F.

CLAUSE 10B

**Secured
Advance on**

- (i) The Contractor, on signing an indenture in the form in Annexure XVIII by the Engineer-in-Charge, shall be entitled to be paid during the

Materials

progress of the execution of the work up to 75% of the assessed value of any materials or an amount not exceeding 75% of the material element cost in the tendered rate of the finished item of the work, whichever is lower, which are in the opinion of the Engineer-in-Charge non-perishable, non-fragile and non-combustible and are in accordance with the Contract and which have been brought on the site in connection therewith and are adequately stored and/or protected against damage by weather or other causes but which have not at the time of advance been incorporated in the works. When materials on account of which an advance has been made under this sub-clause are incorporated in the work, the amount of such advance shall be recovered / deducted from the next payment made under any of the clause or clauses of this Contract.

Such secured advance shall also be payable on other items of perishable nature, fragile and combustible with the approval of the Engineer-in-Charge provided the Contractor provides a comprehensive insurance cover for the full cost of such materials. The decision of the Engineer-in-Charge shall be final and binding on the Contractor in this matter. No secured advance, shall however, be paid on high-risk materials such as ordinary glass, sand, petrol, diesel etc.

Mobilization Advance

- (ii) Mobilization advance not exceeding 10% of the tendered value may be given, if requested by the Contractor in writing within one month of the order to commence the work. Such advance shall be in two or more installments to be determined by the Engineer-in-Charge at his sole discretion. The first installment of such advance shall be released by the Engineer-in-Charge to the Contractor on a request made by the Contractor to the Engineer-in-Charge in this behalf. The second and subsequent installments shall be released by the Engineer-in-Charge only after the Contractor furnishes a proof of the satisfactory utilization of the earlier installment to the entire satisfaction of the Engineer-in-Charge.

Before any installment of advance is released, the Contractor shall execute a Bank Guarantee Bonds (not more than 6 in number) from Nationalised/Scheduled Bank for the amount equal to 110% of the amount of advance and valid for the period till recovery of advance. This (Bank Guarantee from Nationalised/Scheduled Bank for the amount equal to 110% of the balance amount of advance) shall be kept renewed from time to time to cover the balance amount and likely period of complete recovery.

Interest & Recovery

- (iii) The mobilization advance in (ii) above bear simple interest at the rate of 10% per annum and shall be calculated from the date of payment to the date of recovery, both days inclusive, on the outstanding amount of advance. Recovery of such sums advanced shall be made by the deduction from the Contractors bills commencing after first 10% of the gross value of the work is executed and paid, on pro-rata percentage basis to the gross value of the work billed beyond 10% in such a way that the entire advance is recovered by the time 80% of the gross value of the Contract is executed and paid, together with interest due on the entire outstanding amount up to the date of recovery of the installment.

- (iv) If the circumstances are considered reasonable by the Engineer-in-Charge, the period mentioned in (ii) for request by the Contractor in writing for grant of mobilization advance may be extended in the discretion of the Engineer-in-Charge.

CLAUSE 10C

**Payment on
Account of
Increase in
Prices/Wages
due to Statutory
Order(s)**

If after submission of tender, if the price of any material incorporated in the work (excluding the material covered under clause 10 CA and/ or wages of labour increases as a direct result of the coming into force of any fresh law or statutory rule or order (but not due to any variation of rate in GST applicable on such material(s) being considered under this clause) beyond the prices/wages prevailing at the time of the last stipulated date of receipt of tenders including extensions, if any, for the work during contract period including the justified period extended under the provisions of clause 5 of the Contract without any action under clause 2, then the amount of the Contract shall accordingly be varied.

If after submission of the tender, the price of any material incorporated in the works (excluding the materials covered under Clause 10CA and/or wages of labour as prevailing at the time of last stipulated date of receipt of tender including extensions, if any, is decreased as a direct result of the coming into force of any fresh law or statutory rules or order (but not due to any variation of rate in GST applicable on such material (s) being considered under this clause), NHIDCL shall in respect of materials incorporated in the works (excluding the materials covered under Clause 10CA and/or labour engaged on the execution of the work after the date of coming into force of such law, statutory rule or order be entitled to deduct from the dues of the Contractor, such amount as shall be equivalent to the difference between the prices of the materials and/or wages as prevailed at the time of the last stipulated date for receipt of tenders including extensions if any for the work and the prices of materials and/or wages of labour on the coming into force of such law, statutory rule or order. This will be applicable for the Contract period including the justified period extended under the provisions of clause 5 of the Contract without any action under clause 2.

Engineer-in-Charge shall call books of account and other relevant documents from the Contractor to satisfy himself about reasonability of increase in prices of materials and wages.

The Contractor shall, within a reasonable time of his becoming aware of any alteration in the price of any such materials and/or wages of labour, give notice thereof to the Engineer-in-Charge stating that the same is given pursuant to this condition together with all information relating thereto which he may be in position to supply.

For this purpose, the labour component of 85% of the value of the work executed during period under consideration shall not exceed the percentage as specified in Schedule-F, and the increase/decrease in labour shall be considered on the minimum daily wages in rupees of any unskilled Mazdoor, fixed under any law statutory rule and order. The cost of work for which escalation is applicable (W) is same as cost of work done worked out as indicated in sub-para (ii) of clause 10 CC except the amount of full assessed value of secured Advance.

CLAUSE 10CA

Payment due to variation in prices of materials after receipt of tender

If after submission of the tender, the price of materials specified in Schedule-F increases/ decreases beyond the base price(s) as indicated in Schedule-F for the work, then the amount of the Contract shall accordingly be varied and provided further that any such variations shall be effected for stipulated period of Contract including the justified period extended under the provisions of Clause 5 of the Contract without any action under Clause 2.

However, for work done/during the justified period extended as above, it will be limited to indices prevailing at the time of updated stipulated date of completion considering the effect of extra work (extra time to be calculated on pro-rata basis only as cost of extra work x stipulated period/tendered cost). If updated stipulated date of completion as calculated on pro-rata basis does not cover full calendar month then indices will be considered or restricted to previous month.

The increase/decrease in prices of cement, steel reinforcement, structural steel and POL shall be determined by the Price indices issued by the Director General, CPWD. For other items provided in the Schedule-F, this shall be determined by the All India Wholesale Price Indices of materials as published by Economic Advisor to Government of India, Ministry of Commerce and Industry. Base price for cement, steel reinforcement, structural steel and POL shall be as issued under the authority of Director General CPWD applicable for Delhi including Noida, Gurgaon, Faridabad & Ghaziabad and for other places as issued under the authority of Zonal Chief Engineer, CPWD and base price of other materials issued by concerned Zonal Chief Engineer and as indicated in Schedule-F. In case, price index of a particular material is not issued by Ministry of Commerce and Industry, then the price index of nearest similar material as indicated in Schedule-F shall be followed.

The amount of the Contract shall accordingly be varied for all such materials and will be worked out as per the formula given below for individual material:

Adjustment for component of individual material

$$V = P \times Q \times \frac{CI - CI_0}{CI_0}$$

where,

V = Variation in material cost, i.e., increase or decrease in the amount of rupees to be paid or recovered.

P = Base Price of material as issued under authority of DG, CPWD/ MD, NHIDCL or concerned Zonal Chief Engineer and as indicated in Schedule-F.

For Projects and Original Works

Q = Quantity of material brought at site for bonafide use in the works since previous bill excluding any such quantity consumed in the deviated quantity of items beyond deviation limit and extra /substituted item, paid/to be paid at rates derived on the basis of market rate under clause 12.2.

CI₀ = Price index for cement, steel reinforcement bars structural steel and

POL as issued by the DG, CPWD/MD, NHIDCL and corresponding to the time of base price of respective material indicated in Schedule-F. For other items, if any, provided in Schedule-F, All India Wholesale Price Index for the material as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce and corresponding to the time of base price of respective material indicated in Schedule-F.

CI = Price index for cement, steel reinforcement bars, structural steel and POL as issued under the authority of DG, CPWD/MD, NHIDCL for period under consideration. For other items, if any, provided in Schedule-F, All India Wholesale Price Index for the material for period under consideration as published by Economic Advisor to Government of India, Ministry of Industry and Commerce.

Note:

(i) In respect of the justified period extended under the provisions of clause 5 of the Contract without any action under clause 2, the index prevailing at the time of updated stipulated date of completion considering the effect of extra work (extra time to be calculated on prorata basis only as cost of extra work x stipulated period/tendered cost) shall be considered.

Provided always that provisions of the preceding Clause 10C shall not be applicable in respect of Materials covered in this Clause. If updated stipulated date of completion as calculated on pro-rata basis does not cover full calendar month then indices will be considered or restricted to previous month.

(ii) If during progress of work or at the time of completion of work, it is noticed that any material brought at site is in excess of requirement, then amount of escalation if paid earlier on such excess quantity of material shall be recovered on the basis of cost indices as applied at the time of payment of escalation or as prevailing at the time of effecting recovery, whichever is higher.

(iii) Cement mentioned wherever in this clause includes Cement component used in RMC brought at site from outside approved RMC plants, if any.

(iv) The date wise record of ready mix concrete shall be kept in a register and the cement consumption for the same shall be calculated accordingly.

(v) If built-up steel items are brought at site from workshop, then the variation shall be paid for the structural steel up to the period when the built up item/finished product is brought at site.

CLAUSE 10CC

Payment due to Increase/ Decrease in Prices/ Wages (excluding materials covered under clause 10CA)

If the prices of materials (not being materials supplied or services rendered at fixed prices by the Department in accordance with clause 10 & 34 thereof) and/or wages of labor required for execution of the work increase, the Contractor shall be compensated for such increase as per provisions detailed below and the amount of the contract shall accordingly be varied, subject to the condition that that such compensation for escalation in prices and wages shall be available only for the work done during the stipulated period of the Contract including the justified period

**after Receipt of
Tender for
Works**

extended under the provisions of clause 5 of the Contract without any action under clause 2. No such compensation shall be payable for a work for which the stipulated period of completion is equal to or less than the time as specified in Schedule-F. Such compensation for escalation in the prices of materials and labor, when due, shall be worked out based on the following provisions:

- (i) The base date for working out such escalation shall be the last stipulated date of receipt of tenders including extension, if any.
- (ii) The cost of work on which escalation will be payable shall be reckoned as below:
 - (a) Gross value of work done up to this quarter: (A)
 - (b) Gross value of work done up to the last quarter: (B)
 - (c) Gross value of work done since previous quarter (A-B): (C)
 - (d) Full assessed value of Secured Advance (excluding materials Covered under Clause 10 CA) fresh paid in this quarter: (D)
 - (e) Full assessed value of Secured Advance (excluding materials Covered under Clause 10 CA) recovered in this quarter: (E)
 - (f) Full assessed value of Secured Advance for which escalation Payable in this quarter (D-E): (F)
 - (g) Advance payment made during this quarter: (G)
 - (h) Advance payment recovered during this quarter: (H)
 - (i) Advance payment for which escalation is payable in this Quarter(G-H): (I)
 - (j) Extra items/deviated quantities of items paid as per Clause 12 based on prevailing market rates during this quarter: (J)

$$\text{Then, } M = C+F+I-J$$

$$N = 0.85 M$$

Cost of work for which escalation is applicable: W = N

- (iii) Components for materials (except cement, reinforcement bars, structural steel, POL or other materials covered under clause 10CA) labor, etc. shall be pre-determined for every work and incorporated in the conditions of Contract attached to the tender papers included in Schedule-F. The decision of the Engineer-in-Charge in working out such percentage shall be binding on the Contractors.
- (iv) The compensation for escalation for other materials (excluding cement, reinforcement bars, structural steel, POL or other materials covered under clause 10CA) shall be worked as per the formula given below:

Adjustment for civil component (except cement, structural steel, reinforcement bars, POL and other materials covered under clause 10CA) / electrical component of construction 'Materials'

$$V_m = W \times \frac{X_m}{100} \times \frac{M_I - M_{I_0}}{M_{I_0}}$$

- Vm = Variation in material cost, i.e., increase or decrease in the amount in rupees to be paid or recovered.
- W = Cost of Work done worked out as indicated in sub-para (ii) of Clause 10CC.
- Xm = Component of 'materials' (except cement, structural steel, reinforcement bars, POL and other materials covered under clause 10CA) expressed as percent of the total value of work.
- MI = All India Wholesale Price Index for civil component/electrical component* of construction material as worked out on the basis of All India Wholesale Price Index for Individual Commodities/ Group Items for the period under consideration as published by Economic Advisor to Govt. of India, Ministry of Industry & Commerce and applying weightages to the Individual Commodities/Group Items. (In respect of the justified period extended under the provisions of clause 5 of the Contract without any action under clause 2, the index prevailing at the time of updated stipulated date of completion considering the effect of extra work (extra time to be calculated on prorata basis only as cost of extra work x stipulated period/tendered cost, shall be considered). If updated stipulated date of completion as calculated on pro- rata basis does not cover full calendar month then indices will be considered or restricted to previous month.
- Mlo = All India Wholesale Price Index for civil component/electrical component* of construction material as worked out on the basis of All India Wholesale Price Index for Individual Commodities/Group Items valid on the last stipulated date of receipt of tender including extension, if any, as published by the Economic Advisor to Govt. of India, Ministry of Industry & Commerce and applying weightages to the Individual Commodities/Group items.

***Note:** relevant component only will be applicable.

- (v) The following principles shall be followed while working out the indices mentioned in para (iv) above.
- (a) The compensation for escalation shall be worked out at quarterly intervals and shall be with respect to the cost of work done as per bills paid during the three calendar months of the said quarter. The dates of preparation of bills as finally entered in the Measurement Book by the Authorized Engineer/ date of submission of bill finally by the Contractor to the Department in case of computerized measurement books shall be the guiding factor to decide the bills relevant to the quarterly interval. The first such payment shall be made at the end of three months after the month (excluding the month in which tender was accepted) and thereafter at three months' interval. At the time of completion of the work, the last period for payment might become less than 3 months, depending on the actual date of completion.
- (b) The index (MI/FI etc.) relevant to any quarter/period for

which such compensation is paid shall be the arithmetical average of the indices relevant to the three calendar months. If the period up to date of completion after the quarter covered by the last such installment of payment, is less than three months, the index MI and FI shall be the average of the indices for the months falling within that period.

- (vi) The compensation for escalation for labour shall be worked out as per the formula given below:

$$VL = W \times \frac{Y}{100} \times \frac{LI - LI_0}{LI_0}$$

VL: Variation in labor cost, i.e., amount of increase or decrease in rupees to be paid or recovered.

W: Value of work done, worked out as indicated in sub-para (ii) above.

Y: Component of labor expressed as a percentage of the total value of the work.

LI: Minimum wage in rupees of an unskilled adult male mazdoor, fixed under any law, statutory rule or order as applicable on the last date of the quarter previous to the one under consideration. (In respect of the justified period extended under the provisions of clause 5 of the Contract without any action under clause 2, the minimum wage prevailing on the last date of quarter previous to the quarter pertaining to updated stipulated date of Completion considering the effect of extra work (extra time to be calculated on prorata basis only as cost of extra work x stipulated period/tendered cost, shall be considered). If updated stipulated date of completion as calculated on pro-rate basis does not cover full calendar month then indices will be considered or restricted to previous month.

Llo: Minimum daily wage in rupees of an unskilled adult male mazdoor, fixed under any law, statutory rule or order as on the last stipulated date of receipt of tender including extension, if any.

- (vii) The following principles will be followed while working out the compensation as per sub-para (vi) Above.

(a) The minimum wage of an unskilled mazdoor mentioned in sub-para (vi) above shall be the higher of the wage notified by Government of India, Ministry of Labor and that notified by the local administration both relevant to the place of work and the period of reckoning.

(b) The escalation for labor also shall be paid at the same quarterly intervals when escalation due to increase in cost of materials is paid under this clause. If such revision of minimum wages takes place during any such quarterly intervals, the escalation compensation shall be payable at revised rates only for work done in subsequent quarters;

(c) Irrespective of variations in minimum wages of any category

of labor, for the purpose of this clause, the variation in the rate for an unskilled Mazdoor alone shall form the basis for working out the escalation compensation payable on the labor component.

- (viii) In the event the price of materials and/or wages of labor required for execution of the work decrease/s, there shall be a downward adjustment of the cost of work so that such price of materials and/or wages of labor shall be deductible from the cost of work under this Contract and in this regard the formula herein before stated under this Clause 10CC shall mutatis mutandis apply, provided that:
- (a) no such adjustment for the decrease in the price of materials and/or wages of labor aforementioned would be made in case of Contracts in which the stipulated period of completion of the work is equal to or less than the time as specified in Schedule-F.
- (b) The Engineer-in-Charge shall otherwise be entitled to lay down the procedure by which the provision of this sub-clause shall be implemented from time to time and the decision of the Engineer-in-Charge in this behalf shall be final and binding on the Contractor.
- (ix) Provided always that:
- (a) Where provisions of clause 10CC are applicable, provisions of clause 10C will not be applicable but provisions of clause 10CA will be applicable.
- (b) Where provisions of clause 10CC are not applicable, provisions of clause 10C and 10CA will become applicable.

Note:

Updated stipulated date of completion (period of completion plus extra time for extra work for compensation under clause 10C, 10CA and 10CC. The factor of 1.25 taken into account for calculating the extra time under clause 12.1 for extra time shall not be considered while calculating the updated stipulated date of completion for this purpose in clause 10C, clause 10CA, and clause 10CC.

Provided always that provision of Clause 10C, 10CA and 10CC shall be applicable only when so provided in Schedule-F.

CLAUSE 10 D

**Dismantled
Material
NHIDCL
Property**

The Contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work, etc. as NHIDCL's property and such materials shall be disposed off to the best advantage of NHIDCL according to the instructions in writing issued by the Engineer-in-Charge.

CLAUSE 11

**Work to be
Executed in
Accordance with
Specifications,
Drawings, Orders
etc.**

The Contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The Contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge and the Contractor shall be furnished free of charge

one copy of the Contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications as specified in Schedule-F or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the Contract.

The Contractor shall comply with the provisions of the Contract and with the care and diligence execute and maintain the works and provide all labor and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the Contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

CLAUSE 12

Deviations/ Variations Extent and Pricing

The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the Contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the Contract as if originally provided therein and any altered, additional or substituted work which the Contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the Contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

12.1 The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the Contractor, as follows:

- (i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus
- (ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge.

Deviation, Extra Items, Substitute Items and Pricing

12.2 In the case of extra item(s) (items that are completely new, and are in addition to the items contained in the contract), the Contractor may within fifteen days of receipt of proper analysis which shall include invoices, vouchers etc. and Manufacturer's specification for the work failing which the rate approved later by the Engineer-in-Charge shall be binding and the Engineer-in-Charge shall within prescribed time limit of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the Contractor, determine the rates on the basis of the market rates and the Contractor shall be paid in accordance with the rates so determined, failing which it will be deemed to have been approved.

In the case of substituted items (items that are taken up with partial substitution or in lieu of items of work in the Contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following para.

- (a) If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the Contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).
- (b) If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the Contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

**Deviation,
Deviated
Quantities,
Pricing**

In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in Schedule-F, the Contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Engineer-in-Charge shall within prescribed time limit of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the Contractor, determine the rates on the basis of the market rates (as per invoice, vouchers from the manufacturers or suppliers submitted by the agency and duly verified by Engineer-in-Charge or his representative) and the Contractor shall be paid in accordance with the rates so determined.

The prescribed time limit for finalizing rates for Extra Item(s), Substitute Item(s) and Deviated Quantities of contract items is within 45 days after submission of proposal by the Contractor without observation of the Engineer-in-Charge.

12.3 The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down in Schedule-F, and the Engineer-in-Charge shall after giving notice to the Contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.

12.4 For the purpose of operation of Schedule-F, the following works shall be treated as works relating to foundation unless & otherwise defined in the Contract:

- (i) For Buildings: All works up to 1.2 metres above ground level or up to floor 1 level whichever is lower.
- (ii) For abutments, piers and well staining: All works up to 1.2 metres above the bed level.

- (iii) For retaining walls, wing walls, compound walls, chimneys, overhead reservoirs/tanks and other elevated structures: All works up to 1.2 metres above the ground level.
- (iv) For reservoirs/tanks (other than overhead reservoirs/tanks): All works up to 1.2 metres above the ground level.
- (v) For basement: All works up to 1.2 m above ground level or up to floor 1 level whichever is lower.
- (vi) For Roads, all items of excavation and filling including treatment of sub base.

12.5 Any operation incidental to or necessarily has to be in contemplation of tenderer while filing tender, or necessary for proper execution of the item included in the Schedule of Quantities or in the Schedule of Rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said Schedule of Rates, as the case may be. Nothing extra shall be admissible for such operations.

CLAUSE 13

Foreclosure of contract due to Abandonment or Reduction in Scope of Work

If at any time after acceptance of the tender or during the progress of work, the purpose or object for which the work is being done changes due to any supervening cause and as a result of which the work has to be abandoned or reduced in scope the Engineer-in-Charge shall give notice in writing to that effect to the Contractor stating the decision as well as the cause for such decision and the Contractor shall act accordingly in the matter. The Contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

The Contractor shall be paid at contract rates, full amount for works executed at site and, in addition, a reasonable amount as certified by the Engineer-in-Charge for the items hereunder mentioned which could not be utilized on the work to the full extent in view of the foreclosure;

- (i) Any expenditure incurred on preliminary site work, e.g. temporary access roads, temporary labour huts, staff quarters and site office; storage accommodation and water storage tanks.
- (ii) NHIDCL shall have the option to take over Contractor's materials or any part thereof either brought to site or of which the Contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work) provided, however NHIDCL shall be bound to take over the materials or such portions thereof as the Contractor does not desire to retain. For materials taken over or to be taken over by NHIDCL, cost of such materials as detailed by Engineer-in-Charge shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the Contractor.
- (iii) Reasonable compensation for transfer of T & P from site to Contractor's permanent stores or to his other works, whichever is less.

If T & P are not transported to either of the said places, no cost of transportation shall be payable.

- (iv) Reasonable compensation for repatriation of contractor's site staff and imported labour to the extent necessary.

The Contractor shall, if required by the Engineer-in-Charge, furnish to him, books of account, wage books, time sheets and other relevant documents and evidence as may be necessary to enable him to certify the reasonable amount payable under this condition.

The reasonable amount of items on (i), (iii) and (iv) above shall not be in excess of 2% of the cost of the work remaining incomplete on the date of closure, i.e., total stipulated cost of the work as per accepted tender less the cost of work actually executed under the Contract and less the cost of Contractor's materials at site taken over by the NHIDCL as per item (ii) above. Provided always that against any payments due to the Contractor on this account or otherwise, the Engineer-in-Charge shall be entitled to recover or be credited with any outstanding balances due from the Contractor for advance paid in respect of any tool, plants and materials and any other sums which at the date of termination were recoverable by the NHIDCL from the Contractor under the terms of the Contract.

In the event of action being taken under Clause 13 to reduce the scope of work, the Contractor may furnish fresh Performance Guarantee on the same conditions, in the same manner and at the same rate for the balance tendered amount and initially valid up to the extended date of completion or stipulated date of completion if no extension has been granted plus minimum 60 days beyond that. Wherever such a fresh Performance Guarantee is furnished by the Contractor the Engineer-in-Charge may return the previous Performance Guarantee.

Clause 14

Carrying out part work at risk & cost of Contractor

If Contractor:

- (i) At any time makes default during currency of work or does not execute any part of the work with due diligence and continues to do so even after a notice in writing of 7 days in this respect from the Engineer-in-Charge; or
- (ii) Commits default in complying with any of the terms and conditions of the Contract and does not remedy it or takes effective steps to remedy it within 7 days even after a notice in writing is given in that behalf by the Engineer-in-Charge; or

Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in that behalf by the Engineer-in-Charge;
- (iii) The Engineer-in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the Contractor which have either accrued or accrue thereafter to NHIDCL, by a notice in writing to take the part work/ part incomplete work of any item(s) out of his hands and shall have powers to:
 - (a) Take possession of the site and any materials, constructional

plant, implements, stores, etc. thereon; and/or

- (b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the Contractor.

The Engineer-in-Charge shall determine the amount, if any, is recoverable from the Contractor for completion of the part work/ part incomplete work of any item(s) taken out of his hands and execute at the risk and cost of the Contractor, the liability of Contractor on account of loss or damage suffered by NHIDCL because of action under this clause shall not exceed 10% of the tendered value of the work.

In determining the amount, credit shall be given to the Contractor with the value of work done in all respect in the same manner and at the same rate as if it had been carried out by the original Contractor under the terms of his Contract, the value of Contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the Contractor. The certificate of the Engineer-in-Charge as to the value of work done shall be final and conclusive against the Contractor provided always that action under this clause shall only be taken after giving notice in writing to the Contractor. Provided also that if the expenses incurred by NHIDCL are less than the amount payable to the Contractor at his agreement rates, the difference shall not be payable to the Contractor.

Any excess expenditure incurred or to be incurred by NHIDCL in completing the part work/ part incomplete work of any item(s) or the excess loss of damages suffered or may be suffered by NHIDCL as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to NHIDCL in law or per as agreement be recovered from any money due to the Contractor on any account, and if such money is insufficient, the Contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the Contractor fails to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge shall have the right to sell any or all of the Contractors' unused materials, constructional plant, implements, temporary building at site etc. and adjust the proceeds of sale thereof towards the dues recoverable from the Contractor under the Contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provisions of the Contract.

In the event of above course being adopted by the Engineer-in-Charge, the Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the Contract.

CLAUSE 15

Suspension of Work

- (i) The Contractor shall, on receipt of the order in writing of the Engineer-in-Charge, (whose decision shall be final and binding on the Contractor) suspend the progress of the works or any part thereof for such time and in such manner as the Engineer-in-Charge may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of the following reasons:

- (a) on account of any default on the part of the Contractor or;
- (b) for proper execution of the works or part thereof for reasons other than the default of the Contractor; or
- (c) for safety of the works or part thereof.

The Contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the Engineer-in-Charge.

- (ii) If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:

- (a) the Contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the Contract and of which the suspended work forms a part, and;
- (b) If the total period of all such suspensions in respect of an item or group of items or work for which a separate period of completion is specified in the Contract exceeds thirty days, the Contractor shall, in addition, be entitled to such compensation as the Engineer-in-Charge may consider reasonable in respect of salaries and/or wages paid by the Contractor to his employees and labour at site, remaining idle during the period of suspension, adding thereto 2% to cover indirect expenses of the Contractor provided the Contractor submits his claim supported by details to the Engineer-in-Charge within fifteen days of the expiry of the period of 30 days.

- (iii) If the works or part thereof is suspended on the orders of the Engineer-in-Charge for more than three months at a time, except when suspension is ordered for reason (a) in sub para (i) above, the Contractor may after receipt of such order serve a written notice on the Engineer-in-Charge requiring permission within fifteen days from receipt by the Engineer-in-Charge of the said notice, to proceed with the work or part thereof in regard to which progress has been suspended and if such permission is not granted within that time, the Contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by the Department or where it affects whole of the works, as an abandonment of the works by the Department, shall within ten days of expiry of such period of 15 days give notice in writing of his intention to the Engineer-in-Charge. In the event of the Contractor treating the suspension as an abandonment of the contract by the Department, he shall have no claim to payment of any compensation on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment. He shall, however, be entitled to such compensation, as the Engineer-in-Charge may consider reasonable, in respect of salaries and/or wages paid by him to his employees and labour at site, remaining idle in consequence adding to the total thereof 2% to cover indirect expenses of the Contractor provided the Contractor submits his claim supported by details to the Engineer-in-Charge within 30 days of the expiry of the period of 3 months.

CLAUSE 16

Action in case Work not done as per Specifications

All works under or in course of execution or executed in pursuance of the Contract, shall at all times be open and accessible to the inspection and supervision of the Engineer-in-Charge, his authorized subordinates in charge of the work and all the superior officers, officer of the Quality Assurance Unit of the Department or any organization engaged by the Department for Quality Assurance and of the Chief Technical Examiner's Office, and the Contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the Contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself.

If it shall appear to the Engineer-in-Charge or his authorized subordinates in charge of the work or to the Chief Engineer in charge of Quality Assurance or his subordinate officers or the officers of the organization engaged by the Department for Quality Assurance or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the Contract, the Contractor shall, on demand in writing which shall be made within twelve months (six months in the case of work costing Rs. 10 Lac and below except road work) of the completion of the work from the Engineer-in-Charge specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the failing to do so within a period specified by the Engineer-in-Charge in his demand aforesaid, then the Contractor shall be liable to pay compensation at the same rate as under clause 2 of the Contract (for non-completion of the work in time) for this default.

In such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the Contract but may accept such items at reduced rates as the authority specified in schedule-F may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the Contractor. Decision of the Engineer-in-Charge to be conveyed in writing in respect of the same will be final and binding on the Contractor.

CLAUSE 17

Contractor Liable for Damages, defects during defect liability

If the Contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being

period

executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within twelve months (six months in the case of work costing Rs. Ten lacs and below except road work) after a certificate final or otherwise of its completion shall have been given by the Engineer-in-Charge as aforesaid arising out of defect or improper materials or workmanship the Contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the Contractor, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof. The security deposit of the Contractor shall not be refunded before the expiry of twelve months (six months in the case of work costing Rs. Ten lakhs and below except road work) after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

Provided that in the case of road work, if in the opinion of the Engineer-in-Charge, half of the security deposit is sufficient, to meet all liabilities of the Contractor under this Contract, half of the security deposit will be refundable after six months and the remaining half after twelve months of the issue of the said certificate of completion or till the final bill has been prepared and passed whichever is later.

In case of Maintenance and Operation works of E&M services, the security deposit deducted from Contractors shall be refunded within one month from the date of final payment or within one month from the date of completion of the maintenance contract whichever is earlier.

CLAUSE 18

**Contractor to
Supply Tools &
Plants etc.**

The Contractor shall provide at his own cost all materials machinery, tools & plants as specified in Schedule-F. In addition to this, appliances, implements, other plants, ladders, cordage, tackle, scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specifications or other documents forming part of the Contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work. The Contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting the measurement for examination at any time and from time to time of the work or materials. Failing his so doing, the same may be provided by the Engineer-in-Charge at the expense of the Contractor and the expenses may be deducted, from any money due to the Contractor, under this Contract or otherwise and/or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.

CLAUSE 18 A

**Recovery of
Compensation
paid to**

In every case in which by virtue of the provisions sub- section (1) of section 12 of the Workmen's Compensation Act. 1923, NHIDCL is obliged to pay compensation to a workman employed by the Contractor, in execution of the works, NHIDCL will recover from the Contractor, the amount of the

Workmen

compensation so paid: and without prejudice to the rights of the NHIDCL under sub- section (2) of section 12 , of the said Act, NHIDCL shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by NHIDCL to the Contractor whether under this Contract or otherwise. NHIDCL shall not be bound to contest any claim made against it under sub- section (1) of section 12, of the said Act, except on the written request of the Contractor and upon his giving to NHIDCL full security for all costs for which NHIDCL might become liable in consequence of contesting such claim.

CLAUSE 18 B**Ensuring
Payment and
Amenities to
Workers if
Contractor fails**

In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and of the Contract Labour (Regulation and Abolition) Central Rules, 1971, NHIDCL is obliged to pay any amounts of wages to a workman employed by the Contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules under Clause 19H or under the NHIDCL's Contractor's Labour Regulations, or under the Rules framed by the Government from time to time for the protection of health and sanitary arrangements for workers employed by NHIDCL Contractors, NHIDCL will recover from the Contractor, the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of the NHIDCL under sub-section (2) of Section 20, and sub-section (4) of Section 21, of the Contract Labour (Regulation and Abolition) Act, 1970, NHIDCL shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by NHIDCL to the Contractor whether under this Contract or otherwise NHIDCL shall not be bound to contest any claim made against it under subsection (1) of Section 20, sub-section (4) of Section 21, of the said Act, except on the written request of the Contractor and upon his giving to NHIDCL full security for all costs for which NHIDCL might become liable in contesting such claim.

CLAUSE 19**Labor Laws to
be complied by
the Contractor**

The Contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work.

The Contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.

The Contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986.

The Contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.

Any failure to fulfill these requirements shall attract the penal provisions of this Contract arising out of the resultant non-execution of the work.

CLAUSE 19 A

No labor below the age of fourteen years shall be employed on the work.

**Payment of
Wages**

CLAUSE 19 B

Payment of wages:

- (i) The Contractor shall pay to labor employed by him either directly or through subcontractors, wages not less than fair wages as defined in the NHIDCL Contractor's Labor Regulations or as per the provisions of the Contract Labor (Regulation and Abolition) Act, 1970 and the Contract Labor (Regulation and Abolition) Central Rules, 1971, wherever applicable.
- (ii) The Contractor shall, notwithstanding the provisions of any Contract to the contrary, cause to be paid fair wage to labor indirectly engaged on the work, including any labor engaged by his sub-contractors in connection with the said work, as if the labor had been immediately employed by him.
- (iii) In respect of all labour directly or indirectly employed in the works for performance of the Contractor's part of this Contract, the Contractor shall comply with or cause to be complied with the NHIDCL Contractor's Labour Regulations made by Government from time to time in regard to payment of wages, wage period, deductions from wages recovery of wages not paid and deductions unauthorizedly made, maintenance of wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labor (Regulation and Abolition) Act, 1970, and the Contract Labor (Regulation and Abolition) Central Rules, 1971, wherever applicable.
- (iv) (a) The Engineer-in-Charge concerned shall have the right to deduct from the moneys due to the Contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfillment of the conditions of the Contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the Contract or non-observance of the Regulations.

(b) Under the provision of Minimum Wages (Central) Rules, 1950, the Contractor is bound to allow to the labors directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default, the Engineer-in-Charge shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labors and pay the same to the persons entitled thereto from any money due to the Contractor by the Engineer-in-Charge concerned.

In the case of Union Territory of Delhi, however, as the all-inclusive minimum daily wages fixed under Notification of the Delhi Administration No.F.12 (162) MWO/DAB/43884-91, dated 31-12-1979 as amended from time to time are inclusive of wages for the weekly day of rest, the question of extra payment for weekly holiday would not arise.
- (v) The Contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability

Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labor (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.

- (vi) The Contractor shall indemnify and keep indemnified NHIDCL against payments to be made under and for the observance of the laws aforesaid and the Contractor's Labor Regulations without prejudice to his right to claim indemnity from his sub-contractors.
- (vii) The laws aforesaid shall be deemed to be a part of this Contract and any breach thereof shall be deemed to be a breach of this Contract.
- (viii) Whatever is the minimum wage for the time being, or if the wage payable is higher than such wage, such wage shall be paid by the Contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workmen as and byway of commission or otherwise.
- (ix) The Contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.

CLAUSE 19 C

In respect of all labour directly or indirectly employed in the work for the performance of the Contractor's part of this Contract, the Contractor shall at his own expense arrange for the safety provisions as per NHIDCL Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the Contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty as decided by the authority mentioned in Schedule-F for each default and in addition, the Engineer-in-Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the Contractor.

CLAUSE 19 D

The Contractor shall submit by the 4th and 19th of every month, to the Engineer-in-Charge, a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively:

- (1) the number of laborers employed by him on the work,
- (2) their working hours,
- (3) the wages paid to them,
- (4) the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them, and
- (5) The number of female workers who have been allowed maternity benefit according to Clause 19F and the amount paid to them;

failing which the Contractor shall be liable to pay to NHIDCL, a sum as decided by the authority mentioned in Schedule-F for each default or materially incorrect statement. The decision of the Engineer-in-Charge shall be final in deducting from any bill due to the Contractor, the amount levied as fine and is binding on the Contractor.

CLAUSE 19 E

In respect of all labour directly or indirectly employed in the works for the performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with all the rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by the NHIDCL and its contractors.

CLAUSE 19 F

Leave and pay during leave shall be regulated as follows:

1. Leave:

- (i) in the case of delivery - maternity leave not exceeding 8 weeks, 4 weeks up to and including the day of delivery and 4 weeks following that day,
- (ii) in the case of miscarriage - upto 3 weeks from the date of miscarriage.

2. Pay:

- (i) in the case of delivery - leave pay during maternity leave will be at the rate of the women's average daily earnings, calculated on total wages earned on the days when full time work was done during a period of three months immediately preceding the date on which she gives notice that she expects to be confined or at the rate of Rupee one only a day whichever is greater.
- (ii) In the case of miscarriage - leave pay at the rate of average daily earning calculated on the total wages earned on the days when full time work was done during a period of three months immediately preceding the date of such miscarriage.

3. Conditions for the grant of Maternity Leave:

No maternity leave benefit shall be admissible to a woman unless she has been employed for a total period of not less than six months immediately preceding the date on which she proceeds on leave.

4. The Contractor shall maintain a register of Maternity (Benefit) in the Prescribed Form as shown in appendix-I and II, and the same shall be kept at the place of work.

CLAUSE 19 G

In the event of the Contractor(s) committing a default or breach of any of the provisions of the NHIDCL Contractor's Labor Regulations and Model Rules for the protection of health and sanitary arrangements for the workers as amended from time to time or furnishing any information or submitting or filing any statement under the provisions of the above Regulations and' Rules which is materially incorrect, he/they shall, without prejudice to any other liability, pay to NHIDCL a sum as decided by the authority mentioned in Schedule-F for every default, breach or furnishing, making, submitting, filing such materially incorrect statements and in the event of the Contractor(s) defaulting continuously in this respect, the penalty may be enhanced to as decided by the authority mentioned in Schedule-F per day for each day of default subject to a maximum of 5% of the estimated cost of the work put to tender. The decision of the Engineer-in-Charge shall be final and binding on the parties.

Should it appear to the Engineer-in-Charge that the Contractor is not properly observing and complying with the provisions of NHIDCL's Contractor's Labor Regulations and Model Rules and the provisions of the Contract Labor (Regulation and Abolition) Act 1970, and the Contract Labor (R& A) Central Rules 1971, for the protection of health and sanitary arrangements for work-people employed by the Contractor (hereinafter referred as "the said Rules") the Engineer-in-Charge shall have power to give notice in writing to the Contractor requiring that the said Rules be complied with and the amenities prescribed therein be provided to the work-people within a reasonable time to be specified in the notice. If the Contractor shall fail within the period specified in the notice to comply with and/or observe the said Rules and to provide the amenities to the work-people as aforesaid, the Engineer-in-Charge shall have the power to provide the amenities herein before mentioned at the cost of the Contractor. The Contractor shall erect, make and maintain at his/their own expense and to approved standards all necessary huts and sanitary arrangements required for his/their work-people on the site in connection with the execution of the works, and if the same shall not have been erected or constructed, according to approved standards, the Engineer-in-Charge shall have power to give notice in writing to the Contractor requiring that the said huts and sanitary arrangements be remodeled and/or reconstructed according to approved standards, and if the Contractor shall fail to remodel or reconstruct such huts and sanitary arrangements according to approved standards within the period specified in the notice, the Engineer-in-Charge shall have the power to remodel or reconstruct such huts and sanitary arrangements according to approved standards at the cost of the Contractor.

CLAUSE 19 H

The Contractor shall at his own cost provide his labour with a sufficient number of huts (hereinafter referred to as the camp) of the following specifications on a suitable plot of land to be approved by the Engineer-in-Charge.

- (i) (a) The minimum height of each hut at the eaves level shall be 2.10m (7 ft.) and the floor area to be provided will be at the rate of 2.7 sqm. (30 sq.ft.) for each member of the worker's family staying with the laborer.
- (b) The Contractor shall in addition construct suitable cooking places having a minimum area of 1.80m x 1.50m (6'x5') adjacent to the hut for each family.
- (c) The Contractor shall also construct temporary latrines and urinals for the use of the laborers each on the scale of not less than four per each one hundred of the total strength, separate latrines and urinals being provided for women.
- (d) The Contractor shall construct sufficient number of bathing and washing places, one unit for every 25 persons residing in the camp. These bathing and washing places shall be suitably screened.
- (ii) (a) All the huts shall have walls of sun-dried or burnt-bricks laid in mud mortar or other suitable local materials as may be approved by the Engineer-in-Charge. In case of sun-dried bricks, the walls should be plastered with mud gobri on both sides. The floor may

be kutchra but plastered with mud gobri and shall be at least 15 cm (6") above the surrounding ground. The roofs shall be laid with thatch or any other materials as may be approved by the Engineer-in-Charge and the Contractor shall ensure that throughout the period of their occupation, the roofs remain water-tight.

- (b) The Contractor shall provide each hut with proper ventilation.
 - (c) All doors, windows, and ventilators shall be provided with suitable leaves for security purposes.
 - (d) There shall be kept an open space of at least 7.2m (8 yards) between the rows of huts which may be reduced to 6m (20 ft.) according to the availability of site with the approval of the Engineer-in-Charge. Back-to-back construction will be allowed.
- (iii) **Water Supply** - The Contractor shall provide adequate supply of water for the use labourers. The provisions shall not be less than two gallons of pure and wholesome water per head per day for drinking purposes and three gallons of clean water per head per day for bathing and washing purposes. Where piped water supply is available, supply shall be at stand posts and where the supply is from wells or river, tanks which may be of metal or masonry, shall be provided. The contractor shall also at his own cost make arrangements for laying pipe lines for water supply to his labor camp from the existing mains wherever available, and shall pay all fees and charges therefore.
- (iv) The site selected for the camp shall be high ground, removed from jungle.
- (v) **Disposal of Excreta** - The Contractor shall make necessary arrangements for the disposal of excreta from the latrines by trenching or incineration which shall be according to the requirements laid down by the Local Health Authorities. If trenching or incineration is not allowed, the Contractor shall make arrangements for the removal of the excreta through the Municipal Committee/authority and inform it about the number of laborers employed so that arrangements may be made by such Committee/authority for the removal of the excreta. All charges on this account shall be borne by the Contractor and paid direct by him to the Municipality/authority. The Contractor shall provide one sweeper for every eight seats in case of dry system.
- (vi) **Drainage** - The Contractor shall provide efficient arrangements for draining away sullage water so as to keep the camp neat and tidy.
- (vii) The Contractor shall make necessary arrangements for keeping the camp area sufficiently lighted to avoid accidents to the workers.
- (viii) **Sanitation** - The Contractor shall make arrangements for conservancy and sanitation in the labor camps according to the rules of the Local Public Health and Medical Authorities.

CLAUSE 19 I

The Engineer-in-Charge may require the Contractor to dismiss or remove from the site of the work any person or persons in the Contractors' employ upon the work who may be incompetent or misconduct himself and the Contractor shall forthwith comply with such requirements. In respect of

maintenance/ repair or renovation works etc. where the labor have an easy access to the individual houses, the Contractor shall issue identity cards to the laborers, whether temporary or permanent and he shall be responsible for any untoward action on the part of such labour.

CLAUSE 19 J

It shall be the responsibility of the Contractor to see that the building under construction is not occupied by anybody unauthorizedly during construction, and is handed over to the Engineer-in-Charge with vacant possession of complete building. If such building though completed is occupied illegally, then the Engineer-in-Charge shall have the option to refuse to accept the said building/buildings in that position. Any delay in acceptance on this account will be treated as the delay in completion and for such delay, a levy up to 5% of tendered value of work may be imposed by the Engineer-in-Charge /General Manager, NHIDCL whose decision shall be final both with regard to the justification and quantum and be binding on the Contractor.

However, the Engineer-in-Charge/General Manager, NHIDCL, through a notice, may require the Contractor to remove the illegal occupation any time on or before construction and delivery.

CLAUSE 19 K

Employment of skilled/ semi skilled workers

The Contractor shall, at all stages of work, deploy skilled/semi skilled tradesmen who are qualified and possess certificate in particular trade from CPWD Training Institute/Industrial Training Institute/ National Institute of construction Management and Research (NICMAR)/ National Academy of Construction, CIDC or any similar reputed and recognized Institute managed/ certified by State/Central Government. The number of such qualified tradesmen shall not be less than 20% of total skilled/semi skilled workers required in each trade at any stage of work. The Contractor shall submit number of man days required in respect of each trade, its scheduling and the list of qualified tradesmen along with requisite certificate from recognized Institute to Engineer-in-Charge for approval. Notwithstanding such approval, if the tradesmen are found to have inadequate skill to execute the work of respective trade, the Contractor shall substitute such tradesmen within two days of written notice from Engineer-in-Charge. Failure on the part of Contractor to obtain approval of Engineer-in-Charge or failure to deploy qualified tradesmen will attract a compensation to be paid by contractor at the rate specified in schedule-F per such tradesman per day. Decision of Engineer-in-Charge as to whether particular tradesman possesses requisite skill and amount of compensation in case of default shall be final and binding.

Provided always, that the provisions of this clause, shall not be applicable for works with estimated cost put to tender being less than Rs. 5 crores.

For work costing more than Rs. 10 Crores, and upto Rs. 50 Crores, the Contractor shall arrange on site training as per National Skill Development Corporation (NSDC) norms for at least 20% of the unskilled workers engaged in the project in co-ordination with the CPWD Regional Training Institute & National Skill Development Corporation (NSDC) for certification at the level of skilled/semi skilled tradesmen.

For works costing more than Rs. 50 Crores, the Contractor shall arrange on site training as per National Skill Development Corporation (NSDC) norms

for at least 30% of the unskilled worker engaged in the project in co-ordination with the CPWD Regional Training Institute & National Skill Development Corporation (NSDC) for certification at the level of skilled/semi skilled tradesmen. The cost of such training as stated above shall be borne by the Government. The necessary space and workers shall be provided by the Contractor and no claim what so ever shall be entertained.

CLAUSE 19 L

Contribution of EPF and ESI

The ESI and EPF contributions on the part of employer in respect of this Contract shall be paid by the Contractor. These contributions on the part of the employer paid by the Contractor shall be reimbursed by the Engineer-in-Charge to the Contractor on actual basis. The verification of deployment of labour will be done through biometric attendance system or any other suitable method by the Engineer-in-Charge. The applicable and eligible amount of EPF & ESI shall be reimbursed preferably within 7 days but not later than 30 days of submission of documentary proof of payment provided same are in order.

CLAUSE 20

Minimum Wages Act to be complied with

The Contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labor (Regulation and Abolition) Act, 1970, amended from time to time and rules framed there under and other labor laws affecting contract labor that may be brought into force from time to time.

CLAUSE 21

Work not to be sublet: Action in case of insolvency

The Contract shall not be assigned or sublet without the written approval of the Engineer-in-Charge. And if the Contractor shall assign or sublet his Contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the Contractor, or any of his servants or agent to any public officer or person in the employment of NHIDCL in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the Contract, the Engineer-in-Charge on behalf of NHIDCL shall have power to adopt the course specified in Clause 3 hereof in the interest of NHIDCL and in the event of such course being adopted, the consequences specified in the said Clause 3 shall ensue.

CLAUSE 22

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of NHIDCL without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

CLAUSE 23

Changes in firm's Constitution to

Where the Contractor is a partnership firm, the previous approval in writing of the Engineer-in-Charge shall be obtained before any change is made in the constitution of the firm. Where the Contractor is an Individual or a Hindu

be intimidated Undivided Family business concern, such approval as aforesaid shall likewise be obtained before the Contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the Contractor. If previous approval as aforesaid is not obtained, the Contract shall be deemed to have been assigned in contravention of Clause 21 hereof and the same action may be taken, and the same consequences shall ensue as provided in the said Clause 21.

CLAUSE 24

Life Cycle Cost The Contractor shall be responsible for safety, quality and soundness of the buildings including structural elements beyond maintenance period. The Contractor shall have obligation to rectify such defects minimum up to 5 (five) years from the date of completion of work. The defects have to be rectified within a reasonable time not exceeding forty five days after issue of notice by Engineer- in-Charge. If Contractor does not take corrective action within 45 days, then action for debarring of the agency shall be taken by the appropriate authority.

CLAUSE 25

**Settlement of
Disputes &
Arbitration**

25.1 Dispute Resolution

- (i) Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure set forth in Clause 25.2.
- (ii) The Parties agree to use their best efforts for resolving all Disputes arising under or in respect of this Agreement promptly, equitably and in good faith, and further agree to provide each other with reasonable access during normal business hours to all non- privileged records, information and data pertaining to any Dispute.

25.2 Conciliation

In the event of any Dispute between the Parties, either Party may call upon the Project Management Consultant, or such other person as the Parties may mutually agree upon (the "Conciliator") to mediate and assist the Parties in arriving at an amicable settlement thereof. Failing mediation by the Conciliator or without the intervention of the Conciliator, either Party may require such Dispute to be referred to the Managing Director and the head of the firm not less than the rank of Managing Director/Chairman, authorised by the Board of Director of the Contractor for amicable settlement, and upon such reference, the said persons shall meet no later than 7 (seven) business days from the date of reference to discuss and attempt to amicably resolve the Dispute. If such meeting does not take place within the 30 (thirty) business day period or the Dispute is not amicably settled within 30 (thirty) days of the meeting or the Dispute is not resolved as evidenced by the signing of written terms of settlement within 30 (thirty) days of the notice in writing referred to in Clause 25.1.(i) or such longer period as may be mutually agreed by the Parties, either Party may refer the Dispute to arbitration in accordance with the provisions of Clause

25.3 but before resorting to such arbitration, the parties agree to explore conciliation by the Conciliation Committees of Independent Experts set up by the Authority in accordance with the procedure decided by the panel of such experts and notified by the Authority on its website including its subsequent amendments. In the event of the conciliation proceedings being successful, the parties to the dispute would sign the written settlement agreement and the conciliators would authenticate the same. Such settlement agreement would then be binding on the parties in terms of Section 73 of the Arbitration Act. In case of failure of the conciliation process even at the level of the Conciliation Committee, either party may refer the Dispute to arbitration in accordance with the provisions of Clause 25.3.

25.3 Arbitration

- (i) Any dispute which remains unresolved between the parties through the mechanisms available/ prescribed in the Agreement, irrespective of any claim value, which has not been agreed upon/ reached settlement by the parties, will be referred to the Arbitral Tribunal as per the Arbitration and Conciliation Act.
- (ii) The Arbitral Tribunal shall make a reasoned award (the "Award"). Any Award made in any arbitration held pursuant to this Clause 25 shall be final and binding on the Parties as from the date it is made, and the Contractor and the Authority agree and undertake to carry out such Award without delay.
- (iii) The Contractor and the Authority agree that an Award may be enforced against the Contractor and/or the Authority, as the case may be, and their respective assets wherever situated.
- (iv) This Agreement and the rights and obligations of the Parties shall remain in full force and effect, pending the Award in any arbitration proceedings hereunder. Further, the parties unconditionally acknowledge and agree that notwithstanding any dispute between them, each Party shall proceed with the performance of its respective obligations, pending resolution of Dispute in accordance with this Article.
- (v) In the event the Party against whom the Award has been granted challenges the Award for any reason in a court of law, it shall make an interim payment to the other Party for an amount equal to 75% (seventy five per cent) of the Award, pending final settlement of the Dispute. The aforesaid amount shall be paid forthwith upon furnishing an irrevocable Bank Guarantee for a sum equal to 120 % (one hundred and twenty per cent) of the aforesaid amount. Upon final settlement of the Dispute, the aforesaid interim payment shall be adjusted and any balance amount due to be paid or returned, as the case may be, shall be paid or returned with interest calculated at the rate of 10% (ten per cent) per annum from the date of interim payment to the date of final settlement of such balance.

25.4 Adjudication by Regulatory Authority, Tribunal or Commission

In the event of constitution of a statutory regulatory authority, tribunal or commission, as the case may be, with powers to adjudicate upon disputes between the Contractor and the Authority, all Disputes arising after such constitution shall, instead of reference to arbitration under Clause 25.3, be adjudicated upon by such regulatory authority, tribunal or commission in

accordance with the Applicable Law and all references to Dispute Resolution Procedure shall be construed accordingly. For the avoidance of doubt, the Parties hereto agree that the adjudication hereunder shall not be final and binding until an appeal against such adjudication has been decided by an appellate tribunal or court of competent jurisdiction, as the case may be, or no such appeal has been preferred within the time specified in the Applicable Law.

CLAUSE 26

Contractor to indemnify NHIDCL against Patent Rights

The Contractor shall fully indemnify and keep indemnified the NHIDCL against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the Contract. In the event of any claims made under or action brought against NHIDCL in respect of any such matters as aforesaid, the Contractor shall be immediately notified thereof and the Contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise there from, provided that the Contractor shall not be liable to indemnify NHIDCL if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Engineer-in-Charge in this behalf.

CLAUSE 27

Lump sum Provisions in Tender

When the estimate on which a tender is made includes lump sum in respect of parts of the work, the Contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this Contract for such items, or if the part of the work in question is not, in the opinion of the Engineer-in-Charge payable of measurement, the Engineer-in-Charge may at his discretion pay the lump-sum amount entered in the estimate, and the certificate in writing of the Engineer-in-Charge shall be final and conclusive against the Contractor with regard to any sum or sums payable to him under the provisions of the clause.

CLAUSE 28

Action where no Specifications are Specified

In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers' specifications, if not available then as per State/District Specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.

CLAUSE 29

Withholding and lien in respect of sum due from contractor

- (i) Whenever any claim or claims for payment of a sum of money arises out of or under the Contract or against the Contractor, the Engineer-in-Charge or the Department shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the Contractor and for the purpose aforesaid, the Engineer-in-Charge or NHIDCL shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such

claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the Contractor, the Engineer-in-Charge or NHIDCL shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which may at any time thereafter become payable to the Contractor under the same contract or any other Contract with the Engineer-in-Charge of NHIDCL or any contracting person through the Engineer-in-Charge pending finalization of adjudication of any such claim.

It is an agreed term of the Contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Engineer-in-Charge or NHIDCL will be kept withheld or retained as such by the Engineer-in-Charge or NHIDCL till the claim arising out of or under the Contract is determined by the arbitrator (if the contracts governed by the arbitration clause) by the competent court, as the case may be and that the Contractor will have no claim for interest or damages whatsoever on any accounting respect of such withholding or retention under the lien referred to above and duly notified as such to the Contractor. For the purpose of this clause, where the Contractor is a partnership firm or a limited company, the Engineer-in-Charge or NHIDCL shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.

- (ii) NHIDCL shall have the right to cause an audit and technical examination of the works and the final bills of the Contractor including all supporting vouchers, abstract etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the Contractor under the Contract or any work claimed to have been done by him under the Contract and found not to have been executed, the Contractor shall be liable to refund the amount of overpayment and it shall be lawful for NHIDCL to recover the same from him/her in the manner prescribed in sub-clause (i) of this clause or in any other manner legally permissible; and if it is found that the Contractor was paid less than what was due to him under the Contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by NHIDCL to the Contractor, without any interest thereon whatsoever.

Provided that NHIDCL shall not be entitled to recover any sum overpaid, nor the Contractor shall be entitled to payment of any sum paid short where such payment has been agreed upon between the Engineer-in-Charge /General Manager, NHIDCL on the one hand and the Contractor on the other under any term of the Contract permitting payment for work after assessment by the Engineer-in-Charge/ General Manager, NHIDCL.

CLAUSE 29 A

Lien in respect of claims in other Contracts

Any sum of money due and payable to the Contractor (including the security deposit returnable to him) under the Contract may be withheld or retained by way of lien by the Engineer-in-Charge or the Department or any other contracting person or persons through Engineer-in-Charge against

any claim of the Engineer-in-Charge or the Department or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the Contractor with the Engineer-in-Charge or the Department or with such other person or persons. It is an agreed term of the Contract that the sum of money so withheld or retained under this clause by the Engineer-in-Charge or the Department will be kept withheld or retained as such by the Engineer-in-Charge or the Department or till his claim arising out of the same Contract or any other contract is either mutually settled or determined by the arbitration clause or by the competent court, as the case may be and that the Contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the Contractor.

CLAUSE 29 B

Employment of coal mining or controlled area labor not permissible

The Contractor shall not employ coal mining or controlled area labor falling under any category whatsoever on or in connection with the work or recruit labor from area within a radius of 32km (20 miles) of the controlled area. Subject as above the Contractor shall employ imported labor only i.e., deposit imported labor or labor imported by contractors from area, from which import is permitted.

Where ceiling price for imported labor has been fixed by State or Regional Labor Committees not more than that ceiling price shall be paid to the labour by the Contractor.

The Contractor shall immediately remove any laborer who may be pointed out by the Engineer-in-Charge as being a coal mining or controlled area laborer. Failure to do so shall render the Contractor liable to pay to NHIDCL a sum calculated at the rate of Rs.10/- per day per laborer. The certificate of the Engineer-in-Charge about the number of coal mining or controlled area laborer and the number of days for which they worked shall be final and binding upon all parties to this Contract.

It is declared and agreed between the parties that the aforesaid stipulation in this clause is one in which the public are interested within the meaning of the exception in Section 74 of Indian Contract Act, 1872.

Explanation: Controlled Area means the following areas:

Districts of Dhanbad, Hazaribagh, Jamtara - a Sub-Division under Santhal Pargana Commissionery, Districts of Bankura, Birbhum, Burdwan, District of Bilaspur. Any other area which may be declared a Controlled Area by or with the approval of the Central Government.

CLAUSE 30

Water for Works

The Contractor shall make his own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions.

- (i) That the water used by the Contractor shall be fit for construction purposes to the satisfaction of the Engineer-in-Charge.
- (ii) The Engineer-in-Charge shall make alternative arrangements for supply of water at the risk and cost of Contractor if the arrangements made by the Contractor for procurement of water are in the opinion of the Engineer-in-Charge, unsatisfactory.

CLAUSE 30 A

Alternate water Arrangements

The Contractor shall be allowed to construct temporary wells in NHIDCL work site for taking water for construction purposes only after he has got permission of the Engineer-in-Charge in writing. No charges shall be recovered from the Contractor on this account, but the Contractor shall be required to provide necessary safety arrangements to avoid any accidents or damage to adjacent buildings, roads and service lines. He shall be responsible for any accidents or damage caused due to construction and subsequent maintenance of the wells and shall restore the ground to its original condition after the wells are dismantled on completion of the work.

CLAUSE 31

Hire of Plant & Machinery

The Contractor shall arrange at his own expense all tools, plant, machinery and equipment (hereinafter referred to as T&P) required for execution of the work.

CLAUSE 32

Employment of Technical Staff and employees

Contractors Superintendence, Supervision, Technical Staff & Employees

- (i) The Contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the Contract.

The Contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to the Engineer-in-Charge, the name(s), qualifications, experience, age, address(s) and other particulars along with certificates, of the principal technical representative to be in charge of the work and other technical representative(s) who will be supervising the work. Minimum requirement of such technical representative(s) and their qualifications and experience shall not be lower than specified in Schedule-F. Even if the Contractor (or partner(s) in case of firm/company) is himself / herself an Engineer, it is necessary on the part of the Contractor to Employ principal technical representative / technical representative(s) as per stipulation in Schedule-F.

The Engineer-in-Charge shall within 3 days of receipt of such communication intimate in writing his approval or otherwise of such a representative(s) to the Contractor. Any such approval may at any time be withdrawn and in case of such withdrawal, the Contractor shall appoint another such representative(s) according to the provisions of this clause. Decision of the tender accepting authority shall be final and binding on the Contractor in this respect. Such a principal technical representative and other technical representative(s) shall be appointed by the Contractor soon after receipt of the approval from Engineer-in-Charge and shall be available at site before start of work.

All the provisions applicable to the principal technical representative under the Clause will also be applicable to other technical representative(s). The principal technical representative and other technical representative(s) shall be present at the site of work for supervision at all times when any construction activity is in progress and also present himself/themselves, as required, to the Engineer-in-Charge and/or his designated representative to take instructions.

Instructions given to the principal technical representative or other technical representative(s) shall be deemed to have the same force as if these have been given to the contractor. The principal technical representative and other technical representative(s) shall be actually available at site fully during all stages of execution of work, during recording/checking/test checking of measurements of works and whenever so required by the Engineer-in-Charge and shall also note down instructions conveyed by the Engineer-in-Charge or his designated representative(s) in the site order book and shall affix his/their signature in token of noting down the instructions and in token of acceptance of measurements/checked measurements/ test checked measurements. The representative(s) shall not look after any other work. Substitutes, duly approved by Engineer-in-Charge of the work in similar manner as aforesaid shall be provided in event of absence of any of the representative(s) by more than two days.

If the Engineer-in-Charge, whose decision in this respect is final and binding on the Contractor, is convinced that no such technical representative(s) is/are effectively appointed or is/are effectively attending or fulfilling the provision of this clause, a recovery (non-refundable) shall be effected from the Contractor as specified in Schedule-F and the decision of the Engineer-In-Charge as recorded in the site order book and measurement recorded checked/test checked in Measurement Books shall be final and binding on the Contractor. Further if the Contractor fails to appoint suitable technical Principal technical representative and/or other technical representative(s) and if such appointed persons are not effectively present or are absent by more than two days without duly approved substitute or do not discharge their responsibilities satisfactorily, the Engineer-in-Charge shall have full powers to suspend the execution of the work until such date as suitable other technical representative(s) is/are appointed and the Contractor shall be held responsible for the delay so caused to the work. The Contractor shall submit a certificate of employment of the technical representative(s) (in the form of copy of Form-16 or CPF deduction issued to the Engineers employed by him) along with every on account bill/ final bill and shall produce evidence if at any time so required by the Engineer-in-Charge.

- (ii) The Contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work.

The contractor shall provide and employ skilled, semiskilled and unskilled labour as is necessary for proper and timely execution of the work.

The Engineer-in-Charge shall be at liberty to object to and require the Contractor to remove from the works any person who in his opinion misconducts himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Engineer-in-Charge to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer-in-Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.

CLAUSE 33

Levy/Taxes payable by Contractor

- (i) GST, Building and Other Construction Workers Welfare Cess or any other tax, levy or Cess in respect of input for or output by this Contract shall be payable by the Contractor and NHIDCL shall not entertain any claim whatsoever in this respect except as provided under Clause 34.
- (ii) The Contractor shall deposit royalty and obtain necessary permit for supply of the red bajri, stone, kankar, etc. from local authorities.

If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the Government of India and does not any time become payable by the Contractor to the State Government, Local authorities in respect of any material used by the Contractor in the works, then in such a case, it shall be lawful to the Government of India and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the Contractor.

CLAUSE 34

Conditions for reimbursement of levy/taxes if levied after receipt of tenders

- (i) All tendered rates shall be inclusive of any tax, levy or cess applicable on last stipulated date of receipt of tender including extension if any. No adjustment, i.e., increase or decrease shall be made for any variation in the rate of GST, Building and Other Construction Workers Welfare Cess or any tax, levy or cess applicable on inputs.

However, effect of variation in rates of GST or Building and Other Construction Workers Welfare Cess or imposition or repeal of any other tax, levy or cess applicable on output of the works contract shall be adjusted on either side, increase or decrease.

Provided further that for Building and Other Construction Workers Welfare Cess or any tax (other than GST), levy or cess varied or imposed after the last date of receipt of tender including extension if any, any increase shall be reimbursed to the Contractor only if the Contractor necessarily and properly pays such increased amount of taxes/levies/cess.

Provided further that such increase including GST shall not be made in the extended period of contract for which the contractor alone is responsible for delay as determined by authority for extension of time under Clause 5 in Schedule-F.

- (ii) The Contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of the Government and/or the Engineer-in-Charge and shall also furnish such other information/document as the Engineer-in-Charge may require from time to time.
- (iii) The Contractor shall, within a period of 30 days of the imposition of any such further tax or levy or cess, or variation or repeal of such tax or levy or cess give a written notice thereof to the Engineer-in-Charge that the same is given pursuant to this condition, together with all necessary information relating thereto.

CLAUSE 35

Termination of Contract on death of contractor

Without prejudice to any of the rights or remedies under this Contract, if the Contractor dies, the Engineer-in-Charge on behalf of NHIDCL shall have the option of terminating the Contract without compensation to the Contractor.

CLAUSE 36

If relative working in NHIDCL then the contractor not allowed to tender

The Contractor shall not be permitted to tender for works in the NHIDCL responsible for award and execution of contracts in which his near relative is posted as Accountant or as an officer in any capacity between the grades of Superintending Engineer/Equivalent and Junior Engineer/equivalent (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in the NHIDCL or in the Ministry of Road Transport & Highways. Any breach of this condition by the Contractor would render him liable to be removed from the approved list of contractors of NHIDCL. If however the Contractor is registered in any other department, he shall be debarred from tendering in NHIDCL for any breach of this condition.

NOTE: By the term "near relatives" is meant wife, husband, parents and grandparents, children and grand children, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.

CLAUSE 37

No Gazetted Engineer to work as Contractor within one year of retirement

No engineer of gazetted rank or other gazetted officer employed in Engineering or administrative duties in an Engineering department of Govt of India/State or Union Territories/NHIDCL/Any Govt. Organization shall work as a contractor or employee of a contractor for a period of one year after his/her retirement from government service without the previous permission of Government of India/State or Union Territories /NHIDCL/said Govt. Organization in writing. This Contract is liable to be cancelled if either the Contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Government of India/ State or Union Territories /NHIDCL/said Govt. Organization as aforesaid, before submission of the tender or engagement in the Contractor's service, as the case may be.

CLAUSE 38

Theoretical consumption of Material

(i) After completion of the work and also at any intermediate stage in the event of Non-reconciliation of materials issued theoretical quantity of materials used in the work shall be calculated on the basis and method given hereunder:

(a) Quantity of cement & bitumen shall be calculated on the basis of quantity of cement & bitumen required for different items of work as shown in the Schedule of Rates mentioned in Schedule-F. In case any item is executed for which standard constants for the consumption of cement or bitumen are not available in the above mentioned schedule/statement or cannot be derived from the same shall be calculated on the basis of standard formula to be laid down by the Engineer-in-Charge.

(b) Theoretical quantity of steel reinforcement or structural steel

sections shall be taken as the quantity required as per design or as authorized by Engineer-in-Charge, including authorized lappages, chairs etc. plus 3% wastage due to cutting into pieces, such theoretical quantity being determined and compared with the actual, each diameter wise, section wise and category wise separately.

- (c) Theoretical quantity of G.I. & C.I. or other pipes, conduits, wires and cables, pig lead and G.I./M.S. sheets shall be taken as quantity actually required and measured plus 5% for wastage due to cutting into pieces (except in the case of G.I./M.S. sheets it shall be 10%), such determination & comparison being made diameter wise & category wise.

- (d) For any other material as per actual requirements.

Over the theoretical quantities of materials so computed a variation shall be allowed as specified in Schedule-F for non-scheduled items, the decision of the Engineer-in-Charge/General Manager, NHIDCL regarding theoretical quantities of materials which should have been actually used, shall be final and binding on the Contractor.

- (ii) The said action under this clause is without prejudice to the right of the NHIDCL to take action against the Contractor under any other conditions of contract for not doing the work according to the prescribed specifications.

CLAUSE 39

Compensation during warlike situations

The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the Contractor until the work has been delivered to the Engineer-in-Charge and a certificate from him to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operation, the Contractor shall when ordered (in writing) by the Engineer-in-Charge to remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking or removal of serviceable material and for reconstruction of all works ordered by the Engineer-in-Charge, such payments being in addition to compensation upto the value of the work originally executed before being damaged or destroyed and not paid for. In case of works damaged or destroyed but not already measured and paid for, the compensation shall be assessed by the Engineer-in-Charge/General Manager, NHIDCL upto Rs.2,00,000/- and by the next higher officer concerned for a higher amount. The Contractor shall be paid for the damages/destruction suffered and for restoring the material at the rate based on analysis of rates tendered for in accordance with the provision of the Contract. The certificate of the Engineer-in-Charge regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on all parties to this Contract.

Provided always that no compensation shall be payable for any loss in consequence of hostilities or warlike operations (a) unless the Contractor had taken all such precautions against air raid as are deemed necessary

by the A.R.P. (Air Raid precaution) Officers or the Engineer-in-Charge (b) for any material etc. not on the site of the work or for any tools, plant, machinery, scaffolding, temporary building and other things not intended for the work. In the event of the Contractor having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the Engineer-in-Charge/General Manager, NHIDCL.

CLAUSE 40

Apprentices Act provisions to be complied with

The Contractor shall comply with the provisions of the Apprentices Act, 1961 and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the Contract and the Engineer-in-Charge/ General Manager, NHIDCL may, in his discretion, cancel the Contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

CLAUSE 41

Release of Security deposit after labour clearance

Release of Security Deposit of the work shall not be refunded till the Contractor produces a clearance deposit after labor certificate from the Labour Officer. As soon as the work is virtually complete the Contractor shall apply for the clearance certificate to the Labour Officer under intimation to the Engineer-in-Charge. The Engineer-in-Charge, on receipt of the said communication, shall write to the Labour Officer to intimate if any complaint is pending against the Contractor in respect of the work. If no complaint is pending, on record till after 3 months after completion of the work and/or no communication is received from the Labour Officer to this effect till six months after the date of completion, it will be deemed to have received the clearance certificate and the Security Deposit will be released if otherwise due.

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NHIDCL SAFETY CODE

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and hand-hold shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to $1\frac{1}{4}$ horizontal and 1 vertical.)
2. Scaffolding of staging more than 3.6 m (12ft.) above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm. (3ft.) high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.
4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm. (3ft.)
5. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm. (11½") for ladder up to and including 3 m. (10 ft.) in length. For longer ladders, this width should be increased at least $\frac{1}{4}$ " for each additional 30 cm. (1 foot) of length. Uniform step spacing of not more than 30 cm shall be kept. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit; action or proceedings to any such person or which may, with the consent of the contractor, be paid to compensate any claim by any such person.
6. (a) Excavation and Trenching - All trenches 1.2 m. (4ft.) or more in depth, shall at all times be supplied with at least one ladder for each 30 m. (100 ft.) in length or fraction thereof, Ladder shall extend from bottom of the trench to at least 90 cm. (3ft.) above the surface of the ground. The side of the trenches which are 1.5 m. (5ft.) or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 m. (5ft.) of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances, undermining or undercutting shall be done.
(b) Safety Measures for digging bore holes:-
 - (i). If the bore well is successful, it should be safely capped to avoid caving and

collapse of the bore well. The failed and the abandoned ones should be completely refilled to avoid caving and collapse;

- (ii). During drilling, Sign boards should be erected near the site with the address of the drilling contractor and the Engineer in-charge of the work;
- (iii) Suitable fencing should be erected around the well during the drilling and after the installation of the rig on the point of drilling, flags shall be put 50m all-round the point of drilling to avoid entry of people;
- (iv) After drilling the bore well, a cement platform (0.50m x 0.50m x 1.20m) 0.60m above ground level and 0.60m below ground level should be constructed around the well casing;
- (v) After the completion of the bore well, the contractor should cap the bore well properly by welding steel plate, cover the bore well with the drilled wet soil and fix thorny shrubs over the soil. This should be done even while repairing the pump;
- (vi) After the bore well is drilled the entire site should be brought to the ground level.

7. Demolition - Before any demolition work is commenced and also during the progress of the work,

- (i) All roads and open areas adjacent to the work site shall either be closed or suitably protected.
- (ii) No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged.
- (iii) All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.

8. All necessary personal safety equipment as considered adequate by the Engineer-in-Charge should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned: - The following safety equipment shall invariably be provided.

- (i) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
- (ii) Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes shall be provided with protective goggles.
- (iii) Those engaged in welding works shall be provided with welder's protective eye shields.
- (iv) Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- (v) When workers are employed in sewers and manholes, which are in active use, the contractors shall ensure that the manhole covers are opened and ventilated at least for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public. In addition, the contractor shall ensure that the following safety measures are adhered to:
 - (a) Entry for workers into the line shall not be allowed except under supervision of the Sub Engineer or any other higher officer.
 - (b) At least 5 to 6 manholes upstream and downstream should be kept open for

at least 2 to 3 hours before any man is allowed to enter into the manhole for working inside.

- (c) Before entry, presence of Toxic gases should be tested by inserting wet lead acetate paper which changes colour in the presence of such gases and gives indication of their presence.
- (d) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, no Oxygen is found inside the sewer line, workers should be sent only with Oxygen kit.
- (e) Safety belt with rope should be provided to the workers. While working inside the manholes, such rope should be handled by two men standing outside to enable him to be pulled out during emergency.
- (f) The area should be barricaded or cordoned off by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
- (g) No smoking or open flames shall be allowed near the blocked manhole being cleaned.
- (h) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.
- (i) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Engineer-in-Charge may decide the time up to which a worker may be allowed to work continuously inside the manhole.
- (j) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.
- (k) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for, portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 metres away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.
- (l) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing to work in the manhole.
- (m) The workers shall be provided with Gumboots or non-sparking shoes bump helmets and gloves non-sparking tools safety lights and gas masks and portable air blowers (when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.
- (n) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.
- (o) If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him.
- (p) The extent to which these precautions are to be taken depend on individual situation but the decision of the Engineer-in-Charge regarding the steps to be taken in this regard in an individual case will be final.
- (vi) The Contractor shall not employ men and women below the age of 18 years on the

work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following precaution should be taken:-

- (a) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.
 - (b) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scrapped.
 - (c) Overalls shall be supplied by the contractors to the workmen and adequate facilities shall be provided to enable the working painters to wash during and on the cessation of work.
9. The Contractor shall not employ women and men below the age of 18 on the work of painting with product containing lead in any form, wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use:
- (i) White lead, sulphate of lead or product containing these pigment, shall not be used in painting operation except in the form of pastes or paint ready for use.
 - (ii) Measures shall be taken, wherever required in order to prevent danger arising from the application of paint in the form of spray.
 - (iii) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.
 - (iv) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.
 - (v) Overall shall be worn by working painters during the whole of working period.
 - (vi) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled by painting materials.
 - (vii) Cases of lead poisoning and suspected lead poisoning shall be notified and shall be subsequently verified by medical man.
 - (viii) NHIDCL may require, when necessary medical examination of workers at the cost of the Contractor.
 - (ix) Instructions with regard to special hygienic precautions to be taken in the painting trade shall be distributed to working painters.
10. When the work is done near any place where there is risk of drowning, all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision, should be made for prompt first aid treatment of all injuries likely to be obtained during the course of the work.
11. Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following standards or conditions:-
- (i) (a) These shall be of good mechanical construction, sound materials and adequate strength and free from patent defects and shall be kept repaired and in good working order.
 - (b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
 - (ii) Every crane driver or hoisting appliance operator shall be properly qualified and

no person under the age of 21 years should be in charge of any hoisting machine including any scaffolding winch or give signals to operator.

- (iii) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load each safe working load and the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
 - (iv) In case of NHIDCL machines, the safe working load shall be notified by the Electrical Engineer-in-Charge. As regards contractor's machines the contractors shall notify the safe working load of the machine to the Engineer-in-Charge whenever he brings any machinery to site of work and get it verified by the Electrical Engineer concerned.
12. Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load. Adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary should be provided. The worker should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.
 13. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.
 14. These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.
 15. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer or Engineer-in-Charge of the department or their representatives.
 16. Notwithstanding the above clauses from (1) to (15), there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.

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MODEL RULES FOR THE PROTECTION OF HEALTH AND SANITARY ARRANGEMENTS FOR WORKERS EMPLOYED BY NHIDCL OR ITS CONTRACTORS

1. APPLICATION

These rules shall apply to all buildings and construction works in which twenty or more workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress.

2. DEFINITION

Work place means a place where twenty or more workers are ordinarily employed in connection with construction work on any day during the period during which the contract work is in progress.

3. FIRST-AID FACILITIES

(i) At every work place, there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 150 contract labour or part thereof ordinarily employed.

(ii) The first-aid box shall be distinctly marked with a red cross on white back ground and shall contain the following equipment:-

(a) For work places in which the number of contract labour employed does not exceed 50: Each first-aid box shall contain the following equipments:-

1. 6 small sterilised dressings.
2. 3 medium size sterilised dressings.
3. 3 large size sterilised dressings.
4. 3 large sterilised burn dressings.
5. 1 (30 ml.) bottle containing a two per cent alcoholic solution of iodine.
6. 1 (30 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label.
7. 1 snakebite lancet.
8. 1 (30 gms.) bottle of potassium permanganate crystals.
9. 1 pair scissors.
10. 1 copy of the first-aid leaflet issued by the Director General, Factory Advice Service and Labour Institutes, Government of India.
11. 1 bottle containing 100 tablets (each of 5 gms.) of aspirin.
12. Ointment for burns.
13. A bottle of suitable surgical antiseptic solution.

(b) For work places in which the number of contract labour exceed 50.

Each first-aid box shall contain the following equipments.

1. 12 small sterilised dressings.
2. 6 medium size sterilised dressings.
3. 6 large size sterilised dressings.
4. 6 large size sterilised burn dressings.
5. 6 (15 gms.) packets sterilised cotton wool.

6. 1 (60 ml.) bottle containing two per cent alcoholic solution iodine.
 7. 1 (60 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label.
 8. 1 roll of adhesive plaster.
 9. 1 snake bite lancet.
 10. 1 (30 gms.) bottle of potassium permanganate crystals.
 11. 1 pair scissors.
 12. 1 copy of the first-aid leaflet issued by the Director General Factory Advice Service and Labour Institutes /Government of India.
 13. A bottle containing 100 tablets (each of 5 gms.) of aspirin.
 14. Ointment for burns.
 15. A bottle of suitable surgical antiseptic solution.
- (iii) Adequate arrangements shall be made for immediate recoupment of the equipment when necessary.
 - (iv) Nothing except the prescribed contents shall be kept in the First-aid box.
 - (v) The first-aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of the work place.
 - (vi) A person in charge of the First-aid box shall be a person trained in First-aid treatment in the work places where the number of contract labour employed is 150 or more.
 - (vii) In work places where the number of contract labour employed is 500 or more and hospital facilities are not available within easy distance from the works. First-aid posts shall be established and run by a trained compounder. The compounder shall be on duty and shall be available at all hours when the workers are at work.
 - (viii) Where work places are situated in places which are not towns or cities, a suitable motor transport shall be kept readily available to carry injured person or person suddenly taken ill to the nearest hospital.

4. DRINKING WATER

- (i) In every work place, there shall be provided and maintained at suitable places, easily accessible to labour, a sufficient supply of cold water fit for drinking.
- (ii) Where drinking water is obtained from an intermittent public water supply, each work place shall be provided with storage where such drinking water shall be stored.
- (iii) Every water supply or storage shall be at a distance of not less than 50 feet from any latrine drain or other source of pollution. Where water has to be drawn from an existing well which is within such proximity of latrine, drain or any other source of pollution, the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed in and be provided with a trap door which shall be dust and waterproof.
- (iv) A reliable pump shall be fitted to each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done at least once a month.

5. WASHING FACILITIES

- (i) In every work place adequate and suitable facilities for washing shall be provided

and maintained for the use of contract labour employed therein.

- (ii) Separate and adequate cleaning facilities shall be provided for the use of male and female workers.
- (iii) Such facilities shall be conveniently accessible and shall be kept in clean and hygienic condition.

6. LATRINES AND URINALS

- (i) Latrines shall be provided in every work place on the following scale namely:-
 - (a) Where female are employed, there shall be at least one latrine for every 25 females.
 - (b) Where males are employed, there shall be at least one latrine for every 25 males.

Provided that, where the number of males or females exceeds 100, it shall be sufficient if there is one latrine for 25 males or females as the case may be up to the first 100, and one for every 50 thereafter.

- (ii) Every latrine shall be under cover and so partitioned off as to secure privacy, and shall have a proper door and fastenings.
- (iii) Construction of latrines: The inside walls shall be constructed of masonry or some suitable heat-resisting non-absorbent materials and shall be cement washed inside and outside at least once a year, Latrines shall not be of a standard lower than borehole system.
- (iv) (a) Where workers of both sexes are employed, there shall be displayed outside each block of latrine and urinal, a notice in the language understood by the majority of the workers "For Men only" or "For Women Only" as the case may be.
(b) The notice shall also bear the figure of a man or of a woman, as the case may be.
- (v) There shall be at least one urinal for male workers up to 50 and one for female workers up to fifty employed at a time, provided that where the number of male or female workmen, as the case may be exceeds 500, it shall be sufficient if there is one urinal for every 50 males or females up to the first 500 and one for every 100 or part thereafter.
- (vi) (a) The latrines and urinals shall be adequately lighted and shall be maintained in a clean and sanitary condition at all times.
(b) Latrines and urinals other than those connected with a flush sewage system shall comply with the requirements of the Public Health Authorities.
- (vii) Water shall be provided by means of tap or otherwise so as to be conveniently accessible in or near the latrines and urinals.
- (viii) Disposal of excreta: Unless otherwise arranged for by the local sanitary authority, arrangements for proper disposal of excreta by incineration at the work place shall be made by means of a suitable incinerator. Alternately excreta may be disposed of by putting a layer of night soil at the bottom of a pucca tank prepared for the purpose and covering it with a 15cm. layer of waste or refuse and then covering it with a layer of earth for a fortnight (when it will turn to manure).
- (ix) The contractor shall at his own expense, carry out all instructions issued to him by the Engineer-in-Charge to effect proper disposal of night soil and other conservancy work in respect of the contractor's workmen or employees on the site.

The contractor shall be responsible for payment of any charges which may be levied by Municipal or Cantonment Authority for execution of such on his behalf.

7. PROVISION OF SHELTER DURING REST

At every place there shall be provided, free of cost, four suitable sheds, two for meals and the other two for rest separately for the use of men and women labour. The height of each shelter shall not be less than 3 metres (10 ft.) from the floor level to the lowest part of the roof. These shall be kept clean and the space provided shall be on the basis of 0.6 sqm. (6 sft) per head.

Provided that the Engineer-in-Charge may permit subject to his satisfaction, a portion of the building under construction or other alternative accommodation to be used for the purpose.

8. CRECHES

- (i) At every work place, at which 20 or more women worker are ordinarily employed, there shall be provided two rooms of reasonable dimensions for the use of their children under the age of six years. One room shall be used as a play room for the children and the other as their bedroom. The rooms shall be constructed with specifications as per clause 19H (ii) a, b & c.
- (ii) The rooms shall be provided with suitable and sufficient openings for light and ventilation. There shall be adequate provision of sweepers to keep the places clean.
- (iii) The contractor shall supply adequate number of toys and games in the play room and sufficient number of cots and beddings in the bed room.
- (iv) The contractor shall provide one ayaa to look after the children in the creche when the number of women workers does not exceed 50 and two when the number of women workers exceeds 50.
- (v) The use of the rooms earmarked as creches shall be restricted to children, their attendants and mothers of the children.

9. CANTEENS

- (i) In every work place where the work regarding the employment of contract labour is likely to continue for six months and where in contract labours numbering one hundred or more are ordinarily employed, an adequate canteen shall be provided by the contractor for the use of such contract labour.
- (ii) The canteen shall be maintained by the contractor in an efficient manner.
- (iii) The canteen shall consist of at least a dining hall, kitchen, store room, pantry and washing places separately for workers and utensils.
- (iv) The canteen shall be sufficiently lighted at all times when any person has access to it.
- (v) The floor shall be made of smooth and impervious materials and inside walls shall be lime washed or colour washed at least once in each year. Provided that the inside walls of the kitchen shall be lime-washed every four months.
- (vi) The premises of the canteen shall be maintained in a clean and sanitary condition.
- (vii) Waste water shall be carried away in suitable covered drains and shall not be allowed to accumulate so as to cause a nuisance.
- (viii) Suitable arrangements shall be made for the collection and disposal of garbage.
- (ix) The dining hall shall accommodate at a time 30 per cent of the contract labour working at a time.

- (x) The floor area of the dining hall, excluding the area occupied by the service counter and any furniture except tables and chairs shall not be less than one square metre (10 sft) per diner to be accommodated as prescribed in sub-Rule 9.
- (xi) (a) A portion of the dining hall and service counter shall be partitioned off and reserved for women workers in proportion to their number.
(b) Washing places for women shall be separate and screened to secure privacy.
- (xii) Sufficient tables stools, chair or benches shall be available for the number of diners to be accommodated as prescribed in sub-Rule 9.
- (xiii) (a) 1. There shall be provided and maintained sufficient utensils crockery, furniture and any other equipment necessary for the efficient running of the canteen.
2. The furniture utensils and other equipment shall be maintained in a clean and hygienic condition.
(b) 1. Suitable clean clothes for the employees serving in the canteen shall be provided and maintained.
2. A service counter, if provided, shall have top of smooth and impervious material.
3. Suitable facilities including an adequate supply of hot water shall be provided for the cleaning of utensils and equipments.
- (xiv) The food stuffs and other items to be served in the canteen shall be in conformity with the normal habits of the contract labour.
- (xv) The charges for food stuffs, beverages and any other items served in the canteen shall be based on 'No profit, No loss' and shall be conspicuously displayed in the canteen.
- (xvi) In arriving at the price of foodstuffs, and other article served in the canteen, the following items shall not be taken into consideration as expenditure namely:-
(a) The rent of land and building.
(b) The depreciation and maintenance charges for the building and equipments provided forth canteen.
(c) The cost of purchase, repairs and replacement of equipments including furniture, crockery, cutlery and utensils.
(d) The water charges and other charges incurred for lighting and ventilation.
(e) The interest and amounts spent on the provision and maintenance of equipments provided for the canteen.
- (xvii) The accounts pertaining to the canteen shall be audited once every 12 months by registered accountants and auditors.

10. ANTI-MALARIAL PRECAUTIONS

The contractor shall at his own expense, conform to all anti-malarial instructions given to him by the Engineer-in-Charge including the filling up of any borrow pits which may have been dug by him.

- 11.** The above rules shall be incorporated in the contracts and in notices inviting tenders and shall form an integral part of the contracts.

12. AMENDMENTS

NHIDCL may, from time to time, add to or amend these rules and issue directions - it may consider necessary for the purpose of removing any difficulty which may arise in the administration thereof.

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NHIDCL CONTRACTOR'S LABOUR REGULATIONS

1. SHORT TITLE

These regulations may be called the NHIDCL Contractors Labour Regulations.

2. DEFINITIONS

- i) **Workman** means any person employed by NHIDCL or its contractor directly or indirectly through a subcontractor with or without the knowledge of the NHIDCL to do any skilled, semiskilled or unskilled manual, supervisory, technical or clerical work for hire or reward, whether the terms of employment are expressed or implied but does not include any person:-
 - a) Who is employed mainly in a managerial or administrative capacity: or
 - b) Who, being employed in a supervisory capacity draws wages exceeding five hundred rupees per mensem or exercises either by the nature of the duties attached to the office or by reason of powers vested in him, functions mainly of managerial nature: or
 - c) Who is an out worker, that is to say, person to whom any article or materials are given out by or on behalf of the principal employers to be made up cleaned, washed, altered, ornamental finished, repaired adopted or otherwise processed for sale for the purpose of the trade or business of the principal employers and the process is to be carried out either in the home of the out worker or in some other premises, not being premises under the control and management of the principal employer.

No person below the age of 14 years shall be employed to act as a workman.
- ii) **Fair Wages** means wages whether for time or piece work fixed and notified under the provisions of the Minimum Wages Act from time to time.
- iii) **Contractors** shall include every person who undertakes to produce a given result other than a mere supply of goods or articles of manufacture through contract labour or who supplies contract labour for any work and includes a subcontractor.
- iv) **Wages** shall have the same meaning as defined in the Payment of Wages Act.

- 3. i) Normally working hours of an adult employee should not exceed 9 hours a day. The working day shall be so arranged that inclusive of interval for rest, if any, it shall not spread over more than 12 hours on any day.
- ii) When an adult worker is made to work for more than 9 hours on any day or for more than 48 hours in any week, he shall be paid over time for the extra hours put in by him at double the ordinary rate of wages.
- iii)
 - a) Every worker shall be given a weekly holiday normally on a Sunday, in accordance with the provisions of the Minimum Wages (Central) Rules 1960 as amended from time to time irrespective of whether such worker is governed by the Minimum Wages Act or not.
 - b) Where the minimum wages prescribed by the Government under the Minimum Wages Act are not inclusive of the wages for the weekly day of rest, the worker shall be entitled to rest day wages at the rate applicable to the next preceding day, provided he has worked under the same contractor

for a continuous period of not less than 6 days.

- c) Where a contractor is permitted by the Engineer-in-Charge to allow a worker to work on a normal weekly holiday, he shall grant a substituted holiday to him for the whole day on one of the five days immediately before or after the normal weekly holiday and pay wages to such worker for the work performed on the normal weekly holiday at overtime rate.

4. DISPLAY OF NOTICE REGARDING WAGES ETC

The contractor shall before he commences his work on contract, display and correctly maintain and continue to display and correctly maintain in a clear and legible condition in conspicuous places on the work, notices in English and in the local Indian languages spoken by the majority of the workers giving the minimum rates of wages fixed under Minimum Wages Act, the actual wages being paid, the hours of work for which such wage are earned, wages periods, dates of payments of wages and other relevant information as per Appendix 'III'.

5. PAYMENT OF WAGES

- i) The contractor shall fix wage periods in respect of which wages shall be payable.
- ii) No wage period shall exceed one month.
- iii) The wages of every person employed as contract labour in an establishment or by a contractor where less than one thousand such persons are employed shall be paid before the expiry of seventh day and in other cases before the expiry of tenth day after the last day of the wage period in respect of which the wages are payable.
- iv) Where the employment of any worker is terminated by or on behalf of the contractor the wages earned by him shall be paid before the expiry of the second working day from the date on which his employment is terminated.
- v) All payment of wages shall be made on a working day at the work premises and during the working time and on a date notified in advance and in case the work is completed before the expiry of the wage period, final payment shall be made within 48 hours of the last working day.
- vi) Wages due to every worker shall be paid to him direct by contractor through Bank or ECS or online transfer to his bank account.
- vii) All wages shall be paid current coin or currency or in both.
- viii) Wages shall be paid without any deductions of any kind except those specified by the Central Government by general or special order in this behalf or permissible under the Payment of Wages Act 1956.
- ix) A notice showing the wages period and the place and time of disbursement of wages shall be displayed at the place of work and a copy sent by the contractor to the Engineer-in-Charge under acknowledgment.
- x) It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labour.
- xi) The contractor shall obtain from the Sub Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage-cum-Muster Roll" as the case may be in the following form:

"Certified that the amount shown in column No. _____ has been paid to the workman concerned through bank account of labour on _____ at _____."

6. FINES AND DEDUCTIONS WHICH MAY BE MADE FROM WAGES

- (i) The wages of a worker shall be paid to him without any deduction of any kind except the following:
 - (a) Fines
 - (b) Deductions for absence from duty i.e. from the place or the places where by the terms of his employment he is required to work. The amount of deduction shall be in proportion to the period for which he was absent.
 - (c) Deduction for damage to or loss of goods expressly entrusted to the employed person for custody, or for loss of money or any other deduction which he is required to account, where such damage or loss is directly attributable to his neglect or default.
 - (d) Deduction for recovery of advances or for adjustment of overpayment of wages, advances granted shall be entered in a register.
 - (e) Any other deduction which the Central Government may from time to time allow.
- (ii) No fines should be imposed on any worker save in respect of such acts and omissions on his part as have been approved of by the Chief Labour Commissioner.

Note: An approved list of Acts and Omissions for which fines can be imposed is enclosed at Appendix-X
- (iii) No fine shall be imposed on a worker and no deduction for damage or loss shall be made from his wages until the worker has been given an opportunity of showing cause against such fines or deductions.
- (iv) The total amount of fine which may be imposed in any one wage period on a worker shall not exceed an amount equal to three paise in a rupee of the total wages, payable to him in respect of that wage period.
- (v) No fine imposed on any worker shall be recovered from him by instalment, or after the expiry of sixty days from the date on which it was imposed.
- (vi) Every fine shall be deemed to have been imposed on the day of the act or omission in respect of which it was imposed.

7. LABOUR RECORDS

- (i) The contractor shall maintain a **Register of persons employed** on work on contract in Form XIII of the CL (R&A) Central Rules 1971 (Appendix IV)
- (ii) The contractor shall maintain a **Muster Roll** register in respect of all workmen employed by him on the work under Contract in Form XVI of the CL (R&A) Rules 1971 (Appendix V).
- (iii) The contractor shall maintain a **Wage Register** in respect of all workmen employed by him on the work under contract in Form XVII of the CL (R&A) Rules 1971 (Appendix VI).
- (iv) **Register of accident** - The contractor shall maintain a register of accidents in such form as maybe convenient at the work place but the same shall include the following particulars:
 - a) Full particulars of the labourers who met with accident.
 - b) Rate of Wages.

- c) Sex
- d) Age
- e) Nature of accident and cause of accident.
- f) Time and date of accident.
- g) Date and time when admitted in Hospital,
- h) Date of discharge from the Hospital.
- i) Period of treatment and result of treatment.
- j) Percentage of loss of earning capacity and disability as assessed by Medical Officer.
- k) Claim required to be paid under Workmen's Compensation Act.
- l) Date of payment of compensation.
- m) Amount paid with details of the person to whom the same was paid.
- n) Authority by whom the compensation was assessed.
- o) Remarks
- v) The contractor shall maintain a **Register of Fines** in the Form XII of the CL (R&A) Rules 1971 (Appendix-XI). The contractor shall display in a good condition and in a conspicuous place of work the approved list of acts and omissions for which fines can be imposed (Appendix-X).
- vi) The contractor shall maintain a **Register of deductions for damage or loss** in Form XX of the CL (R&A) Rules 1971 (Appendix-XII).
- vii) The contractor shall maintain a **Register of Advances** in Form XXIII of the CL (R&A) Rules 1971 (Appendix-XIII).
- viii) The contractor shall maintain a **Register of Overtime** in Form XXIII of the CL (R&A) Rules 1971 (Appendix-XIV).

8. ATTENDANCE CARD-CUM-WAGE SLIP

- i) The contractor shall issue an **Attendance card-cum-wage slip** to each workman employed by him in the specimen format (Appendix-VII)
- ii) The card shall be valid for each wage period.
- iii) The contractor shall mark the attendance of each workman on the card twice each day, once at the commencement of the day and again after the rest interval, before he actually starts work.
- iv) The card shall remain in possession of the worker during the wage period under reference.
- v) The contractor shall complete the wage slip portion on the reverse of the card at least a day prior to the disbursement of wages in respect of the wage period under reference.
- vi) The contractor shall obtain the signature or thumb impression of the worker on the wage slip at the time of disbursement of wages and retain the card with himself.

9. EMPLOYMENT CARD

The contractor shall issue an **Employment Card** in Form XIV of the CL (R&A) Central Rules 1971 to each worker within three days of the employment of the worker (Appendix-VIII).

10. SERVICE CERTIFICATE

On termination of employment for any reason whatsoever the contractor shall issue to the workman whose services have been terminated, a **Service certificate** in Form XV of the CL (R&A) Central Rules 1971 (Appendix-IX)

11. PRESERVATION OF LABOUR RECORDS

All records required to be maintained under Regulations Nos. 6 & 7 shall be preserved in original for a period of three years from the date of last entries made in them and shall be made available for inspection by the Engineer-in-Charge or Labour Officer or any other officers authorised by the Ministry of Urban Development in this behalf.

12. POWER OF LABOUR OFFICER TO MAKE INVESTIGATIONS OR ENQUIRY

The Labour Officer or any person authorised by Central Government on their behalf shall have power to make enquires with a view to ascertaining and enforcing due and proper observance of Fair Wage Clauses and the Provisions of these Regulations. He shall investigate into any complaint regarding the default made by the contractor or subcontractor in regard to such provision.

13. REPORT OF LABOUR OFFICER

The Labour Officer or other persons authorised as aforesaid shall submit a report of result of his investigation or enquiry to the Engineer-in-Charge, NHIDCL concerned indicating the extent, if any, to which the default has been committed with a note that necessary deductions from the contractor's bill be made and the wages and other dues be paid to the labourers concerned. In case an appeal is made by the contractor under Clause 13 of these regulations, actual payment to labourers will be made by the Engineer-in-Charge after the General Manager, NHIDCL has given his decision on such appeal.

- i) The Engineer-in-Charge, NHIDCL shall arrange payments to the labour concerned within 45 days from the receipt of the report from the Labour Officer or the General Manager, NHIDCL as the case may be.

14. APPEAL AGAINST THE DECISION OF LABOUR OFFICER

Any person aggrieved by the decision and recommendations of the Labour Officer or other person so authorised may appeal against such decision to the General Manager, NHIDCL concerned within 30 days from the date of decision, forwarding simultaneously a copy of his appeal to the Engineer-in-Charge, NHIDCL concerned but subject to such appeal, the decision of the officer shall be final and binding upon the contractor.

15. PROHIBITION REGARDING REPRESENTATION THROUGH LAWYER

- i) A workman shall be entitled to be represented in any investigation or enquiry under these regulations by:
 - a) An officer of a registered trade union of which he is a member.
 - b) An officer of a federation of trade unions to which the trade union referred to in clause (a) is affiliated.

- c) Where the employer is not a member of any registered trade union, by an officer of a registered trade union, connected with the industry in which the worker is employed or by any other workman employed in the industry in which the worker is employed.
- ii) An employer shall be entitled to be represented in any investigation or enquiry under these regulations by:
 - a) An officer of an association of employers of which he is a member.
 - b) An officer of a federation of associations of employers to which association referred to in clause (a) is affiliated.
 - c) Where the employers is not a member of any association of employers, by an officer of association of employer connected with the industry in which the employer is engaged or by any other employer, engaged in the industry in which the employer is engaged.
- (iii) No party shall be entitled to be represented by a legal practitioner in any investigation or enquiry under these regulations.

16. INSPECTION OF BOOKS AND SLIPS

The contractor shall allow inspection of all the prescribed labour records to any of his workers or to his agent at a convenient time and place after due notice is received or to the Labour Officer or any other person, authorised by the Central Government on his behalf.

17. SUBMISSIONS OF RETURNS

The contractor shall submit periodical returns as may be specified from time to time.

18. AMENDMENTS

The Central Government may from time to time add to or amend the regulations and on any question as to the application/Interpretation or effect of those regulations the decision of the General Manager, NHIDCL concerned shall be final.

-XXXXX-

REGISTER OF MATERNITY BENEFITS (Clause 19 F)

Name and address of the contractor: _____

Name and location of the work: _____

Name of the Employee	Father's / Husband's Name	Nature of Employment	Period of Actual employment	Date on which notice of confinement given
1	2	3	4	5

Date on which maternity leave commenced and ended

Date of Delivery/ miscarriage	In case of delivery		In case of miscarriage	
	Commenced	Ended	Commenced	Ended
6	7	8	9	10

Leave pay paid to the employee

In case of delivery		In case of miscarriage		Remarks
Commenced	Ended	Commenced	Ended	
11	12	13	14	15

**SPECIMEN FORM OF THE REGISTER, REGARDING MATERNITY BENEFIT ADMISSIBLE TO
THE CONTRACTOR'S LABOUR.**

Name and address of the contractor: _____

Name and location of the work: _____

1. Name of the woman and her husband's name.
2. Designation.
3. Date of appointment.
4. Date with months and years in which she is employed.
5. Date of discharge/dismissal, if any.
6. Date of production of certificates in respect of pregnancy.
7. Date on which the woman informs about the expected delivery.
8. Date of delivery/miscarriage/death
9. Date of production of certificate in respect of delivery/miscarriage.
10. Date with the amount of maternity/death benefit paid in advance of expected delivery.
11. Date with amount of subsequent payment of maternity benefit.
12. Name of the person nominated by the woman to receive the payment of the maternity benefit after her death.
13. If the woman dies, the date of her death, the name of the person to whom maternity benefit amount was paid, the month thereof and the date of payment.
14. Signature of the contractor authenticating entries in the register.
15. Remarks column for the use of Inspecting Officer.

Labour Board

Name of work: _____

Name of Contractor: _____

Address of Contractor: _____

Name and address of NHIDCL Division/Unit: _____

Name of Labour Enforcement Officer: _____

Address of Labour Enforcement Officer: _____

Sl. No	Category	Minimum wage fixed	Actual wage paid	Number present	Remarks

Weekly holiday: _____

Wage period: _____

Date of payment of wages: _____

Working hours: _____

Rest interval: _____

Form-XIII (See Rule 75)

Register of Workmen Employed by Contractor

Name and address of contractor _____

Name and address of establishment under which contract is carried on _____

Nature and location of work _____

Name and address of Principal Employer _____

Sl. No	Name and Surname of workman	Age and Sex	Father's / Husband's name	Nature of employment/ designation	Permanent home address of the Workman (Village and Tehsil, Taluk and District)	Local address	Date of commencement of employment	Signature or thumb impression of the workman	Date of termination of employment	Reasons for terminations	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

Form-XVI (See Rule 78(2)(a))

Muster Roll

Name and address of contractor _____

Name and address of establishment under which contract is carried on _____

Nature and location of work _____

Name and address of Principal Employer _____ For the Month of fortnight _____

Sl. No.	Name	Father's/ Husband's Name	S e x	Nature of Work	For the period ending																															Remarks
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	

Form-XVII (See Rule 78(2)(a))

Register of wages

Name and address of contractor _____

Name and address of establishment under which contract is carried on _____

Nature and location of work _____

Name and address of Principal Employer _____ Period: Monthly / Fortnight

Sl. No.	Name of Workman	Sl. No. in the register of Workmen	Designation / nature of work done	No. of days worked	Units of work done	Daily rate of wages / pieces rate	Amount of Wages earned					Deductions, if any (indicate nature)				Net Amount Paid	Signature / Thumb impression of Workmen	Initial of the Contract or or the representative
							Basic wages	Dearness Allowance	Overtime	Other Cash payments (indicate)	Total	P.F.	E.S.I.	Other Deductions, if any	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Appendix 'VII'

Wage Card No. _____

Wage Card

Name and address of contractor _____

Date of Issue _____

Name and address of establishment under which contract is carried on _____

Designation _____

Nature and location of work _____

Month/Fortnight _____

Name and address of Principal Employer _____

Rate of Wages _____

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Morning

Rate

Evening

Amount

Initial

Received from _____ the sum of Rs. _____ on account of my wags

Signature .

The Wage Card is valid for one month from the date of issue

Form-XIX

[See rule 78 (2)(b)]

Wages Slip

Name and address of contractor: _____

Name and Father's/Husband's name of workman: _____

Nature and location of work: _____

For the Week/Fortnight/Month ending: _____

1. No. of days worked: _____

2. No. of units worked in case of piece rate workers: _____

3. Rate of daily wages/piece rate : _____

4. Amount of overtime wages: _____

5. Gross wages payable: _____

6. Deduction, if any: _____

7. Net amount of wages paid: _____

Initials of the contractor or his representative

Form-XIV

[See rule 76]

Employment Card

Name and address of contractor:	_____
Name and address of establishment under which contract is carried on:	_____
Name of work and location of work:	_____
Name and address of Principal Employer:	_____
1. Name of the workman:	_____
2. Sl. No. in the register of workman employed:	_____
3. Nature of employment/designation:	_____
4. Wage rate (with particulars of unit in case of piece work):	_____
5. Wage period:	_____
6. Tenure of employment:	_____
7. Remarks:	_____

Signature of contractor

(See Rule 77)

Service Certificate

Name and address of contractor _____

Nature and location of work _____

Name and address of workman _____

Age or date of birth _____

Identification marks _____

Father's/Husband's name _____

Name and address of establishment in under which contract is carried on _____

Sl. No	Total Period for which employed		Nature of Work Done	Rate of wages (with particulars of unit in case of piece work)	Remarks
	From	To			
1	2	3	4	5	6

LIST OF ACTS AND OMISSIONS FOR WHICH FINES CAN BE IMPOSED

In accordance with rule 7(v) of the Contractor's Labour Regulations to be displayed prominently at the site of work both in English and local Language.

1. Willful insubordination or disobedience, whether alone or in combination with other.
2. Theft fraud or dishonesty in connection with the contractors beside a business or property of NHIDCL.
3. Taking or giving bribes or any illegal gratifications
4. Habitual late attendance.
5. Drunkenness lighting, riotous or disorderly or indifferent behaviour
6. Habitual negligence.
7. Smoking near or around the area where combustible or other materials are locked
8. Habitual indiscipline.
9. Causing damage to work in the progress or to property of the NHIDCL or of the contractor.
10. Sleeping on duty.
11. Malingering or slowing down work.
12. Giving of false information regarding name, age father's name, etc.
13. Habitual loss of wage cards supplied by the employers.
14. Unauthorised use of employer's property of manufacturing or making of unauthorised particles at the work place.
15. Bad workmanship in construction and maintenance by skilled workers which is not approved by the Department and for which the contractors are compelled to undertake rectifications.
16. Making false complaints and/or misleading statements.
17. Engaging on trade within the premises of the establishments.
18. Any unauthorised divulgence of business affairs of the employees.
19. Collection or canvassing for the collection of any money within the premises of an establishment unless authorised by the employer.
20. Holding meeting inside the premises without previous sanction of the employers.
21. Threatening or intimidating any workman or employer during the working hours within the premises.

Form XII (See Rule 78(2) (d))

Register of Fines

Name and address of contractor _____

Name and address of establishment in under which contract is carried on _____

Nature and location of work _____

Name and address of Principal Employer _____

Sl. No.	Name of workman	Father's/ Husband's name	Designation/ nature of employment	Act/Omission for which fine imposed	Date of Offence	Whether workman showed cause against fine	Name of person in whose presence employee's explanation was heard	Wage period and wages payable	Amount of fine imposed	Date on which fine realised	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

Form-XX

(See Rule 78(2) (d))

Register of Deduction for Damage or Loss

Name and address of contractor _____

Name and address of establishment in under which contract is carried on _____

Nature and location of work _____

Name and address of Principal Employer _____

Sl. No.	Name of Workman	Father's/ Husband's name	Designation/ nature of employment	Particulars of damage or loss	Date of damage or loss	Whether workman showed cause against deduction	Name of person in whose presence employee's explanation was heard	Amount of deduction imposed	No.of installments	Date of recovery		Remark
										First install-ment	Last install-ment	
1	2	3	4	5	6	7	8	9	10	11	12	13

Form-XXII (See Rule 78(2) (d))

Register of Advances

Name and address of contractor _____

Name and address of establishment in under which contract is carried on _____

Nature and location of work _____

Name and address of Principal Employer _____

Sl. No.	Name of workman	Father's/ Husband name	Designation/ nature of employment	Wage Period and wages payable	Date and amount of advance given	Purpose(s) for which advance made	Number of installments by which advance to be repaid	Date and amount of each installment repaid	Date and which last installment was repaid	Remarks
1	2	3	4	5	6	7	8	9	10	11

Form-XXIII (See Rule 78(2) (e))

Register of Overtime

Name and address of contractor _____

Name and address of establishment in under which contract is carried on _____

Nature and location of work _____

Name and address of Principal Employer _____

Sl. No.	Name of Workman	Father's/ Husband's name	Sex	Designation/ nature of employment	Date on which Overtime worked	Total overtime worked or production in case of piece rated	Normal rate of wages	Overtime rate of wages	Overtime earning	Rate on which overtime paid	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

INDENTURE FOR SECURED ADVANCES

(For use in cases in which the Contract is for finished work and the Contractor has entered into an agreement for the execution of certain specified quantity of work in a given time)

THIS INDENTURE made the _____ day of _____ 20____ BETWEEN _____ (hereinafter called the Contractor which expression shall where the context so admits or implies be deemed to include his executors administrators and assigns) of the one part and the President of India through National Highways & Infrastructure Development Corporation Limited, New Delhi (NHIDCL) (hereinafter called the Employer which expression shall where the context so admits or implies be deemed to include his successors in office and assigns) of the other part.

WHEREAS by an agreement dated _____ (hereinafter called the said agreement) the Contractor has agreed AND WHEREAS the Contractor has applied to the Employer that he may be allowed advances on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement for use in the construction of such of the works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labor and other charges) AND WHEREAS the Employer has agreed to advance to the Contractor the sum of Rupees _____ on the security of materials the quantities and other particulars of which are detailed in Accounts of Secured Advances attached to the Running Account Bill for the said works signed by the Contractor on _____ and the Employer has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said works. Now THIS INDENTURE WITNESSED that in pursuance of the said agreement and in consideration of the sum of Rupees _____ on or before the execution of these presents paid to the Contractor by the Employer (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid the Contractor doth hereby covenant and agree with the Employer and declare as follows: -

- (1) That the said sum of Rupees _____ so advanced by the Employer to the Contractor as aforesaid and all or any further sum or sums advanced as aforesaid shall be employed by the Contractor in or towards expediting the execution of the said works and for no other purpose whatsoever.
- (2) That the materials detailed in the said Account of Secured Advances which have been offered to and accepted by Employer as security are absolutely the Contractor's own property and free from encumbrances of any kind and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnifies the Employer against all claims to any materials in respect of which an advance has been made to him as aforesaid.
- (3) That the materials detailed in the said Account of Secured Advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Project Manager, NHIDCL (hereinafter called the Engineer-in-Charge) and in the term of the said agreement.
- (4) That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said

works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Engineer-in-Charge or any officer authorized by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof the Contractor will forthwith replace the same with other materials of like quality or repair and make good the same as required by the Engineer-in-Charge.

- (5) That the said materials shall not on any account be removed from the site of the said works except with the written permission of the Engineer-in-Charge or an officer authorised by him on that behalf.
- (6) That the advances shall be repayable in full when or before the Contractor receives payment from the Employer of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done than on the occasion of each such payment the Employer will be at liberty to make a recovery from the Contractor's bill for such payment by deducting there from the value of the said materials then actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.
- (7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the Employer shall immediately on the happening of such default be repayable by the Contractor to the Employer together with interest thereon at **twelve per cent per annum** from the date or respective dates of such advance or advances to the date of repayment and with all costs charges, damages and expenses incurred by the Employer in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the Employer to repay and pay the same respectively to him accordingly.
- (8) That the Contractor hereby charges all the said materials with the repayment to the Employer of the said sum of Rupees _____ and any further sum or sums advanced as aforesaid and all costs charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the powers contained therein if and whenever the covenant for payment and repayment herein before contained shall become enforceable and the money owing shall not be paid in accordance therewith the Employer may at any time thereafter adopt all or any of the following courses as he may deem best:
 - (a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion and the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay same to the Employer on demand.
 - (b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the Employer under these presents and pay over the surplus (if any) to the Contractor.
 - (c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.
- (9) That except in the event of such default on the part of the Contractor as aforesaid interest on the said advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been herein before expressly provided for the same shall be finally resolved **as per provisions of clause 25 of the Contract.**

In witness whereof the said _____ and _____ have hereunto set their respective hands the day and year first above written.

Signed, sealed and delivered by _____

The said contractor in the presence of

Signature _____

Witness Name _____

Address _____

Signed by _____

For and on behalf of NHIDCL

in the presence of

Signature _____

Witness Name _____

Address _____

FORM OF APPLICATION BY THE CONTRACTOR FOR SEEKING EXTENSION OF TIME

1. Name of contractor
2. Name of work as given in the agreement
3. Agreement no
4. Estimated amount put tender
5. Date of commencement of work as per agreement
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Period for which extension of time if has been given by authority in Schedule-F previously

	Letter no. and date	Extension granted
Months	Days	
(a) 1st extension:		
(b) 2nd extension:		
(c) 3rd extension:		
(d) 4th extension:		
(e) Total extension previously given:		

9. Reasons for which extension have been previously given (copies of the previous applications should be attached)
10. Period for which extension if applied for
11. Hindrances on account of which extension is applied for with dates on which hindrances occurred and the period for which these are likely to last (for causes under clause 5.2/ and 5.3).
12. Extension of Time required for extra work
13. Details of Extra work and the amount involved:-
 - a. Total value of extra work
 - b. Proportionate period of extension of time based on estimated amount put to tender on account of extra work.
14. Total extension of time required for S. No. 11 & 12 above.

Submitted to the Authority indicated in Schedule-F with copy to the Engineer-in-Charge

Signature of Contractor

Dated

NOTICE FOR APPOINTMENT OF ARBITRATOR

[Refer Clause 25]

To

Managing Director
National Highways Infrastructure Development Corporation Ltd.
PTI Building, 4 Parliament Street, New Delhi, 110001

Dear Sir,

In terms of clause 25 of the agreement, particulars of which are given below, I/we hereby give notice to you to appoint an arbitrator for settlement of disputes mentioned below:

1. Name of applicant
2. Whether applicant is Individual/Prop. Firm/Partnership Firm/Ltd Co.
3. Full address of the applicant
4. Name of the work and contract number in which arbitration sought
5. Name of the Division/Unit which entered into contract
6. Contract amount in the work
7. Date of contract
8. Date of initiation of work
9. Stipulated date of completion of work
10. Actual date of completion of work (if completed)
11. Total number of claims made
12. Total amount claimed
13. Date of intimation of final bill (if work is completed)
14. Date of payment of final bill (if work is completed)
15. Amount of final bill (if work is completed)
16. Date of request made to GM for decision
17. Date of receipt of GM's decision
18. Date of appeal to you
19. Date of receipt of your decision.

Specimen signatures of the applicant
(only the person/authority who signed
the contract should sign)

I/We certify that the information given above is true to the best of my/our knowledge. I / We enclose following documents.

1. Statement of claims with amount of claims.
- 2.
- 3.
- 4.

Yours faithfully,
(Signatures)

Copy in duplicate to:

1. General Manager, NHIDCL, New Delhi

FORM OF BANK GUARANTEE
[Performance Security/Additional Performance Security]

To

National Highways & Infrastructure Development Corporation Ltd
3rd Floor, PTI Building, Sansad Marg,
New Delhi

WHEREAS _____[name and address of Contractor] (hereafter called the "Contractor") has undertaken, in pursuance of Letter of Acceptance (LOA) No. Dated _____ for construction of [name of the Project] (hereinafter called the "Contract")

AND WHEREAS the Contract requires the Contractor to furnish an {Performance Security/ Additional Performance Security} for due and faithful performance of its obligations, under and in accordance with the Contract, during the {Construction Period/ Defects Liability Period and Maintenance Period} in a sum of Rs..... cr. (Rupees crore) (the "**Guarantee Amount**"¹).

AND WHEREAS we, through our branch at (the "**Bank**") have agreed to furnish this Bank Guarantee (hereinafter called the "**Guarantee**") by way of Performance Security

NOW, THEREFORE, the Bank hereby, unconditionally and irrevocably, guarantees and affirms as follows:

1. The Bank hereby unconditionally and irrevocably guarantees the due and faithful performance of the Contractor's obligations during and under and in accordance with the Agreement, and agrees and undertakes to pay to the Authority, upon its mere first written demand, and without any demur, reservation, recourse, contest or protest, and without any reference to the Contractor, such sum or sums up to an aggregate sum of the guarantee amount as the Authority shall claim, without the Authority being required to prove or to show grounds or reasons for its demand and/or for the sum specified therein.
2. A letter from the Authority, under the hand of an officer not below the rank of [General Manager, NHIDCL], that the Contractor has committed default in the due and faithful performance of all or any of its obligations under and in accordance with the Agreement shall be conclusive, final and binding on the Bank. The Bank further agrees that the Authority shall be the sole judge as to whether the Contractor is in default in due and faithful performance of its obligations during and under the Agreement and its decision that the Contractor is in default shall be final, and binding on the Bank, notwithstanding any difference between the Authority and the Contractor, or any dispute between them pending before any court, tribunal, arbitrators or any other Authority or body, or by the discharge of the Contractor for any reason whatsoever.

¹ Guarantee Amount for Performance Security and Additional Performance Security shall be calculated as per Contract.

3. In order to give effect to this Guarantee, the Authority shall be entitled to act as if the Bank were the principal debtor and any change in the constitution of the Contractor and/or the Bank, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the Bank under this Guarantee.
4. It shall not be necessary, and the Bank hereby waives any necessity, for the Authority to proceed against the Contractor before presenting to the Bank its demand under this Guarantee.
5. The Authority shall have the liberty, without affecting in any manner the liability of the Bank under this Guarantee, to vary at any time, the terms and conditions of the Agreement or to extend the time or period for the compliance with, fulfillment and/or performance of all or any of the obligations of the Contractor contained in the Agreement or to postpone for any time, and from time to time, any of the rights and powers exercisable by the Authority against the Contractor, and either to enforce or forbear from enforcing any of the terms and conditions contained in the Agreement and/or the securities available to the Authority, and the Bank shall not be released from its liability and obligation under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the Contractor or any other forbearance, indulgence, act or omission on the part of the Authority or of any other matter or thing whatsoever which under any law relating to sureties and guarantors would but for this provision have the effect of releasing the Bank from its liability and obligation under this Guarantee and the Bank hereby waives all of its rights under any such law.
6. This Guarantee is in addition to and not in substitution of any other guarantee or security now or which may hereafter be held by the Authority in respect of or relating to the Agreement or for the fulfillment, compliance and/or performance of all or any of the obligations of the Contractor under the Contract.
7. Notwithstanding anything contained hereinbefore, the liability of the Bank under this Guarantee is restricted to the Guarantee amount and this Guarantee will remain in force for the period specified in paragraph 8 below and unless a demand or claim in writing is made by the Authority on the Bank under this Guarantee all rights of the Authority under this Guarantee shall be forfeited and the Bank shall be relieved from its liabilities hereunder.
8. The Guarantee shall cease to be in force and effect upto 90 (ninety) days after the end of the Defects Liability Period as set forth in ITB Clauses 32.1 of the agreement.
9. The Bank undertakes not to revoke this Guarantee during its currency, except with the previous express consent of the Authority in writing, and declares and warrants that it has the power to issue this Guarantee and the undersigned has full powers to do so on behalf of the Bank.
10. Any notice by way of request, demand or otherwise hereunder may be sent by post addressed to the Bank at its above referred branch, which shall be deemed to have been duly authorized to receive such notice and to effect payment thereof forthwith, and if sent by post it shall be deemed to have been given at the time when it ought to have been delivered in due course of post and in proving such notice, when given by post, it shall be sufficient to prove that the envelope containing the notice was posted

and a certificate signed by an officer of the Authority that the envelope was so posted shall be conclusive.

11. This Guarantee shall come into force with immediate effect and shall remain in force and effect for up to the date specified in para 8 above or until it is released earlier by the Authority pursuant to the provisions of the Agreement.
12. This Guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.
13. This guarantee shall also be operatable at our _____ Branch at New Delhi, from whom, confirmation regarding the issue of this guarantee or extension/ renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment thereunder claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation.
14. Intimation regarding issuance of this Bank Guarantee shall be sent to Authority's Bank through SFMS gateway as per the details below:

Sl. No.	Particulars	Details
1	Name of Beneficiary	National Highways & Infrastructure Development Corporation Limited
2	Beneficiary Bank Account No.	90621010002659
3	Beneficiary Bank Branch	IFSC CNRB0019062
4	Beneficiary Bank Branch Name	Transport Bhawan, New Delhi
5	Beneficiary Bank Address	Canara Bank (erstwhile Syndicate Bank transport Bhawan, 1st Parliament Street, New Delhi-110001

Signed and sealed this ____ day of ____ 20__ at _____

SIGNED, SEALED AND DELIVERED

For and on behalf of the Bank by:

(Signature)

(Name)

(Designation)

(Code Number)

(Address)

NOTES:

- i) The bank guarantee should contain the name, designation and code number of the officer(s) signing the guarantee.

- ii) The address, telephone number and other details of the head office of the Bank as well as of issuing branch should be mentioned on the covering letter of issuing branch.

FORM OF GUARANTEE FOR ADVANCE PAYMENT

The Managing Director,
National Highways & Infrastructure Development Corporation Ltd
3rd Floor, PTI Building, Sansad Marg,
New Delhi

WHEREAS:

- (A) [name and address of contractor] (hereinafter called “the Contractor”) and the National Highways & Infrastructure Development Corporation Ltd, (hereinafter called “the Authority”) have entered into an agreement (hereinafter called the “Agreement”) for “**Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi**” through Item Rate Basis Contract, subject to and in accordance with the provisions of the Agreement.
- (B) In accordance with Clause 10B (ii or iii) of the Agreement, the Authority shall make to the Contractor an interest bearing @Bank Rate + 3% advance payment (herein after called “Advance Payment”) equal to 10% (ten per cent) of the Contract Price; and that the Advance Payment shall be made in two instalments subject to the Contractor furnishing an irrevocable and unconditional guarantee by a scheduled bank for an amount equivalent to 110% (one hundred and ten percent) of such instalment to remain effective till the complete and full repayment of the instalment of the Advance Payment as security for compliance with its obligations in accordance with the Agreement. The amount of {first/second} instalment of the Advance Payment is Rs. _____ (Rupees _____) only and the amount of this Guarantee is Rs. _____ (Rupees _____) only (the “Guarantee Amount”)
- (C) We, _____ through our branch at _____ (the “Bank”) have agreed to furnish this bank guarantee (hereinafter called the “Guarantee”) for the Guarantee Amount.

NOW, THEREFORE, the Bank hereby, unconditionally and irrevocably, guarantees and affirms as follows:

1. The Bank hereby unconditionally and irrevocably guarantees the due and faithful repayment on time of the aforesaid instalment of the Advance Payment under and in accordance with the Agreement, and agrees and undertakes to pay to the Authority, upon its mere first written demand, and without any demur, reservation, recourse, contest or protest, and without any reference to the Contractor, such sum or sums up to an aggregate sum of the Guarantee Amount as the Authority shall claim, without the Authority being required to prove or to show grounds or reasons for its demand and/or for the sum specified therein

A letter from the Authority, under the hand of an officer not below the rank of [General Manager in the National Highways & Infrastructure Development Corporation Ltd.], that the Contractor has committed default in the due and faithful performance of all or any of its obligations for the repayment of the installment of the Advance Payment under and in accordance with the Agreement shall be conclusive, final and binding on

the Bank. The Bank further agrees that the Authority shall be the sole judge as to whether the Contractor is in default in due and faithful performance of its obligations during and under the Agreement and its decision that the Contractor is in default shall be final and binding on the Bank, notwithstanding any differences between the Authority and the Contractor, or any dispute between them pending before any court, tribunal, arbitrators or any other authority or body, or by the discharge of the Contractor for any reason whatsoever

2. In order to give effect to this Guarantee, the Authority shall be entitled to act as if the Bank were the principal debtor and any change in the constitution of the Contractor and/or the Bank, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the Bank under this Guarantee.
3. It shall not be necessary, and the Bank hereby waives any necessity, for the Authority to proceed against the Contractor before presenting to the Bank its demand under this Guarantee.
4. The Authority shall have the liberty, without affecting in any manner the liability of the Bank under this Guarantee, to vary at any time, the terms and conditions of the Advance Payment or to extend the time or period of its repayment or to postpone for any time, and from time to time, any of the rights and powers exercisable by the Authority against the Contractor, and either to enforce or forbear from enforcing any of the terms and conditions contained in the Agreement and/or the securities available to the Authority, and the Bank shall not be released from its liability and obligation under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the Contractor or any other forbearance, indulgence, act or omission on the part of the Authority or of any other matter or thing whatsoever which under any law relating to sureties and guarantors would but for this provision have the effect of releasing the Bank from its liability and obligation under this Guarantee and the Bank hereby waives all of its rights under any such law.
5. This Guarantee is in addition to and not in substitution of any other guarantee or security now or which may hereafter be held by the Authority in respect of or relating to the Advance Payment.
6. Notwithstanding anything contained hereinbefore, the liability of the Bank under this Guarantee is restricted to the Guarantee amount and this Guarantee will remain in force for the period specified in paragraph 7 below and unless a demand or claim in writing is made by the Authority on the Bank under this Guarantee all rights of the Authority under this Guarantee shall be forfeited and the Bank shall be relieved from its liabilities hereunder.
7. The guarantee shall cease to be in force and effect 90 (ninety) days after the end of the one year from the date of payment of the installment of the Advance Payment, as set forth in Clause 10B of the Agreement.
8. The Bank undertakes not to revoke this Guarantee during its currency, except with the previous express consent of the Authority in writing, and declares and warrants that it has the power to issue this Guarantee and the undersigned has full powers to do so on behalf of the Bank.

9. Any notice by way of request, demand or otherwise hereunder may be sent by post addressed to the Bank at its above referred branch, which shall be deemed to have been duly authorized to receive such notice and to effect payment thereof forthwith, and if sent by post it shall be deemed to have been given at the time when it ought to have been delivered in due course of post and in proving such notice, when given by post, it shall be sufficient to prove that the envelope containing the notice was posted and a certificate signed by an officer of the Authority that the envelope was so posted shall be conclusive.
10. This Guarantee shall come into force with immediate effect and shall remain in force and effect for up to the date specified in para 7 above or until it is released earlier by the Authority pursuant to the provisions of the Agreement.
11. This guarantee shall also be operable at our _____ Branch at New Delhi, from whom, confirmation regarding the issue of this guarantee or extension/ renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment there-under claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation.
12. Intimation regarding issuance of this Bank Guarantee shall be sent to Authority's Bank through SFMS gateway as per the details below:

Sl. No.	Particulars	Details
1	Name of Beneficiary	National Highways & Infrastructure Development Corporation Limited
2	Beneficiary Bank Account No.	90621010002659
3	Beneficiary Bank Branch	IFSC CNRB0019062
4	Beneficiary Bank Branch Name	Transport Bhawan, New Delhi
5	Beneficiary Bank Address	Canara Bank (erstwhile Syndicate Bank) transport Bhawan, 1st Parliament Street, New Delhi-110001

Signed and sealed this ____ day of ____ 20__ at _____

SIGNED, SEALED AND DELIVERED

For and on behalf of the Bank by:

(Signature)

(Name)

(Designation)

(Code Number)

(Address)

NOTES:

- i) The bank guarantee should contain the name, designation and code number of the officer(s) signing the guarantee.
- ii) The address, telephone number and other details of the head office of the Bank as well as of issuing branch should be mentioned on the covering letter of issuing branch.

FORM OF LETTER OF APPLICATION

Deleted

FORM OF LETTER OF ACCEPTANCE

No. _____

Dated _____

To,
M/s. _____

Subject: **Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi – Letter of Acceptance (LOA) – reg.**

Reference: Your bid for the subject work dated _____

Sir,

Based on your bid submitted on _____ in compliance of bidding document of NHIDCL for execution of the work of **Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi**, it is hereby notified that your bid for a contract price of Rs. _____ (Rupees _____) only has been accepted for and on behalf of NHIDCL. You are requested to return a duplicate of the LOA as an acknowledgement immediately and sign the Contract Agreement within the period prescribed in para 32.4 of ITB.

2. You are hereby requested to furnish Performance Security plus additional security, if any, in the form detailed in para 32.2 of ITB for an amount equivalent to Rs. _____ (Rupees _____) only within 10 days as per provisions of para 32.1 of ITB of the bid document failing which the actions as stipulated in clause 32.3 of ITB shall be taken.

Yours faithfully,

General Manager (T)

“Accepted By:

(Name of the Authorized person)

(Name of the sole bidder/lead partner of JV)

Seal of the bidder”

FORM OF AGREEMENT

This agreement is entered into on this the ____ day of _____ 20____

Between

The **National Highway & Infrastructure Development Corporation Ltd, New Delhi** (herein called "**Employer**") of the one part

And

<insert name of party>, the selected bidder having its registered office at <insert registered office address of the party> (here in after "the Contractor") of other part.

Whereas

The Employer invited bids from eligible bidders of the execution of certain works, viz. **Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi.**

And whereas pursuant to the bid submitted by the Contractor, vide (here in after referred to as the "BID" or "ÖFFER") for the execution of works, the Employer by his letter of acceptance dated accepted the offer submitted by the Contractor for the execution and completion of such works and the remedying of any defects thereon, on terms and conditions in accordance with the documents listed in para 2 below.

AND WHEREAS the Contractor by a deed of undertaking dated ____ has agreed to abide by all the terms of the bid, including but not limited to the amount quoted for the execution of Contract, as stated in the bid, and also to comply with such terms and conditions as may be required from time to time.

AND WHEREAS pursuant to the bid submitted by the Contractor vide. hereinafter referred to as the "the Offer"), the employer has by his letter of acceptance no. ____ dated ____ accepted the offer submitted by the Contractor for the execution and completion of such works and the remedying of any defects therein, on terms and conditions in accordance in the conditions of particular application and condition included hereinafter;

AND WHEREAS the contractor has agreed to undertake such works and has furnished a performance security pursuant to Clause 32 of the instructions to Bidders (Section-II)

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement works and expressions shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to;
2. The following documents shall be deemed to form and be read and constructed as part of this agreement viz.
 - a) The Contract Agreement,
 - b) Letter of Acceptance,
 - c) Contractor's Bid,
 - d) Contract Data,
 - e) Bill of Quantities/ Schedule of Quantities

- f) General Conditions of Contract /Special Conditions of Contract
 - f) Drawings
 - g) Specifications
 - h) Indian Standard Specifications of B.I.S.
3. The foregoing documents shall be constructed as complementary and mutually explanatory one with another. Should any ambiguities or discrepancy be noted then the order of precedence of these documents shall subject to the condition of particular applications be as listed above.
4. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the works and remedy any defects therein in conformity in all respect with the provisions of the contract.
5. The employer hereby covenants to pay the contractor in consideration of the execution and completion of the works and the remedying of defects therein the contract price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract

IN WITNESS WHEREOF the parties here to have caused this agreement to be executed the day and year first before written.

Signed, sealed and delivered by the said Employer through his Authorized Representative and the said Contractor through his Power of Attorney holder in the presence of.

For and on behalf of National
Highway& Infrastructure
Development Corporation Ltd

For and on behalf contractor

Witness

1. Name: _____

Address: _____

Witness

1. Name: _____

Address: _____

Witness

2. Name: _____

Address: _____

Witness

2. Name: _____

Address: _____

INTEGRITY PACT FORMAT

(To be executed on plain paper and submitted alongwith Technical Bid/Tender documents for tenders having a value of Rs. 5 cr or above for Consultancy projects and 100 cr. or above for Construction projects. To be signed by the Bidder and same signatory competent/ authorized to sign the relevant contract on behalf of the MoRTH)

This integrity Pact is made at on this ____ day of ____ 20____

BETWEEN

President of India through NHIDCL, 4-Parliament Street New Delhi-110001, (hereinafter referred to as the “Principal/Owner” which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns)

AND

{Name and address of the Firm/Company}, (hereinafter referred to as “The Bidder(s)/Contractor(s)/Concessionaire(s)/Consultant(s)” and which expression shall unless repugnant to be meaning or context thereof include its successors and permitted assigns.)

Preamble

Whereas, the Principal has floated the Tender {NIT No. ____, dated____} (hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract/s for “**Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi**” (hereinafter referred to as the “Contract”).

And Whereas the Principal values full compliance with all relevant laws of the land, rules of land, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s) and/ or Contractor(s)/Concessionaire(s)/Consultant(s).

And whereas to meet the purpose aforesaid, both the parties have agreed to enter into this Integrity Pact (hereafter referred to as “Integrity Pact” or “Pact”) the terms and conditions of which shall also be read as integral part and parcel of the Tender documents and contract between the parties. Now, therefore, in consideration of mutual covenants contained in this pact, the parties hereby agree as follows and this pact witnesses as under:

Article-1: Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
 - (a) No employee of the Principal, personally or through family members, will in connection with the Tender for, or the execution of a Contract, demand, take a promise for or accept, for self, or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal will, during the Tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

- (c) The Principal will exclude all known prejudiced persons from the process, whose conduct in the past has been of biased nature.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act or any other Statutory Acts or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions as per its internal laid down Rules/Regulations.

Article – 2: Commitments of the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s).

The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- (a) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- (b) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contract, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- (c) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not commit any offence under the relevant IPC/PC Act and other Statutory Acts; further the Bidder(s)/Contractor(s)/Concessionaire(s)/Consultant(s) will not use improperly, for purposes of completion or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- (d) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) of foreign origin shall disclose the name and address of the Agents/ Representatives in India, if any. Similarly, the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) of Indian Nationality shall furnish the name and address of the foreign principle, if any.
- (e) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract. He shall also disclose the details of services agreed upon for such payments.
- (f) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- (g) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will not bring any outside influence through any Govt. bodies/quarters directly or indirectly on the bidding process in furtherance of his bid.

Article - 3 Disqualification from tender process and exclusion from future contracts.

- (1) If the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s), before award or during execution has committed a transgression through a violation of any provision of Article- 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) from the tender process.
- (2) If the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) has committed a transgression through a violation of Article-2 such as to put his reliability or credibility into question, the Principal shall be entitled to exclude including blacklist and put on holiday the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) for any future tenders/ contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and circumstances of each case particularly taking into account the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) and the amount of the damage. The exclusion will be imposed for a maximum of 3 years.
- (3) A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that "On the basis of facts available there are no material doubts".
- (4) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute rights to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
- (5) The decision of the Principal to the effect that a breach of the provisions of this Integrity Pact has been committed by the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) shall be final and binding on the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s), however, the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) can approach IEM(s) appointed for the purpose of this Pact.
- (6) On occurrence of any sanctions/ disqualification etc arising out from violation of integrity pact, the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) shall not be entitled for any compensation on this account.
- (7) Subject to full satisfaction of the Principal, the exclusion of the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) could be revoked by the Principal if the Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption prevention system in his organization.

Article – 4: Compensation for Damages.

- (1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Article-3, the Principal shall be entitled to forfeit the Earnest Money Deposit/ Bid Security or demand and recover the damages equivalent to

Earnest Money Deposit/ Bid Security apart from any other legal right that may have accrued to the Principal.

- (2) In addition to 1 above, the Principal shall be entitled to take recourse to the relevant provisions of the contract related to Termination of Contract due to Contractor/ Concessionaire/Consultant's Default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor/ Concessionaire/ Consultant and/ or demand and recover liquidated and all damages as per the provisions of the contract/concession agreement against Termination.

Article – 5: Previous Transgressions

- (1) The Bidder declares that no previous transgressions occurred in the last 3 years immediately before signing of this Integrity Pact with any other Company in any country conforming to the anti corruption/ Transparency International (TI) approach or with any other Public Sector Enterprise/ Undertaking in India or any Government Department in India that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Article-3 above for transgressions of Article-2 and shall be liable for compensation for damages as per Article-4 above.

Article – 6: Equal treatment of all Bidders/ Contractors/ Concessionaires/ Consultants/ Subcontractors.

- (1) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- (2) The Principal will enter into agreements with identical conditions as this one with all Bidders/Contractors/ Concessionaires/ Consultants and subcontractors.
- (3) The Principal will disqualify from the tender process all Bidders who do not sign this Pact or violate its provisions.

Article – 7: Criminal charges against violating Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s)/ Sub-contractor(s).

If the Principal obtains knowledge of conduct of a Bidder/ Contractor/ Concessionaire/ Consultant or subcontractor, or of an employee or a representative or an associate of a Bidder/ Contractor/ Concessionaire/ Consultant or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Article- 8: Independent External Monitor (IEM)

- (1) The Principal has appointed an Independent External Monitor (herein after referred to as "Monitor") for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Director General (Road Development) & Special Secretary.
- (3) The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) accepts that the Monitor has the right to access without restriction to all project documentation of the Principal including that provided by the Bidder(s)/Contractor(s)/ Concessionaire(s)/ Consultant(s). The Bidder(s)/ Contractor(s)/ Concessionaire(s)/ Consultant(s) will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality.
- (4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- (5) As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (6) The Monitor will submit a written report to the Director General (Road Development) & Special Secretary within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- (7) If the Monitor has reported to the Director General (Road Development) & Special Secretary, a substantiated suspicion of an offence under relevant IPC/PC Act, and the Director General (Road Development) & Special Secretary has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- (8) The word 'Monitor' would include both singular and plural.

Article – 9 Pact Duration

This Pact begins when both parties have legally signed it (in case of EPC i.e. for projects funded by Principal and consultancy services). It expires for the Contractor/ Consultant 12 months after his Defect Liability Period is over or 12 months after his last payment under the contract whichever is later and for all other unsuccessful Bidders 6 months after this Contract has been awarded. (In case of BOT Projects) It expires for the concessionaire 24 months after his concession period is over and for all other unsuccessful Bidders 6 months after this Contract has been awarded.

If any claim is made/ lodged during his time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by Director General (Road Development) & Special Secretary.

Article - 10 Other Provisions.

- (1) This pact is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. New Delhi.
- (2) Changes and supplements as well as termination notices need to be made in writing.
- (3) If the Bidder/Contractor/Concessionaire/Consultant is in a partnership or a Joint Venture partner, this pact must be signed by all partners or members.
- (4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- (5) Any disputes/ differences arising between the parties with regard to term of this pact, any action taken by the Principal in accordance with this Pact or interpretation thereof shall not be subject to any Arbitration.
- (6) The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provision of the extent law in force relating to any civil or criminal proceedings.

In witness whereof the parties have signed and executed this Pact at the place and date first done mentioned in the presence of following witness:

(For & On behalf of the Principal)

(For & On behalf of the Bidder/ Contractor/
Concessionaire/ Consultant)

(Office Seal)

Place _____

Date _____

Witness 1: (Name & Address):

Witness 2: (Name & Address):

{COUNTERSIGNED and accepted by: JV Partner}

PROFORMA OF SCHEDULES

SCHEDULE - A

Bill of Quantities (BOQ)/ Schedule of Quantities / (SOQ):

Refer Section-VII

SCHEDULE - B

Schedule of materials to be issued to the Contractor.

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the Contractor	Place of issue
1	2	3	4	5
- Not Applicable -				

SCHEDULE - C

Tools and plants to be hired to the Contractor by NHIDCL

Sl. No.	Description	Hire charges per day	Place of Issue
1	2	3	4
- Not Applicable -			

SCHEDULE - D

Extra schedule for specific requirements/document for the work, if any.

Sl. No.	Particulars	Page Numbers
1	Integrity Pact (Appendix XXIII)	150 - 155
2	Appendix I to XXII	119 - 155
3	Technical Specifications	162 - 169
4	List of Approved Makes of Materials	170 - 174
5	List of Tender Drawings	291

SCHEDULE - E

Reference to General Conditions of Contract: As per attached General Conditions of Contract

Name of Work:	Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi
Estimated cost of the work:	Rs. 155.30 lakhs (As per NIT)
Earnest money:	Bid Securing Declaration to be submitted in lieu
Performance Guarantee:	3% of the tendered value of the work
Security Deposit"	2.5% of the tendered value of the work

SCHEDULE - F

GENERAL RULES & DIRECTIONS:	
Officer inviting tender:	General Manager (Technical), NHIDCL, New Delhi
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.	As per clause 12 mentioned below
Definitions:	
2(v) Engineer-in-Charge	General Manager (Technical), NHIDCL, New Delhi / NHIDCL authorized representative
2(viii) Accepting Authority	Managing Director, NHIDCL, New Delhi
2(x) Percentage on cost of materials and labour to cover all overheads and profits	15% (Fifteen percent)
2(xi) Standard Schedule of Rates:	Civil Items of Work: Updated DSR 2021 (Civil) with up to date correction slips Electrical Items of Work: Updated DSR 2018 (E&M) with up to date correction slips
2(xii) Department	National Highways Infrastructure Development Corporation Limited (NHIDCL)
2(xiv) Date of Commencement of work	On 10th day of issue of Letter to proceed or the date of handing over of the site, whichever is later.
2(xvii) Specifications	Civil Items of Work: CPWD Specifications 2019 with up to date correction slips Electrical Items of Work: CPWD General Specifications for Electrical Works (Part-I Internal) with up to date correction slips
9(ii) Standard Contract Form:	Based upon General Conditions of Contract (Clauses of Contract)

Clause 1

(i)	Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance:	Within 10 days of receipt of Letter of Acceptance (with validity for 60 days after the defect liability period of 12 months)
(ii)	Maximum allowable extension with late fee @ 0.1% Per day of Performance Guarantee amount beyond the period provided in (i) above:	7 days

Clause 2

Authority for fixing compensation under clause 2:	Competent Authority in NHIDCL
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Clause 5

(i)	Time allowed for execution of work:	6 (Six) months
(ii)	Number of days from the date of issue of letter of acceptance for reckoning date of start:	10 days from the date of issue of Letter to proceed or the date of handing over of the site, whichever is later.
(iii)	Milestone(s):	As per Annexure-A
(iv)	Authority to decide:	Competent Authority in NHIDCL
	(a) Extension of time:	
	(b) Rescheduling of mile stones:	
	(c) Shifting of date of start in case of delay in handing over of site	
(v)	Schedule of handing over of site:	Within 10 days after issue of Letter to proceed
(vi)	Schedule of issue of Design/Drawings:	Will be issued along with site handing over (if required)
(vii)	Programme Chart (Time & Progress):	Initial programme chart to be submitted within 7 working days of work commencement

Clause 5.1 (b-iv)

Recovery for non submission of Progress Chart & progress report within specified period	Rs.5,000/- per week
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Clause 5.4

Schedule of rate of recovery for delay in submission of the modified programme in terms of delay days

Sl. No.	Contract Value	Recovery Rs.
(i)	Less than or equal to Rs. 1 Crore	500
(ii)	More than Rs. 1 Crore but less than or equal to Rs. 5 Crore	1000
(iii)	More than Rs. 5 Crore but less than or equal to Rs. 20 Crores	2500
(iv)	More than Rs. 20 Crores	5000

Clause 7

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment:	Rs. 20,00,000/-
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Clause 7A

Whether Clause 7A shall be Applicable:	Yes
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Clause 8A

Authority to decide compensation on account if contractor fails to submit completion plans:	Competent Authority in NHIDCL
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Clause 10A

List of testing equipment to be provided by the contractor at site lab:	As per requirement of field tests
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Clause 10B

Whether Clause 10 B (ii) (Mobilization Advance) shall be applicable:	Yes
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Clause 10C

Payment on Account of Increase in Prices/Wages due to Statutory Order(s):	Not Applicable
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Clause 10CA

Payment due to variation in prices of materials after receipt of tender:	Not Applicable
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Clause 10CC

Payment due to Increase/ Decrease in Prices/ Wages (excluding materials covered under clause 10CA) after Receipt of Tender for Works	Not Applicable
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Clause 11

Specifications to be followed for execution of work:	Civil Works: CPWD Specifications: 2019 Vol 1 & 2 corrected up to last date of bid submission/ uploading of tender. Electrical Works: i. CPWD General Specifications for Electrical Works – Internal 2005 ii. CPWD General specifications for Electrical Part 1 (Internal) 2013 iii. Latest CPWD General specifications for Electrical Part 2 (External) 1995 Additional specifications as specified in the contract agreement. Relevant BIS/ISI codes etc. & standards shall be followed. In case of non-availability of any standard, the manufacturers specifications shall be followed. The decision of the Engineer-in-Charge or the Officer authorised by the Employer shall be final, in case of any contradiction. The standards and specifications with correction slips to be followed upto last date of submission/uploading of bid.
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Clause 12:

Authority to decide deviation upto 1.5 times of tendered amount	Competent Authority in NHIDCL
12.2 & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work:	30%
12.5 (i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except item mentioned in earth work subhead of DSR and/or related items)	100%
ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items	100%

Clause 16

Competent Authority for deciding reduced rates:	Competent Authority in NHIDCL
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Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:	As per requirement of works/items for satisfactory completion of the work. The contractor shall deploy additional machinery, tool & plants in order to maintain the progress of the work without any extra cost to the department.
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Clause 19

Clause 19 C: Authority to decide penalty for each default	Competent Authority in NHIDCL
Clause 19 D: Authority to decide penalty for each default	Competent Authority in NHIDCL
Clause 19 G: Authority to decide penalty for each default	Competent Authority in NHIDCL
Clause 19 K: Authority to decide penalty for each default	Competent Authority in NHIDCL

Clause 25

Place of Arbitration	Delhi / New Delhi
Constitution of Dispute Redressal Committee (DRC)	
Chairman	Director (Technical)
Member	Executive Director (P)
Member	Executive Director (T)
Member Secretary	GM (P)

Clause 32

Requirement of Technical Representative(s) and recovery Rate

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum experience in years	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provisions of clause 32
1	Graduate in Civil Engineering or equivalent + 5 years experience.	Civil	Project Manager	3 years in civil construction and maintenance work	1	30,000/-
2	Graduate in Civil Engineering or equivalent + 3 years experience.	Civil	Quality cum Material Expert	02 years as quality/material expert in civil construction and maintenance work	1	20,000/-

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum experience in years	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provisions of clause 32
3	Graduate in Electrical Engineering or equivalent + 3 years of experience or Diploma + 5 years experience.	Electrical Engineering	Electrical Engineer	02 years in civil engineering electrical component construction and maintenance work	1	20,000/-
4	Contractor shall engage specialist agencies/personnel having adequate past experiences to execute - (a) resurfacing of the Tennis clay courts, (b) laying of synthetic surface of the Volleyball court, and (c) artificial grass mat for cricket practice pitch, with prior approval of NHIDCL. Contractor shall submit the credential of such agencies and satisfy NHIDCL as to their qualification and eligibility to take up the works. Warranty from the specialist agencies, wherever stipulated for such items in the tender, shall be provided by the Contractor.					30,000/-

Note:

- i) The Project Manager should have experience of at least one similar nature of work.
- ii) Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.
- iii) Diploma holder with minimum 10 year relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.
- iv) The contractor to deploy adequate Nos. of technicians, foreman, supervisors, safety officer, labour welfare officer, storekeeper & office staff till completion of works.
- v) The Contractor to submit deployment schedule of all the above-mentioned staff before commencement of the work to the Engineer-in-Charge.

Clause 38

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen:	CPWD-DSR 2021 with upto date correction slips issued up to last date of issue of tender
(ii) Variations permissible on theoretical quantities:	
(a) Cement for works with estimated cost put to tender more than Rs.25 lakh:	2% plus/minus
(b) Bitumen All Works:	2.5% plus & only nil on minus side

(c) Steel Reinforcement and structural steel sections for each diameter, section and category:	2% plus/minus
(d) Paint	2.5% of theoretical quantity as per Analysis of Rates to DSR/ Manufacturer catalogue
(e) All other materials:	Not Applicable
(iii) Recovery Rates for Quantities beyond permissible Variation:	
(a) Cement:	Excess wastage beyond permissible limit: NIL Less use beyond permissible limit: Rs.7500/MT*
(b) Steel Reinforcement:	Excess wastage beyond permissible limit: NIL Less use beyond permissible limit: Rs.5500/MT*
*Important Note: Recovery rates for materials given above are only for regulating operation of clause 38. The tenderers are requested to consider prevailing market rates while quoting the rates.	

Annexure A

(Ref: Clause 5 in Proforma of **Schedule-F**)

TABLE OF MILESTONE(S)

Sl. No.	Description of Mile Stone (Financial)	Time allowed in Months (from date of commencement)	% Amount of tendered cost to be with-held in case of non achievement of milestone
1	1/8 th of accepted value	1/4 th of completion period	1% of tendered value of work
2	3/8 th of accepted value	1/2 th of completion period	1% of tendered value of work
3	3/4 th of accepted value	3/4 th of completion period	1% of tendered value of work
4	Full	Full	As per GCC clause 2

Note: -

The milestone, either physical or financial, as mentioned above is to be achieved for Sl. No. 1 to 3. Overall physical milestone has to be achieved for Sl. No. 4. In case of achievement of any milestone the amount withheld for non-achieving of previous milestones will be released.

-xxxxx-

SECTION V

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

A. TECHNICAL SPECIFICATION OF CIVIL WORKS:

1.0 GENERAL:

- 1.1 The work shall in general conform to the Latest CPWD Specifications (corrected up to the last date of submission/uploading of bid) as mentioned in General Conditions of Contract (GCC). Work under this Contract shall consist of furnishing all labour, materials, equipment, tools & plants and appliances necessary and required.
- 1.2 The Contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other Contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed, so as not to interfere with the operations of other Contractor simultaneously working or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
- 1.3 Regarding testing of civil & electrical & other materials, the testing of materials shall be conducted in Govt. Laboratory/ Govt. Engineering Colleges/ IITs/ NITs or from the laboratory approved by Engineer-in-Charge. The charges of testing of materials in approved laboratory shall be borne by the Contractor.
- 1.4 No payment shall be made for any damage caused by rain, snowfall, flood or any other natural calamity, whatsoever during the execution of the work. The Contractor shall be fully responsible for any damage to the govt. property and work for which the payment has been advanced to him under the contract and he shall make good the same at his risk and cost. The Contractor shall be fully responsible for safety and security of his material, T&P, Machinery brought to the site by him.
- 1.5 The Contractor shall comply with the safety procedures, norms and guidelines (as applicable) as outlined in the document Part 7 Constructional practices and safety - 2016, National Building code of India, Bureau of Indian Standards. A copy of all pertinent regulations and notices concerning accidents, injury and first-aid shall be prominently exhibited at the work site. Depending upon the scope & nature of work, a person qualified in first-aid shall be available at work site to render and direct first-aid to casualties. A telephone may be provided to first-aid assistant with telephone numbers of the hospitals displayed. Complete reports of all accidents and action taken thereon shall be forwarded to the competent authorities.
- 1.6 Contractor should spray curing water on concrete structure and shall not allow free flow of water. Concrete structures should be kept covered with thick cloth/gunny bags and water should be sprayed on them. Contractor shall do water ponding on all sunken slabs using cement and sand mortar.
- 1.7 Approved Makes:
Specification/brands names of materials to be used as per the scope of work are listed in the bid documents. The efforts should be made by the Contractor to use indigenous products. The Contractor should also consider the availability of spares parts/ components for maintenance purposes while proposing any brand/ manufacturer. The materials of any other brand/manufacturer may be proposed for use by the Contractor in case the brands specified below are not available in the market and/or Contractor intends to use some other brand better than the brands mentioned in this list. The alternate brand can be used only after the approval of Engineer-in-Charge. The list of approved makes is appended to this document.

1.8 Method Statement:

The Contractor shall submit a 'Methods statement' for each important activity for the approval of the Engineer-in-Charge soon after the award of work to him. The 'Methods statement' is a statement by which the construction procedures for any activity of construction is formulated and stated in chronological order. The 'Methods statement', should have a description of the item with elaborate procedures in steps to implement the same, the specifications of the materials involved, their testing and acceptance criteria, equipment to be used, Precautions to be taken, etc.

- 1.9 The work shall be carried out in accordance with the drawings issued by the Engineer-in-Charge to be read along with the items included in the Schedule of Quantities. The Technical Specifications are to be read with and in general conforming to the Latest CPWD Specifications.
- 1.10 Contractor shall procure the required materials in advance so that there is sufficient time to testing of the materials and clearance of the same before use in the work. The Contractor shall provide at his own cost suitable weighing and measuring arrangements at site for checking the weight / dimensions as may be necessary for execution of work.
- 2.0 For Detailed Specification of DSR items of Civil works (Based on DSR 2021) mentioned in SOQ shall be as per CPWD specification 2019 VOLUME I AND VOLUME II (corrected up to the last date of submission/uploading of bid).
- 3.0 Contractor shall engage specialist agencies/personnel having adequate past experiences to execute - (a) resurfacing of the Tennis clay courts, (b) laying of synthetic surface of the Volleyball court, and (c) artificial grass mat for cricket practice pitch, with prior approval of NHIDCL. Contractor shall submit the credential of such agencies and satisfy NHIDCL as to their qualification and eligibility to take up the works. Warranty from the specialist agencies, wherever stipulated for such items in the tender, shall be provided by the Contractor.

B. TECHNICAL SPECIFICATION OF PUBLIC HEALTH WORKS:

- 1.0 For Detailed Specification of DSR items of Public health works (Based on DSR 2021) mentioned in SOQ shall be as per CPWD specification 2019 VOLUME I AND VOLUME II (corrected up to the last date of submission/uploading of bid) i.e. in Sub-head No. 17, 18, 19, 23.
- 2.0 For Nonscheduled item mentioned in SOQ shall be installed as per manufacturer's direction approved by the Engineer-in-charge.
- 3.0 Specification/brands names of fixtures to be used as per the scope of work are listed in the bid documents. The efforts should be made by the Contractor to use indigenous products. The Contractor should also consider the availability of spares parts/ components for maintenance purposes while proposing any brand/ manufacturer. The materials of any other brand/manufacturer may be proposed for use by the Contractor in case the brands specified below are not available in the market and/or Contractor intends to use some other brand better than the brands mentioned in this list. The alternate brand can be used only after the approval of Engineer-in-Charge. The list of approved makes is appended to this document.

C. TECHNICAL SPECIFICATION OF ELECTRICAL WORKS:

1.0 INTERNAL ELECTRICAL WORKS

For Detailed Specification of DSR items of Internal Electrical works (Based on DSR 2018) mentioned in SOQ shall be as per CPWD General specification for electrical works Part 1 (Internal) 2013 (corrected up to the last date of submission/uploading of bid).

D. TECHNICAL SPECIFICATION OF LANDSCAPE WORK:

1.0 LANDSCAPE WORK:

Landscaping (Horticulture) operations shall be started on ground previously levelled and dressed to required formation levels and slopes. In case where unsuitable soil is met with, it shall be either removed or, replaced or it shall be covered over to a thickness decided by the Engineer-in-charge with good earth. In the course of excavation or trenching during horticultural operations, any walls, foundations, etc. met with shall not be dismantled without pre-measurement and prior to the written permission of the Engineer-in-charge.

2.0 TRENCHING IN ORDINARY SOIL:

2.1 TRENCHING:

Trenching is done in order to loosen the soil, turn over the top layer containing weeds etc. and to bring up the lower layer of good earth to form a proper medium for grassing, re-grassing, hedging and shrubbery. Trenching shall be done to the depth ordered by the Engineer-in charge. The depth is generally 30 cm for grassing and 60 cm for re-grassing in good soil.

2.1.1 The trenched ground shall, after rough dress, be flooded with water by making small kiaries to enable the soil to settle down. Any local depression unevenness etc. shall be made good by dressing and/or filling with good soil.

2.1.2 Weeds or other vegetation which appear on the ground are then uprooted and removed and disposed off and paid.

2.1.3 Trenching shall consist of the following operations: 1. The whole plot shall be divided into narrow rectangular strips of about 1.5 m width or as directed by the Engineer-in-Charge. 2. These strips shall be sub-divided lengthwise into about 1 m long sections. Such sections shall be excavated serially and excavated soil deposited in the adjacent section preceding it. 3. In excavating and depositing care shall be taken that the top soil with all previous plant growth including roots, get buried in the bottom layer of trenched area, the dead plants so buried incidentally being formed into humus. 4. The excavated soil shall be straight away dumped into the adjoining sections so that double handling otherwise involved in dumping the excavated stuff outside and in back filling in the trenches with leads is practically eliminated.

2.1.4 Measurements Length and breadth of the plot shall be taken correct to 0.1 m and depths correct to cm. Cubical contents shall be calculated in cubic meters, correct to two places of decimal. No deduction shall be made nor extra paid for removing stones, brick bats and other foreign matter met with during excavation upto initial lead of 50 m and stacking the same.

2.1.5 Rate The rate shall include the cost of all labour and material involved in the operations described above, including cost of all precautionary measures to be taken for protections and supporting all services etc. Met with during trenching. It does not include the cost of mixing of earth, sludge/manure.

2.2 GOOD EARTH

2.2.1 The earth shall be stacked at site in stacks not less than 50 cm high and of volume not less than 3.0 cum.

2.2.2 Measurements: Length, breadth and height of stacks shall be measured correct to a cm. The volume of the stacks shall be reduced by 20% for voids before payment, unless otherwise described.

- 2.2.3 Rate: The rate shall include the cost of excavating the earth from areas lying at distance not exceeding one km. from the site, transporting the same at site breaking of clods and stacking at places indicated. The rate shall also include royalty if payable.
- 2.3 SUPPLY AND STACKING OF SLUDGE
- 2.3.1 It shall be transported to the site in lorries with efficient arrangement to prevent spilling en-route. It shall be stacked at site. Each stack shall not be less than 50 cm height and volume not less than 3 cum.
- 2.3.2 Measurements Length, breadth and depth of stacks shall be measured correct to a cm. The volume of the stack shall be reduced by 8% for looseness in stacking and to arrive at the net quantity for payment.
- 2.3.3 Rate The rate shall include the cost of labour and material involved in all operations described above, including carriage up to one km. The rate shall also include royalty if payable.
- 2.4 SUPPLY AND STACKING OF MANURE
- 2.4.1 Farmyard Manure: Same as 2.3.1.
- 2.4.2 Measurements: Same as 2.3.2.
- 2.4.3 Rate : Same as 2.3.3.
- 2.5 EXCAVATION AND TRENCHING FOR PREPARATION OF BEDS FOR HEDGE AND SHRUBBERY
- 2.5.1 Beds for hedges and shrubbery are generally prepared to width of 60 cm. to 125 cm. and 2 to 4 meters respectively.
- 2.5.2 Beds for hedges and shrubbery shall be prepared in the following manner. The beds shall first be excavated to a depth of 60 cm. and the excavated soil shall be stacked on the sides of the beds. The surface of the excavated bed shall then be trenched to a further depth of 30 cm, in order to loosen the soil, in the manner described in 2.1. No flooding will be done at this stage but the top surface shall be rough dressed and levelled. The excavated soil from the top 60 cm depth of the bed stacked at the site shall then be thoroughly mixed with sludge over manner in the proportion 8:1 by ratio or other proportion described in the item. The mixed earth and manure shall be refilled over the trenched bed, levelled neatly and profusely flooded so that the water reaches even the bottom most layers of the trenched depth of the bed. The surface after full subsidence shall again be refilled with the earth and manure mixture, watered and allowed to settle and finally fine dressed to the level of 50 mm to 75 mm below the adjoining ground or as directed by the Engineer-in-Charge. Surplus earth if any, shall be disposed off as directed by the Engineer-in-charge. Any surplus earth if removed beyond initially lead shall be paid separately. Stones, bricks bats and other foreign matter if met with during excavation or trenching shall be removed and stacked within initially lead & lift, such material as is declared unserviceable by the Engineer-in-charge shall be disposed by spreading and levelling at places ordered by him. If disposed outside the initial lead & lift, then the transport for the extra leads will be paid for separately. If a large proportion of material unsuitable for the hedging and shrubbery operations is met with and earth from outsides is required to be brought in for mixing with manure and filling, the supply and stacking of such earth will be paid for separately.
- 2.5.3 Measurements
- Length, breadth and depth of the pit excavated and trenched shall be measured correct to a cm. The cubical contents shall be calculated in cubic meter correct to two places of decimal.

2.5.4 Rate

The rate shall include the cost of all the labour and material involved in all the operations described above. The rate shall not include the cost of supply & stacking of the manure unless the same is specifically included in the description of the item.

2.6 DIGGING HOLES FOR PLANTING TREES

2.6.1 In ordinary soil, including refilling earth after mixing with oil cake, manure and watering.

2.6.1.1 Holes of circular shape in ordinary soil shall be excavated to the dimensions described in the items and excavate soil broken to clods of size not exceeding 75 mm in any direction, shall be stacked outside the hole, stones, brick bats, unsuitable earth and other rubbish, all roots and other undesirable growth met with during excavation shall be separated out and unserviceable material removed from the size as directed. Useful material, if any, shall be stacked properly and separately. Good earth in quantities as required to replace such discarded stuff shall be brought and stacked at site by the contractor which shall be paid for separately. The tree holes shall be manured with powdered Neam/castor oil cake at the specified rate along with farm yard manure over sludge shall be uniformly mixed with the excavated soil after the manure has been broken down to powder, (size of particle not be exceeded 6 mm in any direction) in the specified proportion, the mixture shall be filled in to the hole up to the level of adjoining ground and then profusely watered and enable the soil to subside the refilled soil shall then be dressed evenly with its surface about 50 to 75 mm below the adjoining ground level or as directed by the Engineer-in-charge.

2.6.1.2 Measurements:

Holes shall be enumerated.

2.6.1.3 Rate:

The rate shall include the cost of all the labour and material involved in all the operations described above, excluding the cost of supply and stacking the requisite quantity of manure/sludge and oil cake.

2.7 FILLING MIXTURE OF EARTH & SLUDGE OVER MANURE

2.7.1 The separately specified earth and sludge shall be broken down to particles of size not exceeding 6 mm in any directions before mixing. Good earth shall be thoroughly mixed with sludge over manure in specified proportions as directed by Officer-in-Charge. During the process of preparing the mixture as above, trenches shall be flooded with water and levelled.

2.7.2 Measurements

Measurement shall be made in (Length, breadth and height of stacks) cubic meter. The cubical contents shall be worked out to the nearest two places of decimal in cubic meter.

2.7.3 Rate

The rate shall include the cost of all the labour and material involved in all the operations described above, but do not include the good earth, sludge or manure which will be paid separately.

3.0 SPECIFICATIONS OF PLANTS (Plants, Trees Shrubs taken in SOQ):

3.1 The plants, Trees and shrubs included under SOQ should be as per following specification.

- 1 The plants should be full of fresh and healthy foliage.
- 2 The plants should be free from insect, pest and disease.
- 3 Plant should be healthy and vigorous growth
- 4 The height of the plants will be measured from top of the pots.

- 5 The plants should be well settled and should not be newly shifted.
- 6 The plants should be true to the variety and named Variety should be tagged.
- 7 Moss stick used should be made on plastic pipe.
- 8 Moss stick should be straight and properly fixed in the pot.
- 9 The rejected plants materials should be removed from the site immediately.
- 10 Moss stick should be covered with the plants in case of plants supplied with moss stick.
- 11 The Plant should be well established and good spread.
- 12 Good earth and manure used for filling the pot/poly bag free from any inert material and mixed to proper ratio.
- 13 Pot/ Poly bag used for filling the plants should be proper size good quality not damaged.
- 14 There should be proper drainage in pots for plants.
- 15 The flowering plants should also have proper flowering and should be true to the variety.
- 16 All plant should have the tendency of growth and should not be stunted type.
- 17 There should be no stagnation of water in the pots.

E. TECHNICAL SPECIFICATION OF MISCELLANEOUS ITEMS:

1.0 SHEET METAL OUTDOOR BENCHES

Supplying and installation of sheet metal outdoor benches with backrest, SS 304 grade, hairline Satin or Mirror finish and laser cut perforated seating with fins/separators with 2 legs made of 2mm thick SS sheet fixed with the help of push-fit components and of size 1700mm (L) x 450mm (W) x 425mm (H) all complete as per approved brand and model/design including placing the bench in position by grouting in cement concrete blocks complete as directed by the Engineer-in-Charge (cement concrete block shall be paid separately) - Ozone Model No. OZ-UF-BN-33 or approved equivalent

OZ-UF-BN-33

Sheet Metal Bench With Backrest



2.0 M.S. STRUCTURE DUGOUT

Supply and installation of movable MS structure dugout on minimum six seater of size 10'(L) x 4'(W) x 8'(H) welded with turf wheel and covered with extremely strong 3mm shatter resistant clear polycarbonate protective covering etc. all complete as per direction of Engineer-in-charge



3.0 POLE MOUNTED LITTER BIN

Supplying and installation of pole mounted litter bin, each set a pair of 100Ltr capacity bin all complete as directed by the Engineer-in-Charge (Nilkamal or approved equivalent)



-XXXXX-

SECTION – VI

LIST OF APPROVED MAKES OF MATERIALS

LIST OF APPROVED MAKES OF MATERIALS- CIVIL, INTERIOR, PLUMBING, ELECTRICAL ITEMS

SL. NO.	ITEM/ MATERIAL	MAKES/ MANUFACTURER
A. CIVIL WORK		
1	Cement	ACC, Ultratech, Ambuja, Vikram, Birla cement, JK Cement, Shree cement & Jaypee Cement
2	Reinforcement Steel / Structural Steel	SAIL, Tata Steel, RINL, Jindal
3	Aluminium Extrusion / Sections	Jindal, Hindalco, Indalco
4	Aluminium Accessories and Hardware	Hardima, Everite, Sigma, Argent, Classic make
5	Anchor Fastner/Dash Fastner	Hilti, Fisher, Canon
6	Ready Mix Concrete (RMC)	Ultratech, ACC, RMC India
7	Concrete Additive	Pidilite / Fosroc / Fairmate / MC Bauchemie/ Sika/ Cico
8	Door closer / Floor spring	Hardwyn, Godrej, Yale, Ozone
9	Door Shutters- Flush	Kitlam, National, Swasthik, Corbett Kitply, CNC, Shivalik, Prima Jayna, Green
10	Doors & Windows Fixtures / Fitting.	Everite / Classic/ Crown / Earl Bihari
11	PAINTS (Plastic Emulsion Paint (exterior))	Asian (Apex Ultima)/ Berger (Weathercoat all Guard)/ ICI (Dulux weathershield max)
12	Paints - Other Paints / Primer	ICI Dulux/ Asian/ Berger/ Nerolac
13	Paints - Texture paint	Berger / Spectrum / Unilite Heritage /Asian
14	Paver blocks / Tiles (All Types)	KK / Uni Stone Products (India) Pvt. Ltd/ Hindustan Tiles/ NITCO
15	False Ceiling - Calcium Silicate Boards & Tiles	India Gypsum/ Armstrong / Hilux / Saint Gobain (Gyproc)/Aerolite
16	False Ceiling - Metal	Armstrong / Hunter-Douglas / USG-Boral/ Saint Gobain/ Unimet
17	False Ceiling - Mineral fibre	Armstrong / Decosonic / USG-Boral/ AMF/ Saint Gobain (Gyproc)
18	Glass : Float & Mirror	Modiguard / Atul / Saint Gobain/ Asahi India Safety Glass Ltd / Modi Glass

19	Glass for Aluminum Doors/ Windows/ Structural Glazing	Modiguard / Saint Gobain / Pilkington/ Asahi India Safety Glass Ltd./Modiglass
20	GRC Jali	Unistone/ Kuber Fibrostone/Everest Composites/ Birla white
21	Grout: Non-Shrink	Fosroc / Sikka/Pidilite or equivalent
22	Laminates/ Veneers	Century/Archidply/Greenlam/Formica/Sun mica / Merino
23	Night Latch	Godrej / Dorma/ Ozone/Harrison/Link
24	Paints - Cement Based	Snowcem Plus/, Berger (Durocem Extra)/ Nerolac (Super Acrylic)/ TATA Cem, Asian
25	Plywood/Block board/Ply board	Duroply / Greenply/ Archidply/ Century/ Kitply/ National / Anchor/ Merino
26	Silicon sealants /Weather Sealant / Structural Glazing Sealant	GE- Silicon / Pidilite / Forsoc / Cico /Dow Corning / Sikka/ Wacker
27	Stainless Steel	Salem Steel/ Jindal or equivalent
28	Stainless Steel bolts, Screws, Nuts & Washers	Kundan / Puja / Atul
29	Stainless Steel Clamps	Hilti /Intellotech Konzept or equivalent
30	Stainless Steel Hinges	Hettich/ Godrej/ Dorma
31	Stone Adhesives	Fosroc / Sikka/Pidilite
32	Tiles: Ceramic Tiles	Kajaria / Somany/RAK or equivalent
33	Tiles: Glazed (Ceramic) tiles	Kajaria / Somany/RAK or equivalent
34	Tiles: Vitrified Tiles	Kajaria / Somany/RAK
35	Vinyl Flooring	Wonder floor/Responsive or equivalent make
36	Water Proofing Materials	BASF/ Fosroc / Sikka / CICO / STP/ Pidilite/CHRYSO
37	Wooden Laminated Flooring	NITCO /Euro / Pergo
38	M.D.F	Nuwood (Grade -I AND GRADE II), Durotuff
B. PUBLIC HELATH WORK		
39	Ball valves with floats	Zoloto / Leader / Sant/ Audco/GPA

40	Brass - Stop & Bib Cock	Zoloto / Sant / Jaquar
41	C. I Pipes & Fittings	Electrosteel/ Kapilansh/ NECO/ RIF/ SKF/BIC
42	C.I. Manhole Covers	NECO/R.I.F./B.I.C./HEPCO/SKF/ KAJECO
43	C.P. Fittings: Mixer / Bib Cock/ Pillar taps/ Angle valve/ Valves Washers/ Waste/ Urinal /Spreaders /Accessories etc.	Jaquar /Kohler/ Grohe/Marc
44	Geyser	Spherehot / Racold / Usha Lexus /Bajaj
45	Liquid Soap Dispenser	Euronics/Utec/Kopal/ Jaquar
46	MS Saddle with G.I. Riser	Harvel/Alprene/Rain Bird, USA
47	Pipe Fittings: G.I.	R/Unik/Zoloto/K.S./Sun/Swastik
48	Pipe:- G.I.	Jindal / Tata / Prakash Surya/SAIL/ Swastik
49	Pipes & fitting: PVC for SWR Soil, Waste & Vent Pipes and fittings, Type B PVC Casing & Screen Pipes	Prince / Supreme / Finolex
50	Pipes & Fittings: CPVC	Flowguard/ Astral/ Ashrivad/ AKG/Supreme
51	Pipes & fittings: UPVC	Finolex / Prince / Supreme / AKG / Kasta / Vector / Astral
52	Pipes & Gully Trap: Stone ware	Perfect / S.K.F/ R.K/ Hind / Anand
53	Pipes: M.S.	Jindal / Prakash – Surya /TATA
54	Pipes: R.C.C	Indian Hume Pipe / Pragati Concrete Udyog Daya/ KK / JSP
55	SS Gratings/ Soap Dish/Towel Rail etc.	Camry/Glacier/Gem/ Jaquar/ Grohe
56	Stainless Steel Sink	Hindware / Neelkanth / Nirali / Jayna
57	Valve: Butterfly	Zoloto/Audco /Sant/ KSB
58	Valve: Solenoid	Rain Bird, USA/Toro/Nelson,
59	Valve: Non Return	Sant/ Leader/ Zoloto / AIP / Kirloskar/ IVC/ Leader/ Audco
60	Vitreous China Sanitary wares	Hindware / Parryware / Cera / Kohler

61	Water supply pumps	KSB/ Grunfos/ Kirloskar/ Crompton/ Mather & Platt
62	Automatic Hand dryer	Jaguar/ Kopal / Utech Systems / Euronics Automat
63	CI Floor Trap	Roca/ Jaguar/ Kohler
64	UPVC Multi Inlet Floor Trap With Accessories	Finolex/ Supreme/ Prince/ Kissan/ Astral
C. ELECTRICAL WORK		
65	Ceiling /Exhaust/Wall fans	Crompton/ Usha/ Orient/ Bajaj/ Havells
66	Control fuse base with HRC fuse / HRC Fuse	L&T/ Siemens/ ABB/ Alstom/ Schnieder
67	Data/Telephone/TV Outlets	Systemax/ Belden/ Simone/ MK/ Legrand/ Havells/ Anchor
68	Fire Extinguisher	Ceasefire/ Exflame/ Minimax/ Life Guard/ Safex
69	HT & LT Cables (Power & Control Cables, Solar Cables)	Gloster/ Havells/ Nicco/ Finolex/ KEI/Polycab
70	Insulators	Jaya Shree/ Modern/ IEC/ WSI
71	LED Light Fixtures and Lamps	Philips/ Wipro/ Trilux /Havells
72	Lighting for Facade	Philips/ Wipro/ Trilux /Allurays/RZB/BEGA
73	Lightening Arrestors	L&P ELECTRO/ LPI/ Indelec
74	MCBs / RCCB/Isolaters / RCBO / Change over switch	Hager/ Havells/ Legrand/ L&T/ Schneider/ ABB/ Siemens
75	Modular Switches/ Socket outlets and wiring accessories with moulded cover plate	MK (wraparound plus) / Siemens (Delta)/ Legrand (mylinc)/ L&T (Entice)/ Havells (Crab tree-Athena)/ Anchor (Roma)/ Schnieder (Opale)/ Wipro (North-West)
76	MS Conduit	BEC/ AKG/ Steel Kraft
77	Street Light Poles & Light Fixtures – Solar & Conventional	Philips/ Wipro/ Havells/ Bajaj/ Keselac Schreder

SECTION VII

SCHEDULE OF QUANTITIES (SCHEDULE-A)

(SOQ/BOQ TO BE SUBMITTED BY THE BIDDER ONLINE IN M.S.
EXCEL FORMAT)

Name of Work: Renovation of Central Civil Services Cultural & Sports Board (CCSCSB) Sports Complex at Vinay Marg, New Delhi

SCHEDULE OF QUANTITIES

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		Subhead-1: Enclosing of cricket practice pitches arena with 10 feet high Iron chain link fencing, extension of pitches and development of bowler's end at the Vinay Marg sports complex, New Delhi					
		Part-A: Chainlink fencing & Safety Nets					
1	2.30.1	Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m. All kinds of soil	Each	30.00			
2	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m: All kinds of soil.	Cum	8.50			
3	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All	Cum	7.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		work up to plinth level in 1:3:6 (1 cement : 3 coarse sand (zone-III): 6 graded stone aggregate 20 mm nominal size derived from natural sources)					
4	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	6.00			
5	13.7.2	12 mm cement plaster finished with a floating coat of neat cement of mix: 1:4 (1 cement: 4 fine sand)	Sqm	45.00			
6	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes.	Kg	675.00			
7	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	1600.00			
8	16.70.2	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia. 4 mm, PVC coated to achieve outer	Sqm	238.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		dia not less than 5 mm in required colour and shade					
9	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work	Sqm	93.00			
10	NSI-1	Providing and fixing 65mm NB vertical pole members for cricket pitch safety net, 3.60mtr high above ground level and grouted as per manufacturer's specification complete with extension/ termination piece for jointng the horizontal pole members for top/side safety net fixing all complete as directed by Engineer-in-charge	Each	20.00			
11	NSI-2	Providing and fixing 65mm NB horizontal pole members into the vertical pole members for top/side safety net fixing all complete as directed by Engineer-in-charge	Mtr	135.00			
12	NSI-3	Providing and fixing green colour UV treated safety nets for cricket pitch, 2.5 mm twine thickness, 45mm-50mm square mesh size, including tightening the net with rope all complete as directed by Engineer-in-Charge (Garware or approved equivalent)	Sqm	700.00			
		Subtotal - Part-A:					
		Part-B: Extension & Laying Artificial Grass Cricket Pitch					
13	2.1.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth	Sqm	285.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge: All kinds of soil					
14	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:4:8 (1 cement : 4 coarse sand (zone-III): 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	21.00			
15	4.3.1	Centering and shuttering including strutting, propping etc. and removal of form for: Foundations, footings, bases for columns	Sqm	18.00			
16	16.75	Providing and laying C.C. floor/pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	Cum	26.00			
17	5.9.16.1	Centering and shuttering including strutting, propping etc. and removal of form for: Edges of slabs and breaks in floors and walls	Sqm	215.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		Under 20 cm wide					
18	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	225.00			
19	NSI-4	Supplying & laying of Artificial grass mat for cricket practice pitch of pile height 12mm with density 65000 stitches/mtr over PCC sub-base (to be paid separately) complete as directed by Engineer-in-charge - contractor shall provide a warranty for 3 years for this item	Sqm	312.00			
20	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	20.00			
		Subtotal - Part-B:					
		Part-C: Development of Bowler's run-up area					
21	2.28.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m: All kinds of soil	Sqm	850.00			
22	2.25(a) + 1.1.2 for	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 10km also	Cum	40.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
	addl. 5km	including rolling with 1/2 tonne roller or wooden or steel rammer and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation, site levelling etc. complete.					
23	16.64	Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand, including finishing smooth etc. complete as per direction of Engineer-in-charge.	Sqm	500.00			
24	16.74.1	75 mm thick filling for pitching/levelling including supplying of required materials and consolidation by rolling with 1/2 tonne roller or wooden or steel rammer etc. complete with: Moorum	Sqm	500.00			
		Subtotal - Part-C:					
		Total of Subhead-1: (Part-A + Part-B + Part-C)					
		Subhead-2: Construction of pavement and repair & painting of boundary wall & grills near entrance gate from Vinay Marg					
		Part-A: Construction of pavement					
1	16.82	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of	Mtr	90.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		serviceable material within 50 metre lead as per direction of Engineer-in-Charge.					
2	16.83	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	Sqm	115.00			
3	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth up to 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	Sqm	950.00			
4	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m: All kinds of soil.	Cum	25.00			
5	4.1.10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	10.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
6	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	35.00			
7	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	15.00			
8	16.64	Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand, including finishing smooth etc. complete as per direction of Engineer-in-charge.	Sqm	805.00			
9	16.74.1	75 mm thick filling for pitching/levelling including supplying of required materials and consolidation by rolling with 1/2 tonne roller or wooden or steel rammer etc. complete with: Moorum	Sqm	805.00			
10	Derived Rate 16.6.1	Supplying, stacking and Spreading 12 mm thick red bajri, watering and rolling complete including preparation of the	Sqm	805.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		surface and rolling. With road roller/ hand roller					
11	2.36 + 1.1.1 (1km lead)	Extra for disposing, levelling & neatly dressing of extra excavated soil inside campus to proper level and slope complete as directed by Engineer-in-charge	Cum	125.00			
		Subtotal - Part-A:					
		Part-B: Repair and Painting of Boundary wall & Grills					
12	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	550.00			
13	13.2.2	15 mm cement plaster on single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	Sqm	550.00			
14	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	50.00			
15	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	50.00			
16	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the	Sqm	550.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		surface even and smooth complete.					
17	13.48A.1	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	Sqm	550.00			
18	13.82.1	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. One coat	Sqm	1465.00			
19	13.99.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	Sqm	1140.00			
20	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	8.00			
		Subtotal - Part-B:					

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		Total of Subhead-2: (Part-A + Part-B)					
		Subhead-3: Construction of ramp and pavement, Concertina Coir Installation of boundary wall & grills along Madhu Limaye Marg/Vinay marg					
		Part-A: Construction of ramp & pavement					
1	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m: All kinds of soil.	Cum	9.50			
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	9.00			
3	2.25(a) + 1.1.2 for addl. 5km	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 10km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum	6.00			
4	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	7.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
5	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth up to 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	Sqm	110.00			
6	16.3.3	Supplying and stacking at site. 53 mm to 22.4 mm size stone aggregate	Cum	5.25			
7	16.3.7	Supplying and stacking at site. Stone screening 11.2 mm nominal size (Type B)	Cum	1.10			
8	16.3.10	Supplying and stacking at site. Moorum	Cum	0.50			
9	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density	Cum	4.25			
10	4.1.10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size	Cum	0.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		derived from natural sources)					
11	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:4:8 (1 cement : 4 coarse sand (zone-III): 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	5.00			
12	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	1.10			
13	NSI-5	Providing & laying Unistone or equivalent glass reinforced concrete (GRC) exterior paving tiles 22 mm thick in 'Cobblestone' finish of approved shade in sized of 152mm x 152mm as per manufacturer's specification in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).	Sqm	42.00			
14	13.2.2	15 mm cement plaster on rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	Sqm	12.00			
15	13.48A.1	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance	Sqm	12.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		exterior paint of required shade (Company Depot Tinted) with silicon additives. New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.					
16	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	200.00			
17	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	4.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
18	16.64	Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand, including finishing smooth etc. complete as per direction of Engineer-in-charge.	Sqm	92.00			
19	16.74.1	75 mm thick filling for pitching/levelling including supplying of required materials and consolidation by rolling with 1/2 tonne roller or wooden or steel rammer etc. complete with: Moorum	Sqm	92.00			
20	Derived Rate 16.6.1	Supplying, stacking and Spreading 12 mm thick red bajri, watering and rolling complete including preparation of the surface and rolling. With road roller/ hand roller	Sqm	92.00			
		Subtotal - Part-A:					
		Part-B: Raising of Boundary wall & Grills					
21	15.9.2	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : In cement mortar	Cum	5.00			
22	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction	Cum	2.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		of In cement mortar	Engineer-in-charge.				
23	15.19	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	Kg	140.00			
24	14.1.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	15.00			
25	7.2.1	Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like. Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	5.00			
26	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	1000.00			
27	13.2.2	15 mm cement plaster on single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	Sqm	10.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
28	13.33.2	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Raised and cut pointing	Sqm	2.00			
29	13.48A.1	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	Sqm	15.00			
30	13.99.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	Sqm	315.00			
31	16.53	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid	Mtr	280.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		separately)					
		Subtotal - Part-B:					
		Total of Subhead-3: (Part-A + Part-B)					
		Subhead-4: Miscellaneous works in Tennis Courts at the Vinay Marg sports complex, New Delhi					
		Part-A: Relaying of 2 nos Clay Tennis Court Surfaces					
1	Derived from 15.43.1	Dismantling manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge: Existing clay tennis court surface by scrapping top surface upto 100mm depth, removing all loose moorum and hacking all over the entire surface of Tennis Court	Each	760.00			
2	16.3.10	Supplying and stacking at site: Moorum	Cum	45.00			
3	16.3.5 + 25% for crushing	Supplying and stacking at site - Brick aggregate 90 mm to 45 mm including crushing to powder form by manual means all complete as directed by Engineer-in-charge	Cum	27.00			
4	Derived from 16.6.1 & 2.5	50 mm thick bottom layer for filling/levelling including watering and consolidation by rolling with roller etc. under moist conditions with Angle Tee/Cross Net Left & Right motion all complete as directed by Engineer-in-charge:	Sqm	760.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		Moorum & crushed clay bricks (material shall be paid separately)					
5	Derived from 16.6.1 & 2.5	25 mm thick middle layer for filling/levelling including watering and consolidation by rolling with roller etc. under moist conditions with Angle Tee/Cross Net Left & Right motion all complete as directed by Engineer-in-charge: Moorum & crushed clay bricks (material shall be paid separately)	Sqm	760.00			
6	Derived from 16.6.1 & 2.5	10 mm thick top layer for levelling including watering, and consolidation by rolling with roller etc. under moist conditions with Angle Tee/Cross Net Left & Right motion all complete as directed by Engineer-in-charge: Moorum & crushed clay bricks (material shall be paid separately)	Sqm	760.00			
7	16.74.2	Repair of filter layer underneath top clay surfacing layer by back filling including supplying of required materials and consolidation etc. complete with: Stone aggregate 20 mm nominal size	Cum	15.00			
8	NSI-6	Providing & fixing Tennis court poles/posts with nets as per ITF standard all complete as directed by Engineer-in-Charge Lawn Tennis Court Net, Nylon/HDPE, 45mm mesh size (Cosco / AMZ / approved equivalent) with a pair of standard poles with fixing mechanism	Set	2.00			
9	Lumpsum	Tennis Court marking as per standard rule and material in	Job	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		white colour					
		Subtotal - Part-A:					
		Part-B: Replacement of High Mast Lights					
10	NSI-7	Providing and fixing LED light, minimum 250Lux to existing high mast poles in the Tennis Courts including all necessary wiring, cabling, switch box and switches of approved make complete as directed by the Engineer-in-Charge	Each	4.00			
		Subtotal - Part-B:					
		Part-C: Installation of Steel Benches & Dugout					
11	NSI-8	Supplying and installation of sheet metal outdoor benches with backrest, SS 304 grade, hairline Satin or Mirror finish and laser cut perforated seating with fins/separators with 2 legs made of 2mm thick SS sheet fixed with the help of push-fit components and of size 1700mm (L) x 450mm (W) x 425mm (H) all complete as per approved brand and model/design including placing the bench in position by grouting in cement concrete blocks complete as directed by the Engineer-in-Charge (cement concrete block shall be paid separately) Ozone Model No. OZ-UF-BN-33 or approved equivalent	Each	6.00			
12	NSI-9	Supply and installation of movable MS structure dugout on minimum six seater of size 10'(L) x 4'(W) x 8'(H) welded with turf wheel and covered with extremely strong 3mm shatter	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		resistant clear polycarbonate protective covering etc. all complete as per direction of Engineer-in-charge					
		Subtotal - Part-C:					
		Part-D: Renovation of Toilet Block					
13	15.4	Demolishing R.B. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	2.00			
14	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	Cum	0.50			
15	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.	Cum	1.50			
16	15.5	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-in-charge.	Sqm	1.50			
17	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc.	Each	7.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		complete and stacking within 50 metres lead : f area 3 sq. metres and below					
18	15.23.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	92.00			
19	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in -Charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	2.50			
20	15.40.1	Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead: Thickness up to 40 mm	Sqm	0.50			
21	15.56	Dismantling old plaster or skirting and cleaning the surface including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	128.00			
22	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	15.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
23	14.17	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	Sqm	220.00			
24	14.81	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Each	3.00			
25	Lumpsum	Dismantling and removal of existing water supply & sanitary fittings and fixtures including disposal of the same as directed by Engineer-in-Charge	Lot	1.00			
26	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	Cum	6.50			
27	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m: All kinds of soil.	Cum	1.25			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
28	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	1.00			
29	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	6.50			
30	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:3:6 (1 cement : 3 coarse sand (zone-III): 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	2.75			
31	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	Sqm	1.00			
32	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	Sqm	1.00			
33	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
34	6.13.2 + 6.15	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level including providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	18.00			
35	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	0.75			
36	5.9.4	Centering and shuttering including strutting, propping etc. and removal of form for: Shelves (Cast in situ)	Sqm	8.00			
37	5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	4.50			
38	5.9.16.1	Centering and shuttering including strutting, propping etc. and removal of form for: Edges of slabs and breaks in floors and walls Under 20 cm	Mtr	17.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		wide					
39	5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	175.00			
40	5.23	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).	Sqm	15.00			
41	8.2.2.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade - Area of slab over 0.50 sqm	Sqm	2.00			
42	8.3.2	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	Mtr	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
43	8.5	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	Each	2.00			
44	8.31	Providing and fixing 1st quality ceramic glazed wall tiles, of size as approved, conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	62.00			
45	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 400x400mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, in colours and design of approved make, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	Sqm	32.00			
46	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including	Sqm	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		rubbing and polishing complete.					
47	13.1.2	12 mm cement plaster of mix 1:6 (1 cement: 6 fine sand)	Sqm	20.00			
48	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand)	Sqm	6.50			
49	13.11	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	Sqm	116.00			
50	13.16.1	6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)	Sqm	34.00			
51	21.1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Glazing, paneling and dash fasteners to be paid for separately) :					
51.1	21.1.1.3	For fixed portion	Kg	55.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)					
51.2	21.1.2.3	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg	25.00			
52	21.3.1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness (weight not less than 10 kg/ sqm)	Sqm	5.00			
53	21.17	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be	Kg	12.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		measured for payment).					
54	10.14.1.1	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B Fixing with adjustable lugs with split end tail to each jamb	Mtr	10.50			
55	9.21.1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked MS pressed butt hinges with necessary screws	Sqm	4.00			
56	9.21.3.	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of	Sqm	4.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		shutters: 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws					
57	9.127.2	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick	Sqm	4.50			
58	9.24.1	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured): Rectangular or square	Sqm	4.00			
59	9.17.2	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately): 18 mm thick	Sqm	10.00			
60	9.96.1	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
61	9.97.3	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 200x10 mm	Each	2.00			
62	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 125 mm	Each	2.00			
63	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	2.00			
64	9.90.2	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete. Size 50 mm	Each	24.00			
65	9.91	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	Each	24.00			
66	9.114.1	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with	Each	24.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		necessary screws etc. complete. Triple strip vertical type					
67	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	125.00			
68	13.37.1	White washing with lime to give an even shade : New work (three or more coats)	Sqm	34.00			
69	13.42.1 + 13.85.3	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work including a priming coat of water thinnable cement primer of approved brand and manufacture, having VOC content less than 50 grams/litre	Sqm	26.00			
70	13.45.1	Finishing walls with textured exterior paint of required shade: New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sqm	115.00			
71	13.85.1	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	Sqm	30.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
72	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	30.00			
73	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, and low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with white solid plastic seat and lid (Hindware Cat. No. 20011 EWC with Sleek Fresh cistern or approved equivalent)	Each	1.00			
74	Derived Rate 17.7.4	Providing and fixing under-counter wash basin with C.I. brackets, 15 mm C.P. brass pillar tap, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required: White Vitreous China oval wash basin size 560x450 mm with a single 15 mm C.P. brass pillar tap, long neck with aerator (Hindware Cat. No. 10049 wash basin, Jaquar Cat. No.CON-021KN pillar cock or approved equivalent)	Each	2.00			
75	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
76	17.32.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1200-1500mm wide x450mm high	Each	2.00			
77	17.34.1	Providing and fixing toilet paper holder - C.P. brass	Each	1.00			
78	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	2.00			
79	17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	2.00			
80	17.35.1.1	Providing and fixing soil, waste and vent pipes : 100 mm dia Sand cast iron S&S pipe as per IS: 1729	Mtr	2.00			
81	17.35.2.1	Providing and fixing soil, waste and vent pipes : 75 mm dia Sand cast iron S&S pipe as per IS: 1729	Mtr	15.00			
82	17.38.1.1	Providing and fixing bend of required degree with access	Each	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia Sand cast iron S&S as per IS - 1729					
83	17.38.2.1	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 75 mm dia Sand cast iron S&S as per IS - 1729	Each	2.00			
84	17.39.1.1	Providing and fixing plain bend of required degree. 100 mm dia Sand cast iron S&S as per IS - 1729	Each	1.00			
85	17.39.2.1	Providing and fixing plain bend of required degree. 75 mm dia Sand cast iron S&S as per IS - 1729	Each	2.00			
86	17.56.2.1	Providing and fixing terminal guard : 75 mm Sand cast iron S&S as per IS - 1729	Each	1.00			
87	17.58.1	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	Each	3.00			
88	17.58.2	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 75 mm	Each	18.00			
89	17.60.2.2	Providing and fixing trap of self cleansing design with	Each	6.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 75 mm outlet, Sand cast iron S&S as per IS - 1729					
90	18.8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal outer dia Pipes	Mtr	15.00			
91	18.7.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Exposed on wall 25mm nominal outer dia Pipes	Mtr	10.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
92	18.13.1	Making connection of G.I./CPVC distribution branch with main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore	Each	1.00			
93	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	Each	1.00			
94	18.74.2	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. 15 mm nominal bore with 45cm length	Each	3.00			
95	18.50.1	Providing and fixing C.P. brass long nose/body bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	1.00			
96	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	Each	6.00			
97	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	Each	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
98	18.58.1.1	Providing and fixing PTMT grating of approved quality and colour. Circular type - 100 mm nominal dia	Each	6.00			
99	18.76.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	Each	2.00			
100	19.6.1	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 100 mm dia. R.C.C. pipe	Mtr	10.00			
101	19.4.1.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type, With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2.00			
102	19.30.1.1	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5	Each	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single pipe line with common burnt clay F.P.S. (non modular) bricks of class designation 7.5					
103	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00			
104	19.21.1	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse	Each	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 100 to 250 mm diameter					
105	22.14.1	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	Cum	3.50			
106	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately). (For the purpose of measurement the entire treated surface	Sqm	45.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		will be measured.)					
107	12.19.1	Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat: With common burnt clay F.P.S. (non modular) brick tiles of class designation 10	Sqm	45.00			
108	18.22.2	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter	Each	3.00			
109	NSI-10	Supply and installation toilet cubicles of size (width & depth) as per approved layout drawings and height 1995 mm, made from solid grade compact high pressure HDF manufactured under high specific pressure > 5 MPa with top layer design papers impregnated with thermosetting phenolic resin to provide superior scratch, abrasion, heat, chemical, impact, graffiti & moisture resistance along with anti-bacterial properties. Top head frame shall be fixed to the board with SS grade screws. The pilaster shall be slotted & affixed to the top head frame and secured from the top leaving all clear gap of 150mm from bottom and with support of adjustable SS 316 grade leg.	Nos	4.00			
		Panel thickness 12 mm, in suede finish with one door of size 600mm and Hardware & Accessories as under:: H shaped (Top) head frame structure made of extruded Aluminium grade 6063 T5-50 micron epoxy powder					

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		coated for surface protection. Size to be 30x70x1.6T. Corner joinery section size 40x16.5x1.8T. U- Channel wall joinery section size 22x16x1.6T. Door stopper section size 21x12.5x1.6T. Spring loaded matt finish Butt Hinges made from SS grade 304 and covers lacquer coated. Conical shape Coat hook with rubber stopper made from SS grade 304 and matt finished. Round Door knob diameter 30 mm with grooves for better hand grip made from SS grade 304 and matt finished. Rotating Thumb-turn locking system with privacy indicator made from SS grade 304 and matt finished. Stainless steel grade 304 screws, Hinges, Coat Hook, Adjustable Leg, SS Finish Alluminum U Channel, Door Stopper Channel & Toprail. Anti-rotation Nylon polyamide grade-6 expandable wall plugs. The cubicle to be fixed as per drawing layout and shall be completed as per drawing. Pacific Restroom Cubicles in Skylight Model or approved equivalent					
		Subtotal - Part-D:					
		Part-E: Repair & Painting of Fencing around tennis court					
110	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	25.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
111	15.38	Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead.	Sqm	25.00			
112	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	25.00			
113	Derived Rate 9.50	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to existing frames etc. including MS flat/angle beading and priming coat with approved steel primer all complete (MS flat/angle beading shall be paid extra).	Sqm	25.00			
114	13.99.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	Sqm	350.00			
115	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	25.00			
		Subtotal - Part-E					
	DSR 2018 Electrical	Part-F: Internal Electrical works of Toilet Blocks					
1	1.10.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor	Points	14.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group A					
2	1.14.4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.(2 X 6 sq. mm + 1 X 6 sq. mm earth wire)	Metre	30			
3	1.12	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	40			
4	1.31	Supplying and fixing suitable size GI box with modular plate andcover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	2			
5	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	1			
6	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	2			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
7	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 6 way , Double door	Each	1			
8	2.10.1	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	Each	4			
9	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	1			
10	2.12.1	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	Each	1			
11	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 Amps.	Each	1			
12	5.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Metre	20			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
13	17.5.4	Supplying and fixing 25 mm dia MS flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required.	Metre	10			
14	1.21.2	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm	Metre	20			
15	MR	Supply OF 6 W RECESS MOUNTED LED DOWNLIGHTER as/Specification, Aluminium housing, system wattage -7 w, Lumen pack -1200 with efficacy - 100lm/w,CRI-80. surge protection - 2kv, IP -20 with IS 10322 (part 5/Sec.1)-2012, (Toilets)	Each	6			
16	MR	Supply OF 12 W SURFACE MOUNTED LED DOWNLIGHTER as/Specification, Aluminium housing, system wattage -12 w, Lumen pack -1200 with efficacy - 100lm/w,CRI-80. surge protection - 2kv, IP -20 with IS 10322 (part 5/Sec.1)-2012, (Balcony /Corridors /Passage)	Each	4			
17	MR	Supply of exhaust fan 300 mm dia ,6 poles , Air Delivery 1290 cum/hr , rated speed 1350 rpm ,220 Volts PF 0.85 double ball bearing complete with blades, metal louvers etc.	Each	2			
18	MR	Supply of 10 W WH LED Mirror Light as / Specification, Polycarbonate housing, system wattage -10 w, Lumen pack - 1000w with efficacy - 100lm/w,CRI-80. , IP -20 with IS 10322 (part 5/Sec.1)-2012.	Each	2			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
19	1.33	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	2			
20	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	12			
21	1.50	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450mm sweep	Each	2			
		Subtotal - Part-F:					
		Total of Subhead-4: (Part-A + Part-B + Part-C + Part-D + Part-E+ Part-F)					
		Subhead-5: Development of Basketball and Volleyball Courts enclosures and laying new Volleyball Court surface at the Vinay Marg sports complex, New Delhi					
		Part-A: Shifting of chainlink fencing for Basketball & new fencing for Volleyball court					
1	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per	Cum	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)					
2	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	Cum	2.00			
3	15.18	Dismantling steel work in built up sections in angles, tees, flats, channels and pipes etc. including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	985.00			
4	15.38	Dismantling expanded metal or I.R.C. fabrics or chainlink fencing with necessary battens and beading including stacking the serviceable material within 50 metres lead.	Sqm	100.00			
5	Similar to 15.22	Marking of structural steel work required to be re-erected including placing in position true to line and level complete as directed by Engineer-in-charge.	Kg	985.00			
6	2.30.1	Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m. All kinds of soil	Each	35.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
7	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m: All kinds of soil.	Cum	8.50			
8	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:3:6 (1 cement : 3 coarse sand (zone-III): 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	8.00			
9	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	6.00			
10	13.7.2	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand)	Sqm	45.00			
11	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes.	Kg	1850.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
12	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	700.00			
13	16.70.2	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia. 4 mm, PVC coated to achieve outer dia not less than 5 mm in required colour and shade	Sqm	280.00			
14	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work	Sqm	175.00			
		Subtotal - Part-A:					
		Part-B: Extension of Basketball & Volleyball Court enclosure & laying new Volleyball court					
15	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth up to 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	Sqm	325.00			
16	16.3.3	Supplying and stacking at site. 53 mm to 22.4 mm size stone aggregate	Cum	41.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
17	16.3.7	Supplying and stacking at site. Stone screening 11.2 mm nominal size (Type B)	Cum	8.50			
18	16.3.10	Supplying and stacking at site. Moorum	Cum	4.00			
19	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density	Cum	33.00			
20	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:4:8 (1 cement : 4 coarse sand (zone-III): 8 graded stone aggregate 40 mm nominal size derived from natural sources)	Cum	25.00			
21	16.75	Providing and laying C.C. floor/pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-incharge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is	Cum	33.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		payable/ recoverable separately).					
22	5.9.16.1	Centering and shuttering including strutting, propping etc. and removal of form for: Edges of slabs and breaks in floors and walls Under 20 cm wide	Sqm	75.00			
23	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	1325.00			
24	NSI-11	Synthetic PU Flooring Supplying and Installation of synthetic outdoor Sports Flooring system PAVISINT SL-75 of 7mm thick composed of spormat high quality recycled rubber granules and polyurethane elastomers of thickness 9mm, tensile strength DIN 53571: 0.6-1.0 mPa coated with PU pore sealer and self leveling wear coat and top coat with 2 mm Polyurethane system, approved by BWF, FIBA / AENA category 3 With specifications of (i) Force Reduction (EN 14808): > 25%; (ii) Standard Deformation: >0.5mm; (iii) Rolling load: 1500N; (iv) Ball Bounce: 100%.; (v) Impact Resistance: 18Nm. The PU flooring shall be laid over PCC sub-base/flooring (to be paid separately), court making shall be done as per the games standard complete as directed by Engineer-in-Charge and 5 years warranty shall be provided for the item by the contractor. Total thickness Minimum: 7mm	Sqm	325.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
25	2.30.1	Excavating holes upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m. All kinds of soil	Each	2.00			
26	NSI-12	Providing & fixing volleyball court poles/posts with nets as per standard all complete as directed by Engineer-in-Charge	Set	1.00			
27	2.1.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge: All kinds of soil	Sqm	900.00			
28	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	90.00			
29	16.64	Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand, including finishing smooth etc. complete as per direction of Engineer-in-charge.	Sqm	900.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
30	16.74.1	75 mm thick filling for pitching/levelling including supplying of required materials and consolidation by rolling with 1/2 tonne roller or wooden or steel rammer etc. complete with: Moorum	Sqm	900.00			
31	2.36 + 1.1.1 (1km lead)	Extra for disposing, levelling & neatly dressing of extra excavated soil inside campus to proper level and slope complete as directed by Engineer-in-charge	Cum	90.00			
		Subtotal - Part-B:					
		Total of Subhead-5: (Part-A + Part-B)					
		Subhead-6: Part A) - Renovation of Offices and Toilets at the Vinay Marg sports complex, New Delhi					
1	14.1.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	215.00			
2	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	1000.00			
3	13.80	Providing and applying white cement based putty of	Sqm	1200.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.					
4	13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	615.00			
5	13.81.2	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats	Sqm	620.00			
6	13.87.1	White washing with lime to give an even shade : Old work (two or more coats)	Sqm	38.00			
7	13.99.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	Sqm	250.00			
8	13.62.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	75.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
9	13.54.1	Applying a coat of mordant solution on G.S. sheet: With a solution of 38 gms of copper acetate in a litre of soft water	Sqm	285.00			
10	13.53.1	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	Sqm	285.00			
11	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	75.00			
12	22.14.1	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	Cum	3.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
13	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. (For the purpose of measurement the entire treated surface will be measured.)	Sqm	45.00			
14	12.19.1	Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat: With common burnt clay F.P.S. (non modular) brick tiles of class designation 10	Sqm	45.00			
15	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc.	Each	20.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		complete and stacking within 50 metres lead : Of area 3 sq. metres and below					
16	15.23.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	120.00			
17	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in -Charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	5.00			
18	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:3:6 (1 cement : 3 coarse sand (zone-III): 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	5.00			
19	11.41.2	Providing and laying vitrified floor tiles incl skirting in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	Sqm	100.00			
20	21.1.1	Providing and fixing aluminium work for doors, windows,					

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Glazing, paneling and dash fasteners to be paid for separately) :					
20.1	21.1.1.3	For fixed portion Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg	100.00			
20.2	21.1.2.3	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg	115.00			
21	21.3.1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of	Sqm	12.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness (weight not less than 10 kg/ sqm)					
22	21.17	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	Kg	32.00			
23	10.14.1.1	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B Fixing with adjustable lugs with split end tail to each jamb	Mtr	27.00			
24	9.21.1	Providing and fixing ISI marked flush door shutters	Sqm	12.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked MS pressed butt hinges with necessary screws					
25	11.3.1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm	25.00			
26	11.6.1	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick	Sqm	5.00			
27	13.1.2	12 mm cement plaster of mix 1:6 (1 cement: 6 fine sand)	Sqm	20.00			
28	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand)	Sqm	20.00			
29	13.11	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	Sqm	20.00			
30	13.16.1	6 mm cement plaster of mix 1:3 (1 cement : 3 fine sand)	Sqm	20.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
31	12.41.2	Providing and fixing on wall face unplasticised Rigid PVC rain water ipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	Mtr	10.00			
32		Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.					
32.1	12.42.1.2	Coupler - 110mm	Each	3.00			
32.2	12.42.5.2	Bend 87.5° - 110mm	Each	3.00			
32.3	12.42.6.2	Shoe (Plain) 110mm	Each	3.00			
33	12.43.2	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 110mm	Each	10.00			
34	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, and	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with white solid plastic seat and lid (Hindware Cat. No. 20011 EWC with Sleek Fresh cistern or approved equivalent)					
35	17.7.4 + 17.8	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required: White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap with white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	2.00			
36	17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe - 32mm dia	Each	2.00			
37	17.32.2	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm	Each	2.00			
38	17.34.1	Providing and fixing toilet paper holder - C.P. brass	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
39	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	2.00			
40	17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	2.00			
41	18.8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal outer dia Pipes	Mtr	8.00			
42	18.7.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement	Mtr	5.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		and testing of joints complete as per direction of Engineer in Charge. Exposed on wall 25mm nominal outer dia Pipes					
43	18.13.1	Making connection of G.I./CPVC distribution branch with main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore	Each	1.00			
44	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	Each	1.00			
45	18.74.2	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. 15 mm nominal bore with 45cm length	Each	4.00			
46	18.50.1	Providing and fixing C.P. brass long nose/body bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	2.00			
47	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	Each	2.00			
48	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		IS:8931 15mm nominal bore					
49	18.58.1.1	Providing and fixing PTMT grating of approved quality and colour. Circular type - 100 mm nominal dia	Each	4.00			
50	18.76.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	Each	2.00			
51	18.48A	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI: 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately.	Litre	1000.00			
52	Lumpsum	Replacement of hardwares for doors/windows as required	Lot	1.00			
		Total of (A):					
		Subhead-6: Part B) Reconstruction of toilet blocks T1, T2, T3 with all watersupply & sanitary works					
1	15.41	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	Sqm	70.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
2	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	300.00			
3	15.28.1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet	Sqm	32.00			
4	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	Each	6.00			
5	15.23.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	16.00			
6	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in -Charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	1.50			
7	15.56	Dismantling old plaster or skirting and cleaning the surface including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	7.00			
8	Lumpsum	Dismantling and removal of existing water supply & sanitary fittings and fixtures including disposal of the same as	Lot	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		directed by Engineer-in-Charge					
9	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	1.50			
10	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size) including providing water proofing compound as per manufacturer's specifications	Sqm	5.75			
11	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	5.75			
12	6.4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	14.00			
13	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement	Cum	0.60			

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		with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size derived from natural sources).					
14	5.9.19	Centering and shuttering including strutting, propping etc. and removal of form for: Weather shade, Chajjas, corbels etc., including edges	Sqm	3.50			
15	5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for: Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	5.50			
16	5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	40.00			
17	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes.	Kg	225.00			
18	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277,	Sqm	32.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.					
19	8.31	Providing and fixing 1st quality ceramic glazed wall tiles, of size as approved, conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	30.00			
20	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 400x400mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, in colours and design of approved make, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	Sqm	12.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
21	13.1.2	12 mm cement plaster of mix 1:6 (1 cement: 6 fine sand)	Sqm	20.00			
22	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand)	Sqm	83.00			
23	21.1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Glazing, paneling and dash fasteners to be paid for separately) :					
23.1	21.1.1.3	For fixed portion Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg	25.00			
23.2	21.1.2.3	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Polyester powder coated aluminium (minimum thickness of	Kg	10.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		polyester powder coating 50 micron)					
24	21.3.1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness (weight not less than 10 kg/ sqm)	Sqm	2.50			
25	10.14.1.1	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B Fixing with adjustable lugs with split end tail to each jamb	Mtr	15.00			
26	9.21.2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 30 mm thick including ISI marked MS pressed butt hinges with	Sqm	4.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		necessary screws					
27	9.96.1	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	Each	3.00			
28	9.97.3	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 200x10 mm	Each	6.00			
29	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 125 mm	Each	6.00			
30	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	105.00			
31	13.42.1 + 13.85.3	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work including a priming coat of	Sqm	20.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		water thinnable cement primer of approved brand and manufacture, having VOC content less than 50 grams/litre					
32	13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	85.00			
33	13.85.1	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	Sqm	11.00			
34	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	11.00			
35	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, and low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with white solid plastic seat and lid (Hindware Cat. No. 20011 EWC with Sleek Fresh cistern or approved equivalent)	Each	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
36	17.7.4 + 17.8	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required: White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap with white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	3.00			
37	17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe - 32mm dia	Each	3.00			
38	17.32.2	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm	Each	3.00			
39	17.34.1	Providing and fixing toilet paper holder - C.P. brass	Each	3.00			
40	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	3.00			
41	17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.	Each	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.					
42	17.35.1.1	Providing and fixing soil, waste and vent pipes : 100 mm dia Sand cast iron S&S pipe as per IS: 1729	Mtr	6.00			
43	17.35.2.1	Providing and fixing soil, waste and vent pipes : 75 mm dia Sand cast iron S&S pipe as per IS: 1729	Mtr	15.00			
44	17.38.1.1	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia Sand cast iron S&S as per IS - 1729	Each	3.00			
45	17.38.2.1	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 75 mm dia Sand cast iron S&S as per IS - 1729	Each	3.00			
46	17.39.1.1	Providing and fixing plain bend of required degree. 100 mm dia Sand cast iron S&S as per IS - 1729	Each	3.00			
47	17.39.2.1	Providing and fixing plain bend of required degree. 75 mm dia Sand cast iron S&S as per IS - 1729	Each	3.00			
48	17.56.2.1	Providing and fixing terminal guard : 75 mm Sand cast iron S&S as per IS - 1729	Each	3.00			
49	17.58.1	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :	Each	9.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		100 mm					
50	17.58.2	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 75 mm	Each	12.00			
51	17.60.2.2	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 75 mm outlet, Sand cast iron S&S as per IS - 1729	Each	6.00			
52	18.8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal outer dia Pipes	Mtr	16.00			
53	18.7.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement	Mtr	20.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		and testing of joints complete as per direction of Engineer in Charge. Exposed on wall 25mm nominal outer dia Pipes					
54	18.13.1	Making connection of G.I./CPVC distribution branch with main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore	Each	3.00			
55	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	Each	3.00			
56	18.74.2	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. 15 mm nominal bore with 45cm length	Each	6.00			
57	18.50.1	Providing and fixing C.P. brass long nose/body bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	6.00			
58	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	Each	6.00			
59	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to	Each	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		IS:8931 15mm nominal bore					
60	18.58.1.1	Providing and fixing PTMT grating of approved quality and colour. Circular type - 100 mm nominal dia	Each	6.00			
61	18.76.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	Each	3.00			
62	19.6.1	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 100 mm dia. R.C.C. pipe	Mtr	9.00			
63	19.4.1.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type, With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	3.00			
64	19.30.1.1	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg	Each	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single pipe line with common burnt clay F.P.S. (non modular) bricks of class designation 7.5					
65	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
66	19.21.1	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 100 to 250 mm diameter	Each	3.00			
67	18.22.2	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter	Each	3.00			
		Total - Part-B:					
		Total of Subhead-6: (Part-A + Part-B)					
		Subhead-7: Open Stage making with grass top on raised ground in eastern side of ground no. 3 & Miscellaneous works					
		Part-A: Stage development with periphara walls					
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	Cum	70.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
2	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m: All kinds of soil.	Cum	30.00			
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	6.00			
4	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	1.50			
5	2.36 + 1.1.1 (1km lead)	Extra for levelling & neatly dressing of disposed soil inside campus to proper level and slope complete as directed by Engineer-in-charge	Cum	90.00			
6	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:3:6 (1 cement : 3 coarse sand (zone-III): 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	9.00			
7	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level in 1:2:4 (1 cement : 2 coarse sand	Cum	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		(zone-III): 2 graded stone aggregate 20 mm nominal size derived from natural sources)					
8	5.9.1	Centering and shuttering including strutting, propping etc. and removal of form for: Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	3.00			
9	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 6 coarse sand)	Cum	30.00			
10	11.29.1	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand), including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone. Red sand stone	Sqm	45.00			
11	11.31	Extra for pre finished nosing in treads of steps of Kota stone/sand stone slab.	Mtr	220.00			
12	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix: 1:6 (1 cement: 6 fine sand)	Sqm	62.00			
13	13.48A.1	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives: New work (Two or more coats applied @ 1.43 litre/10 sqm. Over and including priming coat of	Sqm	62.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		exterior primer applied @ 0.90 litre/10 sqm.					
		Subtotal - Part-A:					
		Part-B: Horticulture works					
14	2.28.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m: All kinds of soil	Sqm	720.00			
15	2.1.1 + [2.36+1.1.1 (1km lead)]/5	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan, getting out and disposal of excavated earth within campus including levelling and neatly dressing of disposed soil complete as directed by Engineer-in-Charge: All kinds of soil	Sqm	100.00			
16	2.29.1	Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same. All kinds of soil	Sqm	815.00			
17	2.2 + 1.1.2x5 (Hort)	Supplying and stacking of good earth at site including royalty and carriage upto 10 km complete (earth measured in stacks will be reduced by 20% for payment).	cum	50.00			
18	2.25 + 1.1.3x5 (Hort)	Supplying and stacking of well decayed cattle manure at site including royalty and carriage upto 10 k.m.lead complete (Cattle manure measured in stacks will reduced by 8% for Payment).	cum	45.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
19	2.35 (Hort)	Supplying & Stacking of Selection No.1/doob grass at site fresh & free from weeds having proper roots in green including loading, unloading, carriage and all taxes paid etc.and as per direction of officer in charge.	sqm	200.00			
20	2.9 (Hort)	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	Cum	165.00			
21	2.8 (Hort)	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately).	Cum	220.00			
22	2.7 (Hort)	Fine dressing of the ground.	Sqm	815.00			
23	2.10.1 (Hort)	Grassing with selection No. 1/ Doob grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and good earth shall be paid for separately). In rows 5 cm apart in both directions	sqm	815.00			
24	2.60 (Hort)	Removal of garden waste by TATA 407 or equivalent including loading/ unloading and carriage upto 1 km lead,complete disposal upto designated place as per direction of officer-in-charge.	Per Trip	2.00			
25	1.1.1 (Hort)	Removal of construction waste/ malba etc. from the site by mechanical transport including loading/ unloading and	Cum	5.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		carriage for all lead up to the nearest C&D waste management site for disposal all complete as per direction of officer-in-charge .					
		Subtotal - Part-B:					
		Part-C: Miscellaneous works					
26	NSI-13	Supplying and installation of pole mounted litter bin, each set a pair of 100Ltr capacity bin all complete as directed by the Engineer-in-Charge (Nilkamal or approved equivalent)	Set	10.00			
27	NSI-8	Supplying and installation of sheet metal outdoor benches with backrest, SS 304 grade, hairline Satin or Mirror finish and laser cut perforated seating with fins/separators with 2 legs made of 2mm thick SS sheet fixed with the help of push-fit components and of size 1700mm (L) x 450mm (W) x 425mm (H) all complete as per approved brand and model/design including placing the bench in position by grouting in cement concrete blocks complete as directed by the Engineer-in-Charge (cement concrete block shall be paid separately) Ozone Model No. OZ-UF-BN-33 or approved equivalent	Each	10.00			
28	LS	Repair/replacement of pole lights along Vinay Marg all complete as directed by Engineer-in-charge	Job	1.00			
		Subtotal - Part-C:					
		Total of Subhead-7: (Part-A + Part-B + Part-C)					

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		Subhead-8: Miscellaneous works in Tennis Courts at the President's Estate, New Delhi					
		Part-A: Relaying of 3 nos Clay Tennis Court Surfaces					
1	Derived from 15.43.1	Dismantling manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge: Existing clay tennis court surface by scrapping top surface upto 100mm depth, removing all loose moorum and hacking all over the entire surface of Tennis Court	Each	1150.00			
2	16.3.10	Supplying and stacking at site: Moorum	Cum	70.00			
3	16.3.5 + 25% for crushing	Supplying and stacking at site - Brick aggregate 90 mm to 45 mm including crushing to powder form by manual means all complete as directed by Engineer-in-charge	Cum	42.00			
4	Derived from 16.6.1 & 2.5	50 mm thick bottom layer for filling/levelling including watering and consolidation by rolling with roller etc. under moist conditions with Angle Tee/Cross Net Left & Right motion all complete as directed by Engineer-in-charge: Moorum & crushed clay bricks (material shall be paid separately)	Sqm	1150.00			
5	Derived from 16.6.1 & 2.5	25 mm thick middle layer for filling/levelling including watering and consolidation by rolling with roller etc. under moist conditions with Angle Tee/Cross Net Left & Right motion all complete as directed by Engineer-in-charge:	Sqm	1150.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		Moorum & crushed clay bricks (material shall be paid separately)					
6	Derived from 16.6.1 & 2.5	10 mm thick top layer for levelling including watering, and consolidation by rolling with roller etc. under moist conditions with Angle Tee/Cross Net Left & Right motion all complete as directed by Engineer-in-charge: Moorum & crushed clay bricks (material shall be paid separately)	Sqm	1150.00			
7	16.74.2	Repair of filter layer underneath top clay surfacing layer by back filling including supplying of required materials and consolidation etc. complete with: Stone aggregate 20 mm nominal size	Cum	22.00			
8	NSI-7	Providing & fixing Tennis court poles/posts with nets as per ITF standard all complete as directed by Engineer-in-Charge Lawn Tennis Court Net, Nylon/HDPE, 45mm mesh size (Cosco / AMZ / approved equivalent) with a pair of standard poles with fixing machanism	Set	3.00			
9	Lumpsum	Tennis Court marking as per standard rule and material in white colour	Job	3.00			
		Subtotal - Part-A:					
		Part-B: Replacement of High Mast Lights					
10	NSI-7	Providing and fixing LED light, minimum 250Lux to existing high mast poles in the Tennis Courts including all necessary	Each	16.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		wiring, cabling, switch box and switches of approved make complete as directed by the Engineer-in-Charge					
		Subtotal - Part-B:					
		Part-C: Installation of Steel Benches & Dugout					
11	NSI-8	Supplying and installation of sheet metal outdoor benches with backrest, SS 304 grade, hairline Satin or Mirror finish and laser cut perforated seating with fins/separators with 2 legs made of 2mm thick SS sheet fixed with the help of push-fit components and of size 1700mm (L) x 450mm (W) x 425mm (H) all complete as per approved brand and model/design including placing the bench in position by grouting in cement concrete blocks complete as directed by the Engineer-in-Charge (cement concrete block shall be paid separately) Ozone Model No. OZ-UF-BN-33 or approved equivalent	Each	8.00			
12	NSI-9	Supply and installation of movable MS structure dugout on minimum six seater of size 10'(L) x 4'(W) x 8'(H) welded with turf wheel and covered with extremely strong 3mm shatter resistant clear polycarbonate protective covering etc. all complete as per direction of Engineer-in-charge	Each	4.00			
		Subtotal - Part-C:					
		Part-D: Repair & Painting of Fencing around tennis court & other Miscellaneous works					

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
13	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	50.00			
14	15.38	Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead.	Sqm	36.00			
15	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	50.00			
16	Derived Rate 9.50	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to existing frames etc. including MS flat/angle beading and priming coat with approved steel primer all complete (MS flat/angle beading shall be paid extra).	Sqm	36.00			
17	10.25.2	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	25.00			
18	14.1.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering	Sqm	85.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)					
19	15.13.1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	Each	1.00			
20	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	85.00			
21	9.21.2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 30 mm thick including ISI marked MS pressed butt hinges with necessary screws	Sqm	2.00			
22	9.96.1	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	Each	1.00			
23	9.97.3	Providing and fixing aluminium tower bolts, ISI marked,	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 200x10 mm					
24	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 125 mm	Each	2.00			
25	11.20.1	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Light shade pigment using white cement	Sqm	5.00			
26	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	150.00			
27	13.46.1	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	150.00			
28	13.109.1	Finishing walls with water proofing cement paint of required	Sqm	150.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		shade: Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.					
29	13.99.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	Sqm	525.00			
30	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	36.00			
31	NSI-3	Providing and fixing green colour UV treated safety nets for tennis court, 2.5 mm twine thickness, 45mm-50mm square mesh size, including tightening the net with rope all complete as directed by Engineer-in-Charge (Garware or approved equivalent)	Sqm	450.00			
		Subtotal - Part-D					
		Part-E: Repair & Maintenance works at Building at Tennis Courts					
32	2.32	Clearing grass and other growths over roof and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	40.00			
33	15.26	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable	Sqm	25.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		material within 50 metres lead.					
34	15.28.2	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: Asbestos Cement sheet	Sqm	15.00			
35	14.79	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	Each	1.00			
36	14.75A	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	Litre	1000.00			
37	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	Each	6.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
38	15.13.1	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	Each	1.00			
39	15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	1.00			
40	14.82	Dismantling W.C. Pan/ Urinal pan/ Wash basin of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge.	Each	3.00			
41	14.84	Dismantling 15 to 40 mm dia G.I. /C.P.V.C. pipe etc. including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer-in-Charge. All Internal works	Metre	20.00			
42	15.23.1	Dismantling tile work in floors, dado and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles up to 25 mm	Sqm	25.00			
43	14.17	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	Sqm	20.00			
44	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design	Cum	0.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		mix)					
45	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.	Cum	1.00			
46	15.5	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-in-charge.	Sqm	3.50			
47	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	5.00			
48	14.13	Regrading terracing of mud phaska covered with tiles or brick, in cement mortar by dismantling tiles or bricks, removing mud plaster, preparing the surface of mud phaska to proper slope, relaying mud plaster gobri leaping and tiles or bricks, grouted in cement mortar 1:3 (1 cement : 3 fine sand), including replacing unserviceable tiles or bricks with new ones and disposal of unserviceable material to the dumping ground (the cost of the new tiles or brick excluded), all complete as per direction of Engineer-in-Charge.	Sqm	25.00			
49	12.19.1	Providing and laying brick tiles over mumty roofs, grouted	Sqm	25.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat: With common burnt clay F.P.S. (non modular) brick tiles of class designation 10					
50	12.8	Providing reinforced by organic fibres and/or inorganic synthetic fibres cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.	Sqm	15.00			
51	6.4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	0.25			
52	6.13.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	2.50			
53	13.1.2	12 mm cement plaster of mix 1:6 (1 cement: 6 fine sand)	Sqm	3.50			
54	13.11 + 13.27	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine	Sqm	3.50			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		sand) including making impression of brick joints matching with abutting wall segments.					
55	14.1.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	130.00			
56	13.28.1 (for 7.5cm band)	12 mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand): Raised Band - 50mm - 75mm wide	Mtr	30.00			
57	10.11.1	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Kg	50.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
58	10.13.1	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Kg	62.00			
59	10.30.1 + 9.12	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick frosted glass panes 4 mm thick	Sqm	5.00			
60	9.21.1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked MS pressed butt hinges with necessary screws	Sqm	2.00			
61	9.125	Providing and fixing PVC rigid foam sheet 1 mm thick on existing door shutters (bathroom and W.C. doors) using synthetic rubber based adhesive.	Sqm	4.00			
62	14.85	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		the Engineer-in-charge.					
63	8.31	Providing and fixing 1st quality ceramic glazed wall tiles, of size as approved, conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	22.00			
64	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 400x400mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, in colours and design of approved make, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	Sqm	6.00			
65	9.96.1	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	Each	3.00			
66	9.97.3	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade,	Each	3.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		with necessary screws etc. complete: 200x10 mm					
67	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete: 125 mm	Each	6.00			
68	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	250.00			
69	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sqm	110.00			
70	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	360.00			
71	13.42.1 + 13.43.1	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work including applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface	Sqm	360.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
72	13.37.1	White washing with lime to give an even shade : New work (three or more coats)	Sqm	150.00			
73	13.111.1	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	Sqm	345.00			
74	13.85.1	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	Sqm	4.00			
75	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	4.00			
76	13.99.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	Sqm	62.00			
77	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, and low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with white solid plastic seat and lid (Hindware	Each	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		Cat. No. 20011 EWC with Sleek Fresh cistern or approved equivalent)					
78	17.7.4 + 17.8	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back wash basin size 550 x 400 mm with single 15 mm C.P. brass pillar tap including Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	Each	1.00			
79	17.5.1	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each	1.00			
80	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	Each	1.00			
81	17.32.4	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded	Each	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1200-1500mm wide x450mm high					
82	17.34.1	Providing and fixing toilet paper holder - C.P. brass	Each	1.00			
83	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	1.00			
84	17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	1.00			
85	17.35.1.1	Providing and fixing soil, waste and vent pipes : 100 mm dia Sand cast iron S&S pipe as per IS: 1729	Mtr	2.00			
86	17.35.2.1	Providing and fixing soil, waste and vent pipes : 75 mm dia Sand cast iron S&S pipe as per IS: 1729	Mtr	10.00			
87	17.38.1.1	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia Sand cast iron S&S as per IS - 1729	Each	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
88	17.38.2.1	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 75 mm dia Sand cast iron S&S as per IS - 1729	Each	3.00			
89	17.39.1.1	Providing and fixing plain bend of required degree. 100 mm dia Sand cast iron S&S as per IS - 1729	Each	1.00			
90	17.39.2.1	Providing and fixing plain bend of required degree. 75 mm dia Sand cast iron S&S as per IS - 1729	Each	3.00			
91	17.56.2.1	Providing and fixing terminal guard : 75 mm Sand cast iron S&S as per IS - 1729	Each	1.00			
92	17.58.1	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	Each	3.00			
93	17.58.2	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 75 mm	Each	9.00			
94	17.60.2.2	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 75 mm outlet, Sand cast iron S&S as per IS - 1729	Each	4.00			
95	18.8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC)	Mtr	10.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20mm nominal outer dia Pipes					
96	18.7.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Exposed on wall 25mm nominal outer dia Pipes	Mtr	10.00			
97	18.13.1	Making connection of G.I./CPVC distribution branch with main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore	Each	1.00			
98	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	Each	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
99	18.74.2	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. 15 mm nominal bore with 45cm length	Each	2.00			
100	18.50.1	Providing and fixing C.P. brass long nose/body bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	2.00			
101	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	Each	1.00			
102	18.53.1	Providing and fixing C.P. brass angle valve of approved quality conforming to IS:8931 15mm nominal bore	Each	3.00			
103	18.58.1.1	Providing and fixing PTMT grating of approved quality and colour. Circular type - 100 mm nominal dia	Each	4.00			
104	18.22.2	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 150 mm diameter	Each	1.00			
105	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but	Litre	1000.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		without fittings and the base support for tank.					
106	18.76.1	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	Each	2.00			
107	19.30.1.1	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single pipe line with common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	1.00			
108	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand)	Each	1.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5					
109	19.21.1	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 100 to 250 mm diameter	Each	1.00			
110	19.6.1	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 100 mm dia. R.C.C. pipe	Mtr	5.00			
111	19.4.1.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the	Each	2.00			

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type, With common burnt clay F.P.S. (non modular) bricks of class designation 7.5					
112	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	1.00			
113	5.9.19	Centering and shuttering including strutting, propping etc. and removal of form for: Weather shade, Chajjas, corbels etc., including edges	Sqm	8.00			
114	5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	150.00			
		Subtotal - Part-E					
		Total of Subhead-8: (Part-A + Part-B + Part-C + Part-D + Part-E)					
		Grand Total of SH-1 + SH-2 + SH-3 + SH-4 + SH-5 + SH-6					

SOQ No.	DSR-2021 Code	Description	UoM	Qty	Rate (Including GST)		Amount
					Rs. In Figure	Rupees In Words	
		+ SH-7 + SH-8					
		Provisional Sum (For unforeseen works Lumpsum @ 2% approx to be utilized with approval of the TS authority on case to case basis during execution)					300,000.00
		Grand Total Amount including Provisional Sum					

SECTION VIII

TENDER DRAWINGS

(The tender drawings shall be uploaded separately on NHIDCL website as Enclosure-I.)

Note: The "Drawing(s) for Tender" in the RFP document for an understanding of the nature, scope and extent of the works to be undertaken for the bidders. "Good for Construction" (GFC) drawings for architectural, civil, plumbing, electrical and any others, if required, shall be provided during execution of the works by the Contractor in due course.