



**National Highways & Infrastructure Development Corporation Ltd.
(NHIDCL)
(A Government of India Undertaking)**

**NATIONAL COMPETITIVE BIDDING
(THROUGH E-TENDERING MODE)**

**Name of the Work: “CUSIONING WORK TO WELL STEINING OF LOHIT
BRIDGE P2, P3 & P4 THROUGH CIRCUMFERENTIALLY ARRANGED
SACRIFICIAL GEO BAGS”**

[Contract Package No.: NHIDCL/RO-ITA/02/N/LB/RR/2023-24]

REQUEST FOR PROPOSAL (RFP)

VOLUME-I

MAY’ 2023

**GD, APARTMENT, SENKI PARK, DIVISION-IV
NEAR GOVT. MIDDLE SCHOOL, ITANAGAR,
ARUNACHAL PARDESH-791111**

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(SECTION-I)
NOTICE INVITING TENDER
(E-TENDERING MODE ONLY)

National Highways & Infrastructure Development Corporation Limited

Notice Inviting e-Tender

(National Competitive Bidding through e-Tendering mode only)

Date: 09.05.2023

1. National Highways and Infrastructure Development Corporation Ltd. (hereinafter called “the Employer”) invites sealed bids in single stage two cover system i.e., the Technical and Financial Bids on Item Rate basis for the following works from the experienced Road/Bridge Contractors/firms/organizations excluding those firms who have been declared as non- performing by MoRT&H/NHAI/NHIDCL or the firms those are blacklisted/debarred for specified period by MoRT&H/NHAI/NHIDCL: -

| Sr. No. | Name of work/Contract Package | Estimated Civil Cost Put to Tender (Rs. Lakh) | Bids Security (Rs. in Lakh) 'EMD' | Time of Completion | Average annual turnover for last 5 Years (Rs. In Lakhs) | Eligibility Criteria as Completed work of similar nature during last 2 Years (Rs. In Lakhs) |
|---------|--|---|-----------------------------------|---|---|--|
| 1 | <u>CUSIONING WORK TO WELL</u> <u>STEINING OF LOHIT BRIDGE</u> <u>P2, P3 & P4 THROUGH</u> <u>CIRCUMFERENTIALLY</u> <u>ARRANGED SACRIFICIAL</u> <u>GEO BAGS</u> | 155.10 Lakh (INCLUSIVE OF ALL TAXES & GST) | 3.10 | Contract shall be valid for 06 Months from Signing of Contract Agreement | At least 100% of the estimated civil cost | One similar Completed work not less than the amount equal to 75% of the total value of contract (Rs.116.33 Lakhs) |

Cost of Bid Documents: Rs. 11,800/- in the form of DD in favour of Executive Director (P), RO, Itanagar, National Highways & Infrastructure Development Corporation Limited (NHIDCL) [NON-REFUNDABLE].

1. Date of Publishing of tender is from **09.05.2023**.
2. The complete BID document can be viewed / downloaded from web Portal <https://eprocure.gov.in/eprocure/app> from **09.05.2023** to **25.05.2023** (up to 15.00 Hrs. IST).
3. Bidder must submit its Technical Bid and Financial bid at <https://eprocure.gov.in/eprocure/app> on or before **25.05.2023** up to **1500 hours** IST. Bids received online shall be opened on **26.05.2023** (at **1500 Hrs** IST).
4. Bid documents can be seen at and downloaded from the website www.nhidcl.com and <https://eprocure.gov.in/eprocure/app>. Bid documents contain qualifying criteria for bidder, specification, bill of quantities, conditions and other details.
5. The site for the work is available for Repair & Maintenance and other requisite works as and when required as per work order on Item Rate Basis.

6. Bidder shall submit the following documents:
- i) **Copy of PAN Card**
 - ii) **Demand Draft for Cost of documents or receipt of Bank Transaction.**
 - iii) **Demand Draft/Bank Guarantee for Bid Security (EMD) or receipt of Bank Transaction.**
 - iv) **Original Copy of turnover certificate for the last 5 years from the Chartered Accountant mentioning the UDIN number.**
 - v) **Original Certificate from the Engineer-in-Charge of the rank of Executive Engineer or equivalent for the Existing Commitments & Ongoing Works including the work for which appointed date has been given.**
7. The interested bidder can download the NIT / bidding document from the website <https://eprocure.gov.in/eprocure/app> & www.nhidcl.com
8. To participate in bidding process, bidders have to get (DSC) “Digital Signature Certificate” as per Information Technology Act-2000, to participate in online bidding. This certificate will be required for digitally signing the bid. Bidder can get above mentioned digital certificate from any approved vendors. The Bidder, who already possess valid (DSC)” Digital Signature Certificate” need not to procure new Digital Signature Certificate.
9. The bidders have to submit their bids online in electronic format with Digital Signature. The bid cannot be uploaded without Digital Signature.
10. Bids will be opened online as per time schedule mentioned at Sr. No.18.
11. Before submission of online bids, bidder must ensure that scanned copy of all the necessary documents have been attached with bid.
12. The department will not be responsible for delay in online submission of bids whatsoever reasons maybe.
13. All the required information for bid must be filled and submitted online.
14. Bidders should get ready with the scanned copies of cost of documents & Bid Security as specified in the tender documents. The original instruments in respect of cost of documents, Bid Security and relevant documents will be submitted to the Tenders Inviting Authority by Registered post/courier/by hand as per time schedule specified.
15. The details of cost of documents, Bid Security specified in the tender documents should be the same, as submitted online (Scanned copies) otherwise bid will not be accepted.
16. Bidders are advised to study the procedures related to e-procurement by Government of India, carefully before submission of Bids. For this, Bidders may refer the Bidders Manual Kit available in the Central Public Procurement Portal of Government of India (<https://eprocure.gov.in/eprocure/app>).
17. The guidelines for submission of bid online can be downloaded from the website www.nhidcl.com & <https://eprocure.gov.in/eprocure/app>.
18. **Schedule of Bidding Process**

The Company shall endeavor to adhere to the following schedule:

| S. No | Description | Period |
|-------|--|--|
| 1. | Date of issue of NIT | 09.05.2023 |
| 2. | Date of issue of Sale of Tender Documents | 09.05.2023 |
| 3. | Date of close of sale of Tender Documents (through online) | 25.05.2023 (upto 15:00 Hrs) |
| 4. | Last Date of receipt of Pre-Bid Queries | 18.05.2023 (till 1500 hours) |
| 5. | Date of Pre-Bid meeting | 18.05.2023 (at 1500 Hrs) at Regional Office, Itanagar, Arunachal Pradesh. |
| 6. | Date of uploading of reply to the pre-bid queries | 19.05.2023 (if any) |
| 7. | Date of submission of Tender/Bid (online & hard copy) | 25.05.2023 (upto 15:00Hrs) |
| 8. | Opening of Technical BIDs at venue | 26.05.2023 (1500 Hrs) |
| 9. | Date of Uploading of list of Technically Qualified Applicants | To be intimated later |
| 10. | Date of Opening of Financial Bids of Qualified Applicants | To be intimated later |
| 11. | Date of issue of letter of award (LOA) | To be intimated later |
| 12. | Validity of Bid | 120 Days |
| 13. | Return of signed duplicate copy of LOA | To be intimated later |
| 14. | Submission of Performance Security (PS) and Additional Performance Security (APS), if any | Within 07 days of receipt of LOA. |
| 15. | Signing of Agreement | Within 10 days of receipt of LOA. |

19. Conditional bids would be rejected.
20. Any corrigendum or information with regard to this NIT shall only be uploaded online on www.nhidcl.com & <https://eprocure.gov.in/eprocure/app>.
21. NHIDCL reserves the right to accept/reject any or all the bids without assigning any reasons thereof.

Date: 09.05.2023

Executive Director (Projects)
National Highways & Infrastructure Development Corporation Ltd.
Regional Office, Itanagar
GD Apartment, Senki Park, Division-IV, Near Govt. Middle School -791113
e-mail: sunil.kumar64@nhidcl.com
Ph.: +91-98788 71064, +91-94529 12345
Tel. 0360-2310008

(SECTION-II)
INSTRUCTIONS TO BIDDERS
&
APPENDIX TO BID

Section II: Instructions to Bidders

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Section II
Instructions to Bidders
(ITB)
A. General

1. Scope of Bid

- 1.1 The Employer (i.e., Managing Director, National Highways & Infrastructure Development Corporation Ltd.) invites bids for **“CUSIONING WORK TO WELL STEINING OF LOHIT BRIDGE P2, P3 & P4 THROUGH CIRCUMFERENTIALLY ARRANGED SACRIFICIAL GEO BAGS “the works”**.
- 1.2 The name and identification number of the works is provided in the Notice Inviting Tender.
- 1.3 The successful bidder will be expected to complete the works by the intended completion date specified in the Contract data.
- 1.4 Throughout these Bidding Documents, the terms “bid” and “tender” and their derivatives (bidder/tender, bid/tender, bidding/tendering, etc.) are synonymous.
- 1.5 The quantities given in the BOQ are indicative and may not be required to be fully executed.

2. Source of Funds

- 2.1 The expenditure on this project will be met by National Highways & Infrastructure Development Corporation Limited (NHIDCL).

3 Eligible Bidders

- 3.1 This Invitation for Bids is open to all bidders meeting the qualification requirements prescribed in this document.
- 3.2 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.

4 Qualification of the Bidder

- 4.1 Deleted
- 4.2 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; & original copy of Written Power of Attorney to be submitted in the envelope of physical form. (Pl. Refer clause 12.2 of ITB).
 - b) Scanned copy of total monetary value of civil engineering construction works performed for each of the last five years; (2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023).

- c) Scanned copy of **Experience Certificate** in works of a similar nature and size for each of the **Last Two Years** (commencing from year **2021-22**) with certificates from the concerned officer of the rank of Executive Engineer or equivalent;
- d) Scanned copy of evidence of availability (either owned or leased or rented) of items of construction equipment named in the Appendix to ITB. [Clause 4.4 B(b)(i)]
- e) Scanned copy of details of the technical personnel proposed to be employed for the Contract having the qualifications defined in Appendix to ITB. [Clause 4.4 B(b)(ii)]
- f) 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 years mentioning the UDIN in the certificate;
- g) Scanned document in support of evidence access to line (s) of credit and availability of other financial resource facilities (10 % of Contract value), certified by bankers (not more than 3 months old).
- h) Scanned undertaking that the bidder will be able to invest minimum cash up to 25% of contract value of work, during implementation of work.
- i) 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;
- j) Scanned copy of DD of Bid Document Fee or receipt for online payment.
- k) Scanned copy of Earnest Money Deposit (EMD) or receipt of online payment.

43 Bids from joint ventures, consortiums, combination or any sort of arrangement between two or more than two entities are not allowed.

44 A. To qualify for award of the contract, each bidder in its name should have the following; -

- a) Achieved an Average Annual Financial Turnover (in all classes of Civil Engineering Construction Works only) equal to the amount indicated in **NIT during last five years ending 31st March of the previous Financial Year, duly certified by Chartered Accountant.**
- b) Satisfactorily Completed (not less than 90% of contract value), as a Prime Contractor (or as a nominated subcontractor, provided further that all other qualification criteria are satisfied) similar works during last two years ending last day of month previous to the one in which bids are invited, at least one contract of Bank Protection/ River Training Works of **75% of the value of contract. (Rs. 116.33 Lakh).**

[The “similar work” constitutes Bank Protection/ River Training Works (The base year should be considered as 2023-24)]

(Following escalation factor shall be used to bring the value of such completed works at the level of current financial year i.e., 2023-24)

| Year Before | Multiplying Factor |
|-------------|--------------------|
| One | 1.10 |
| Two | 1.21 |
| Three | 1.33 |
| Four | 1.46 |
| Five | 1.61 |

4.4 B. Following documents on Stamp Paper are also to be submitted with the Bid:

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

b) Each bidder must demonstrate:

- i. Evidence of availability (either owned or leased or rented) of the key equipment's for this work as stated in the Appendix to ITB.
- ii. Availability for this work of personnel with qualification & experience as stated in the Appendix to ITB.

4.4 Contractors' experience and resources shall not be taken into account in determining the bidder's compliance with the qualifying criteria.

4.5 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* N* 2.5 – B+C)]

WHERE:

A = Maximum value of civil engineering works executed in any one year during the last five years (escalation factor as specified in this section shall be used to bring the maximum value of civil engineering works to the level of current financial year i.e., 2022-23) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which bid is invited.

B = Value (escalation factor as specified in this section shall be used to bring the value to the level of current financial year i.e., 2023-24) of existing commitments and on-going works to be completed during the next 03 months (period of completion of the works for which bid is invited).

C= The amount of bonus received, if any, in EPC Projects during last 5 years (updated to the price level of the year indicated in the above table)

4.6 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
- iii. Tampered the bid document in any manner.

5 One Bid per Bidder

Each Bidder shall submit only one Bid for a particular package. A Bidder who submits more than one Bid for the same package will cause be disqualified.

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

The Bidder, at his own cost, responsibility and risk, is encouraged to visit, examine and familiarize himself with the Site of Works and its surroundings including source of earth, water, road aggregates etc. 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. He may contact the Project Monitoring Unit of NHIDCL in this regard.

Section II

Instructions to Bidders

(ITB)

B. Bidding Documents (Online)

8 Content of Bidding Documents

8.1 The set of bidding documents comprises the documents listed below and addenda (if any) issued in accordance with Clause 10 of RFP document:

Volume- I: -

1. Notice Inviting Tender
2. Instructions to Bidders & Appendix to Bid
3. Qualification Information
4. Forms Bank Guarantee, Agreement & LOA
5. Conditions of Contract & Contract Data
6. Scope of work
7. Technical Specifications
8. Implementation Manual & Maintenance Intervention Levels

Volume - II: -

8.2 Bill of Quantities (Should be filled in the prescribed format given in the bid document)

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. Pursuant to clause 26 hereof, 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 through e-mail, at the e-mail ID specified in NIT and/or through a letter addressed to the Tender Inviting Authority, indicated in NIT. The Employer will respond to any request for clarification received earlier than 10 days prior to the deadline for submission of bids. Copies of the Employer's response will be hosted on website i.e. www.nhidcl.com & <https://eprocure.gov.in/eprocure/app> 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

- 9.2.1 The bidder or his official representative is invited to attend pre-bid meeting which will take place at the address, venue, time and date as indicated in appendix.
- 9.2.2 The purpose of the meeting will be to clarify issues and to answer question on any matter that may be raised at that stage.
- 9.2.3 The bidder is requested to submit any questions in writing or by cable/email so as

to reach the Employer not later than one week before the meeting. Minutes of the meeting, including the text of the questions raised (without identifying the source of the enquiry) and the responses given will be transmitted without delay on website. Any modifications of the bid documents listed in Clause 8.1, which may become necessary as a result of the pre-bid meeting or which are required in the opinion of the Employer 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.

- 9.2.4 The bidder or his official representative is invited to attend pre-bid meeting which will take place at the office of:

The Executive Director (P),

NHIDCL, Regional Office, Itanagar,

GD Apartment, Senki Park, Division-IV, Near Govt. Middle School, Itanagar-791113

e-mail: sunil.kumar64@nhidcl.com,

Ph.: +91-98788 71064, +91-94529 12345,

Tel. 0360-2310008

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 online on <https://eprocure.gov.in> and www.nhidcl.com. Bidders are advised to keep them self-updated of all the addendums issued on e-tendering portal by suitably checking the aforementioned website/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.
- 10.3** To give prospective bidders reasonable time to take an addendum into account in preparing their bids, the Employer shall extend, as necessary, the deadline for submission of bids, in accordance with Clause 20.2.

Section II

Instructions to Bidders (ITB)

C. Preparation of Bids

11 Language of Bid

All documents relating to the Bid shall be in English.

12 Documents Comprising the Bid

12.1 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.

12.2 Documents to be submitted in physical form must reach the at the office address mentioned hereunder:

The Executive Director (Projects)

National Highways & Infrastructure Development Corporation Ltd.

Regional Office, Itanagar

GD Apartment, Senki Park, Division-IV, Near Govt. Middle School

Itanagar, Arunachal Pradesh-791113

e-mail: sunil.kumar64@nhidcl.com

Ph.: +91-98788 71064, +91-94529 12345

Tel. 0360-2310008

On or before Bid Due Date i.e., 25.05.2023 at 15:00 Hrs.

Though, the scanned copies of following documents are required to be uploaded during submission of e-bid on the e-tendering portal, as per clause 12.1 above, however, following original documents in physical form shall be submitted in a sealed envelope by **15.00 Hrs.** on the date of submission of bid and addressed to the addressee given in the NIT duly super scribed “**Name of Work, Bid due date and time**”. Name and address of the bidder should also be indicated on the envelope.

- a) Receipt of online payment of EMD/Electronic Bid Security
 - b) Receipt of online payment of Bid Document Fee
 - c) Deleted
 - d) Written Power of Attorney of the signatory (whose digital signature certificate is used during e-tender submission) of the bidder to commit the bid
 - e) Affidavit Duly Notarized as specified in the RFP.
 - f) Original Experience Certificate or notarized copy of certificate duly signed by authorized signatory.
- 122** 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. | 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 i.e. <https://eprocure.gov.in/eprocure/app>. 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 All duties, taxes including GST, royalties and other levies payable by the Contractor under the Contract, or for any other cause, shall be included in the rates, prices, and total Bid price submitted by the Bidder.
- 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.

14 Currencies of Bid and Payment

- 14.1 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. 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 in all respects.

16 Earnest Money / Bid Security/ Forfeiture/Debarment

- 16.1 The Bidder shall furnish, as part of the Bid, Earnest Money/Bid Security, in the amount as specified in the NIT.
- 16.2 The Earnest Money/ Bid Security shall, at the Bidder's option, be in the form of Bank Guarantee/Demand Draft/Online Payment (NEFT/RTGS) only (the other**

form will not be acceptable) of any scheduled commercial bank approved by RBI having a net worth of not less than Rs. 500 crores as per the latest annual report of the bank must be in the name of Employer. In case of foreign bank (issued by a branch in India) the net worth in respect of the Indian operations shall only be taken into account. It shall be valid for 45 days beyond the validity of the bid.

163 A. Bank Guarantee or Demand Draft receipts, in the name of the Employer, from following banks would be accepted: -

- i. State Bank Of India or its subsidiaries,
- ii. Any Indian Nationalized Bank
- iii. IDBI/ICICI Bank
- iv. A Foreign Bank (issued by a branch outside India) with a counter guarantee from SBI or its subsidiaries or any Indian Nationalized Bank
- v. Any Scheduled Commercial Bank approved by RBI having a net worth of not less than Rs. 500 Crores as per the 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 operations shall only be taken into account.

B. The acceptance of the guarantees 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 (presently 9, with effect from 3rd March, 2003,).
- ii. The bank guarantee issued by a Cooperative Bank shall not be accepted.

164 Any bid not accompanied by an acceptable bid security shall be rejected by the Employer as non-responsive.

165 The Bid Security of unsuccessful bidders will be returned within 28 days of the end of the Bid validity period specified in Sub-Clause 15.1 or award of Contract Package, whichever is earlier.

166 The Bid Security of the successful Bidder will be discharged when the Bidder has signed the Agreement and furnished the required Performance Security.

167 The Bid Security/ Earnest Money will be forfeited:

- i. if the Bidder withdraws the Bid after its submission during the period of Bid validity;
- ii. if the Bidder does not accept the correction of the bid price, pursuant to Clause 27; or
- iii. in the case of a successful Bidder, if the Bidder fails within the specified time limit to
 - a) Sign the Agreement; and/or
 - b) Furnish the required Performance Security.

16.7 In case of forfeiture of Bid Security, the bidder shall also be debarred from participation in the works of NHIDCL for a period as decided by the Authority.

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

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

All pages of the documents to be uploaded online/submitted in the physical form along with the demand draft for fees/security shall be typed or written in ink and shall be signed by a person duly authorized to sign on behalf of the bidder. Documents 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 along with the stamp by the person or persons authorized for signing the Bid.

Section II

Instructions to Bidders (ITB)

D. Submission of Bids

19 Marking of Bids

The documents to be submitted in physical form as per clause 12.2 of ITB shall be submitted in a sealed Envelope super scribed as “Documents in Physical Form” at the top left corner.

20 Deadline for Submission of Bids

Complete e-Bid to be uploaded on the CPP portal i.e. <https://eprocure.gov.in/eprocure/app> before due date & time. The Envelope containing “Documents in Physical Form” must also be received by the Employer at the address below not later than the date and time indicated in the NIT”. 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:

The Executive Director (Projects)

National Highways & Infrastructure Development Corporation Ltd.

Regional Office, Itanagar

GD Apartment, Senki Park, Division-IV, Near Govt. Middle School

Itanagar, Arunachal Pradesh-791113

e-mail : sunil.kumar64@nhidcl.com

Ph.: +91-98788 71064, +91-94529 12345

Tel. 0360-2310008

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:

- 21.1 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 result in the forfeiture of the Bid security pursuant to Clause 16.
- 22.4 Bidders may modify the prices of their bids before deadline of online submission of bid.

Section II

Instructions to Bidders (ITB)

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 online 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 online 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 amount of Bid Security, forms and validity shall be announced. hereafter, 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 in accordance with Clause 23.1.

- (i) The bids accompanied with valid bid security and bid document fee 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 in accordance with clause 23.5 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, pursuant to Clause 22 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.

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

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.

Subject to sub-clause 25.1, 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.

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

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

The Employer will evaluate and compare only the bids determined to be substantially responsive in accordance with Clause-26.

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-32.4 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.**

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.

Section II
Instructions to Bidders (ITB)
F. Award of Contract

29 Award Criteria

Subject to Clause 32, 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 evaluated Bid Price.

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

Notwithstanding Clause 32, 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.

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**").

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.

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.

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 **07 (Seven) days** after receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security of **05 (Five) Percent** of the Contract Price, valid for the period of **60 days beyond the Completion of Project** plus Additional Security for unbalanced Bids, valid upto **28 days** after Project Completion, in accordance with Clause 29 of ITB and sign the contract.

32.2 The performance security shall be in the form of a Bank Guarantee/DD/NEFT 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 shall constitute sufficient ground for cancellation of the award and forfeiture of the bid security and debarment for a period as specified in Clause 16.7.

32.4 If the Bid of the successful Bidder is seriously unbalanced (**lower than 10%**) 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 32.1 be increased and an Additional Performance Security be sought as per table below. The details of Additional Performance Security are tabulated below:

| S. No. | Quoted Percentage vis-à-vis Tender Amount | Details of Additional Performance Security |
|--------|---|--|
| 1 | Upto - (10%) | NIL Only PBG Amount of 5% is applicable. |
| 2 | from: - (11% to 20) | If the Bid Price offered by the Selected Bidder is lower than 10% but up to 20% of the estimated Project cost, then the Additional Performance Security shall be calculated @ 20% of the difference in the (i) Estimated Project Cost (as mentioned in RFP)-10% of the Estimated Project Cost and (ii) the Bid Price offered by the selected Bidder. |
| 3 | from: - (21 to 30 %) | If the Bid Price offered by the Selected Bidder is lower than 20% but up to 30% of the estimated Project cost, then the Additional Performance Security shall be calculated @ 20% of the difference in the (i) Estimated Project Cost (as mentioned in RFP)-10% of the Estimated Project Cost and (ii) the Bid Price offered by the selected Bidder. |
| 4. | Above -30 % | A bid, which is quoted unrealistically low (lower than 30%) and which cannot be substantiated satisfactorily by the bidder, may be rejected as non-responsive. |

32.5 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.

33 Advances -Deleted

34 Corrupt or Fraudulent Practices

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 NHIDCL 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 inexecution.

The Employer requires the bidders/Contractors to strictly observe the laws against fraud and corruption enforced in India, namely, Prevention of Corruption Act, 1988.

| Appendix to ITB | | |
|---|--|----------------------|
| Instructions to Bidders Clause Reference | | |
| (1.1) | The Employer is National Highways & Infrastructure Development Corporation Limited, 3rd Floor, PTI Building, 4-Parliament Street, New Delhi-110001 | |
| (1.1) | <u>CUSIONING WORK TO WELL STEINING OF LOHIT BRIDGE P2, P3 & P4 THROUGH CIRCUMFERENTIALLY ARRANGED SACRIFICIAL GEO BAGS</u> | |
| (4.4) B) (b) (i) | Name of the Equipment | Qua ntity |
| | Tipper/Trucks | 5 |
| | Hydraulic Excavator /JCB | 2 |
| | Excavator 1.0 cum bucket capacity | 1 |
| | Hydraulic Crane of upto 50Tonnes | 1 |
| | Machine Boat | 1 |
| | Generator set (63/100/250 KVA) | 1 |
| | Power Driven Double needle Sewing Machine | 2 |
| | Any other equipment required for carrying out work as per Ministry's specification. | |
| | Note: The bidder must upload scanned copy of the documentary evidence in support of his owning/leased/ rented of the above equipment's. In case the bidder proposes to hire or take the above equipment on lease, he should, along with the lease/rent agreement, attach the proof of ownership of these equipment's with the company/ entity from whom the equipment's are proposed to be hired on lease/rent. | |

| (4.4) (B) (b) (ii) | | The Number of Technical personnel, Qualifications and Experience will be as follows: The Technical Personnel are: | | |
|-----------------------|-------------------|---|--|----------------|
| SL. No. | Personnel | Qualification | Particular Experience (minimum requirement) | No. of Persons |
| 1 | Project Manager | B.E (Civil) or equivalent + 10 Years Exp. | 5 years on similar works | 1 |
| 2 | Site Engineer | B.E (Civil) + 3Years Exp. Or Diploma + 5 Years Exp. | 2 years on similar works | 1 |
| 3 | Surveyor | B.E.Civil+3YearsExp. Or Dip.Civil.+5YearsExp. | 2 years on similar works | 1 |
| 4 | Material Engineer | B.E. Civil+ Year Exp. Or Dip. Civil+ 7 year Exp. | 2 years on similar works | 1 |
| | | | Total | 4 |
| | | Note: The detailed signed and scanned CV's of the Key Technical Personnel at S. No. 1 signed by the key personnel himself, must be uploaded along with the bid. The name and educational qualification of other personnel should be given. Non compliance of the above or non furnishing of the CV as above. | | |

SECTION III
QUALIFICATION INFORMATION
(To be filled by Bidder)

SECTION III

QUALIFICATION INFORMATION

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 of the Instructions to Bidders. This information will not be incorporated in the Contract.

1. For Individual Bidders

1.1

- a) Year of Constitution
- b) legal status of Bidder (Proprietorship/Partnership or Pvt. Ltd. firm)

[Upload scanned copy of original]

- c) Place of registration:

- d) Principal place of business:

Power of attorney of signatory of Bid *[Upload scanned copy & also supply Original copy in envelop of physical form]*

Total value of Civil Engineering construction work performed in the last Five years (in Rs. _____ Lakhs) refer ITB Clause 4.4 A (a)

(Upload scanned copies of certificate from Chartered Accountant & also supply original certificate from Chartered Accountant)

2022-2023_____

2021-2022_____

2020-2021_____

2019-2020_____

2018-2019_____

Total _____

Average per year-----

(a) Work performed as prime contractor, work performed in the past as a nominated sub- contractor provided further that all other qualification criteria are satisfied (in the same name) of a similar nature during the last five years as per ITB Clause4.4A(b).

| Project Name | Name of the Employer * | Description of work | Contract No. | Value of Contract (Rs. Crore) | Date of issue of work order | Stipulated period completion | Actual date of completion | Remarks explaining reasons for delay & work |
|--------------|------------------------|---------------------|--------------|-------------------------------|-----------------------------|------------------------------|---------------------------|---|
| | | | | | | | | |

** Upload certificate(s) from the Employer (to be given by an officer at the rank of Executive Engineer or equivalent & also supply original or certified copy in physical form in envelope)*

Note: (a) In case of nominated sub-contractor – a certificate from the Executive Engineer or equivalent of the Prime Employer should be obtained from whom an approval for subcontractor has been obtained.

(b) Information on Bid Capacity (works for which bids have been submitted and accepted and works which are yet to be completed) as on the date 7 days before the last date for bid submission (as per Cl. 4.6 of the ITB).

(i) Existing commitments and on-going works (B)

| Description of works | Place & State | Contract No. | Name & Address of Employer | Value of Contract (Rs Cr) | Stipulated Period of Completion | Value of works remaining to be completed (Rs. Cr) | Escalation factor | Anticipated date of completion factor | Escalated value of remaining work during completion on period of work of which bids are invited |
|----------------------|---------------|--------------|----------------------------|---------------------------|---------------------------------|---|-------------------|---------------------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

* Upload certificate (s) from the Engineer(s)-in-Charge of the rank of Executive Engineer or equivalent & also supply original or certified copy of certificate in physical form envelop.

(ii) Details of works for which bid submitted and accepted (i.e. where contract signing is pending)

| Description of works | Place & State | Name & Address of Employer | Date of issue of Letter of Acceptance (LOA) * | Value Given in LOA | Stipulated period for completion | Value of Work During Completion period of work for which bids are invited |
|----------------------|---------------|----------------------------|---|--------------------|----------------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

* Upload copy of LOA

(iii) Bid Capacity (Bidder shall calculate, mention his bid capacity and enclose the supporting calculation)

A = Rs. lakh (enclose the details)
N =years
B = Rs. lakh (enclose the details)
C = Rs. lakh (enclose the details)

Assessed available bid capacity= $A \times N \times 2.5 - B + C$
= Rs. Lakhs

Availability of Key Equipment essential for carrying out the Works [Ref.Clause4.4(B)
(b) (i)]. The Bidder should list all the information requested below.

| Item of Equipment | Requirement | Availability Proposals | | | Page no. of the proof attached |
|---|-------------|-------------------------|---------------|---------------|--------------------------------|
| | | Owned/Leased/ rented | Nos./Capacity | Age/Condition | |
| Tipper/Trucks | | | | | |
| Hydraulic Excavator /JCB | | | | | |
| Excavator 1.0 cum bucket capacity | | | | | |
| Hydraulic Crane of upto 50Tonnes | | | | | |
| Machine Boat | | | | | |
| Generator set (63/100/250 KVA) | | | | | |
| Power Driven Double needle Sewing Machine | | | | | |

Note: The bidder must upload the documentary evidence in support of his owning/leased/ rented of the above equipment's. In case the bidder proposes to hire or take the above equipment on lease, he should, along with the lease/rent agreement, attach the proof of ownership of these equipment's with the company/ entity from whom the equipment's are proposed to be hired on lease/ rent. The bidder shall submit an undertaking as per Performa Appendix 1.7 (ITB, Section -2) of the bid document.

Qualification and Experience of Key Personnel required for administration and execution of the Contract [Ref. Clause 4.4 (B) (b) (ii)]. **Upload biographical data for technical personnel (Refer also to Cl. 4.2 (e) of Instruction to Bidders).**

(Refer also to Sub Clause 9.1 of the Conditions of Contract).

| Sl. No. | Position | Name | Qualification | Total Professional Experience (Years) | Experience in the proposed position (Years) |
|---------|-------------------|------|---------------|---------------------------------------|---|
| 1. | Project Manager | | | | |
| 2. | Site Engineer | | | | |
| 3. | Surveyor | | | | |
| 4. | Material Engineer | | | | |

Note: The detailed and signed CV's of the Key Technical Personnel at S. No. 1 signed by the key personnel himself must be uploaded along with the bid. The name and educational qualification of other personnel should be given.

Information on litigation history in which the Bidder is involved.

| Other Party (ies) | Employer | Cause of Dispute | Amount Involved | Remarks showing Present Status |
|-------------------|----------|------------------|-----------------|--------------------------------|
| | | | | |
| | | | | |

2. 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)
 - (ii) Undertaking regarding minimum investment of cash towards working capital.
 - (iii) Undertaking that the Bids shall remain valid for the period specified in Clause 15.1.

**SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR
AVAILABILITY OF CREDIT FACILITIES**

(Clause 4.1(i) of ITB)

BANK CERTIFICATE

This is to certify that M/s..... is a reputed company with a good financial standing.

If the contract for the work, namelyis awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs... to meet their working capital requirements for executing the above contract during the contract period.

(Signature)

Name of Bank Senior Bank Manager
Address of the Bank

AFFIDAVIT

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 firm M/s_____has abandoned any work on MoRTH/NHAI/PWD/NHIDCL 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 MoRTH/NHAI/PWD/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 MoRTH/NHAI/PWD/NHIDCL and within the prescribed time.

(Signed by an Authorized Representative of the Firm)

Name of the Representative

Name of Firm

DATE

(To be notarized by Notary)

UNDERTAKING

I, the undersigned do hereby undertake that our firm M/s _____ would invest minimum cash up to 25% of the value of the work during implementation of the Contract towards the working capital.

(Signed by an Authorized Representative of the Firm)

Name of the Representative

Name of Firm

DATE

(To be notarized by Notary)

UNDERTAKING

- 1 I, the undersigned do hereby undertake that our firm M/s. _____
agree to abide by this bid for a period of _____ 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.

(Signed by an Authorized Representative of the Firm)

Name of the Representative

Name of Firm

DATE

(On the letter head of the bidder)

Appendix 1.7 [Ref. clause 4.4 B (b) (i)]

Undertaking

I, the undersigned do hereby undertake that our firm M/s..... agree to provide and will deploy required equipment as mentioned in the Appendix to ITB of the work.....

... further it is certified that the documents submitted as an evidence of availability of the key equipments for this work as stated in the Appendix to ITB, are genuine and correct. If anything contrary to the details as submitted is found at any stage NHIDCL would be at liberty to debar/blacklist my firm for an appropriate period as decided by NHIDCL.

(Signed by an Authorized Representative of the Firm)

Name of the Representative

Name of Firm

Date

(Seal of the company)

Format for Power of Attorney (POA) for Signing of BID

Know all men by these presents, We..... (name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr./Ms (name), son/daughter/wife of and presently residing at, who is presently employed with us and holding the position of, as our true and lawful attorney (hereinafter referred to as the “**Attorney**”) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our BID for the Project proposed or being developed by the National Highways & Infrastructure Development Corporation Ltd (the “**Authority**”) including but not limited to signing and submission of all applications, BIDs and other documents and writings, participate in Pre-BID and other conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the agreement and undertakings consequent to acceptance of our BID, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our BID for the said Project and/ or upon award thereof to us and/or until the entering into of the EPC Contract with the Authority.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE,, THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF 2022.....
For

(Signature, name, designation and address) of person authorized by Board Resolution
(in case of Firm/ Company)/ partner in case of Witnesses:

Partnership firm

- 1.
- 2.

Accepted

(Signature) (Name, Title and Address of the Attorney)

(Notarized) Person identified by me/ personally appeared before me/ Attested/ Authenticated* (*Notary to specify as applicable) (Signature Name and Address of the Notary)

Seal of the Notary Registration No. of the Notary

Date.....

Notes:

- The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants (s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.
- Wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a board or shareholders' resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
- For a Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and Notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Apostille certificate.

(SECTION-IV)

**FORMS OF BANK GURANTEES,
LOA & AGREEMENT**

FORM OF BANK GUARANTEE FOR BID SECURITY

(Refer Clauses 16 of ITB, Section-II)

Contract Package No.: NHIDCL/RO-ITA/02/N/LB/RR/2023-24

To

Executive Director (Projects)

National Highways & Infrastructure Development Corporation Ltd.

Regional Office, Itanagar

GD Apartment, Senki Park, Division-IV, Near Govt. Middle School

Itanagar, Arunachal Pradesh-791113

e-mail: sunil.kumar64@nhidcl.com

Ph.: +91-98788 71064, +91-94529 12345

Tel. 0360-2310008

WHEREAS _____ (Name of Bidder) (hereinafter called the Bidder) wishes to submit his Bid for herein after called “the Bid” KNOW ALL MEN by these present that we _____ (Name of Bank) of _____ (Name of country) having our registered office at _____ (hereinafter called the „Bank“) are bound unto Managing Director, National Highways & Infrastructure Development Corporation Ltd. (herein after called “the Employer”) in the sum of the Rs. _____ (Rupees _____) *for which payment can truly be made to the said Employer. The Bank bind themselves, their successors and assigns by these present with the common seal of the Bank this day _____ of _____ and undertake to pay the amount of _____ Rs. _____ to the employer upon receipt of his first written demand without the employer having to substantiate his demand.

The conditions of this obligation are:

(i) If the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid.

Or

(ii) If the Bidder having been notified of the acceptance of his Bid by the Employer during the period of Bid validity.

(a) fails or refuses to execute the Form of Agreement in accordance with the instructions to bidders, if required; or

(b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders.

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of any one of the above conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including the date 45 days beyond the validity of the bid as stated in the Instructions to Bidders or as it may be extended by the Employer, at any time prior to the closing date for submission of the Bidders Notice of which extension to the Bank is hereby waived. Any demand in respect of this guarantee should be made on the Bank on

or before the date of expiry of this guarantee.

This Guarantee shall also be operatable at our Branch at Itanagar, Arunachal Pradesh 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.

Notwithstanding anything contained herein before, our liability under this guarantee is restricted to Rs. _____ (Rs _____ In words) and the guarantee shall remain valid till _____. Unless a claim or a demand in writing is served upon us on or before all our liability under this guarantee shall cease.

Bank Guarantee has been sent to authority's bank through SFMS gateway as per the details below: -

| S. No. | Particulars | Details |
|--------|------------------------------|-------------------------------------|
| 1. | Name of Beneficiary | NHIDCL, RO, ITANAGAR |
| 2. | Beneficiary Bank Account No. | 79401010003153 |
| 3. | Beneficiary Bank Branch | CNRB0017940 |
| 4. | Beneficiary Bank Branch Name | CANARA BANK [ESTABLISHMENT ACCOUNT] |
| 5. | Beneficiary Bank Address | Itanagar Branch, Arunachal Pradesh |

SIGNATURE OF AUTHORISED REPRESENTATIVE OF THE BANK _____

NAME AND DESIGNATION _____

EMPLOYEE CODE NUMBER SEAL OF THE BANK _____

SIGNATURE OF THE WITNESS (IF THIS IS TO BE WITNESSED AS PER BANK'S POLICY) _____

NAME OF THE WITNESS _____

ADDRESS OF THE WITNESS _____

NOTE:

The prospective bidders have the option to either submit BG towards Performance Security/Additional Performance Security as per prescribed format given above or make payment directly in the Account mentioned above through DD/NEFT/RTGS and upload a copy of transaction details on eProcurement Portal. Original Copy shall be submitted along-with the Physical Tender.

Bank Details for depositing above stated amount is as under:

| S. No | Particulars | Details |
|-------|------------------------------|-------------------------------------|
| 1. | Name of Beneficiary | NHIDCL, RO, ITANAGAR |
| 2. | Beneficiary Bank Account No. | 79401010003153 |
| 3. | Beneficiary Bank Branch | CNRB0017940 |
| 4. | Beneficiary Bank Branch Name | CANARA BANK [ESTABLISHMENT ACCOUNT] |
| 5. | Beneficiary Bank Address | Itanagar Branch, Arunachal Pradesh |

**FORM OF BANK GUARANTEE FOR PERFORMANCE SECURITY/
ADDITIONAL PERFORMANCE SECURITY**

Contract Package No.: NHIDCL/RO-ITA/02/N/LB/RR/2023-24

To

Executive Director (Projects)

National Highways & Infrastructure Development Corporation Ltd.

Regional Office, Itanagar

GD Apartment, Senki Park, Division-IV, Near Govt. Middle

School Itanagar, Arunachal Pradesh-791113

e-mail: sunil.kumar64@nhidcl.com

Ph.: +91-98788 71064, +91-94529 12345

Tel. 0360-2310008

WHEREAS,..... (name and address of contractor) hereinafter called “the contractor” has undertaken, in pursuance of Letter of Acceptance No.

..... Dated.....to execute.....(Name of Contract and brief description of Works) (Hereinafter called “**the Contract**”).

AND WHEREAS, it has been stipulated by you in the said contract that the Contractor shall furnish you with a Bank Guarantee for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS, we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREOF we hereby affirm that we are the guarantor and responsible to you on behalf of the Contractor, up to a total of Rs..... (amount of guarantee) (Rupees... (in words), , and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of.....(amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract or of the works to be performed there under or of any of the contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 28 days from the date of completion of project.

This guarantee shall also be operatable at our..... Regional Office Bank Branch,

Itanagar, 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.

The guarantor/bank hereby confirms that it is on the SFMS (Structural Finance Messaging System) platform & shall invariably send an advice of this Bank Guarantee to the designated bank of NHIDCL, details of which is as under:

| S. No. | Particulars | Details |
|--------|------------------------------|-------------------------------------|
| 1. | Name of Beneficiary | NHIDCL, RO, ITANAGAR |
| 2. | Beneficiary Bank Account No. | 79401010003153 |
| 3. | Beneficiary Bank Branch | CNRB0017940 |
| 4. | Beneficiary Bank Branch Name | CANARA BANK [ESTABLISHMENT ACCOUNT] |
| 5. | Beneficiary Bank Address | Itanagar Branch, Arunachal Pradesh |

SIGNATURE OF AUTHORISED REPRESENTATIVE OF THE BANK _____

NAME AND DESIGNATION _____

EMPLOYEE CODE NUMBER SEAL OF THE BANK _____

SIGNATURE OF THE WITNESS (IF THIS IS TO BE WITNESSED AS PER BANK'S POLICY) _____

NAME OF THE WITNESS _____

ADDRESS OF THE WITNESS _____

NOTE:

The prospective bidders have the option to either submit BG towards Performance Security/Additional Performance Security as per prescribed format given above or make payment directly in the Account mentioned above through DD/NEFT/RTGS and upload a copy of transaction details on eProcurement Portal. Original Copy shall be submitted along-with the Physical Tender.

Bank Details for depositing above stated amount is as under:

| S. No | Particulars | Details |
|-------|------------------------------|-------------------------------------|
| 1 | Name of Beneficiary | NHIDCL, RO, ITANAGAR |
| 2 | Beneficiary Bank Account No. | 79401010003153 |
| 3 | Beneficiary Bank Branch | CNRB0017940 |
| 4 | Beneficiary Bank Branch Name | CANARA BANK [ESTABLISHMENT ACCOUNT] |
| 5 | Beneficiary Bank Address | Itanagar Branch, Arunachal Pradesh |

FORM OF LETTER OF APPLICATION

To

Executive Director (Projects)

National Highways & Infrastructure Development Corporation Ltd.

Regional Office, Itanagar

GD Apartment, Senki Park, Division-IV, Near Govt. Middle School Itanagar, Arunachal Pradesh-791113

e-mail: sunil.kumar64@nhidcl.com

Ph.: +91-98788 71064, +91-94529 12345

Tel. 0360-2310008

DESCRIPTION OF WORKS.....

Dear Sir,

Having examined the Bid Document, Instruction to Bidders, Qualification, Information, Scope of works, etc., for the subject work. We, hereby submit our bid for the subject work.

It is certified that the information furnished in this document is true and correct. The proposal is unconditional and unqualified. We undersigned accept that NHIDCL reserves the right to reject any or all application without assigning any reason.

Thanking you,

Yours faithfully,

(Authorized Signatory) for and on behalf of

M/s-----

FORM OF LETTER OF ACCEPTANCE

No.....

Dated.....

To

M/s.....

Sub.: **Name of Work**
.....

Sir,

Based on your bid submitted on.....in compliance with the bidding document of NHIDCL for Execution of the work of....., it is hereby notified that your bid for a contract price of **Rs..... (Rupees in words.....)** has been accepted for and on behalf of NHIDCL.

You are hereby requested to furnish Performance Security plus Additional Security in the form detailed in Para.33.2 of ITB for an amount equivalent to **Rs..... (Rupees in words.....)** **within 07 days** as per provisions of clause 33.1 of ITB of the bid document and sign the contract agreement failing which the actions as stipulated in clause-.33.3 of ITB shall be taken.

Thanking You

Yours faithfully,

(.....)
Executive Director (Projects)

FORM OF AGREEMENT

AGREEMENT

This agreement made the _____ day of _____ 2022
_____ between the National Highways & Infrastructure Development Corporation Ltd., New Delhi (hereinafter called “the Employer” of the one part and _____
(here in after called “**the Contractor**”) of the **OTHER PART**.

AND WHEREAS, the Employer invited bids from eligible bidders of the execution of certain works, viz **CUSIONING WORK TO WELL STEINING OF LOHIT BRIDGE P2, P3 & P4 THROUGH CIRCUMFERENTIALLY ARRANGED SACRIFICIAL GEO BAGS**

AND WHEREAS pursuant to the bid submitted by the Contractor, vide letter dated.....(here in after referred to as the “**BID**” or “**OFFER**”) 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 letter dated _____ (hereinafter referred to as the “the Offer”), the employer has by his letter of acceptance no. _____ 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 33 of the instructions to bidders (Section-I).

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) Notice to proceed with the works,
 - d) Contractor's Bid,
 - e) Contract Data,
 - f) Conditions of Contract including Special Conditions of Contract

- g) Technical Specifications,
- h) Drawings, if any
- i) Scope of work
- j) Bill of Quantities
- k) Any other document listed in the Contract Data.

- 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:

Binding Signature of Employer _____

For and on behalf of
National Highways & Infrastructure Development Corporation Ltd. 3rd
Floor, PTI Building,
4-Parliament Street, New
Delhi-110001

Binding Signature of Contractor _____

For and on behalf of _____

| In the presence of | | In the Presence of | |
|--------------------|----------|--------------------|----------|
| 1. | Name: | 1. | Name: |
| | Address: | | Address: |
| 2. | Name: | 2. | Name: |
| | Address: | | Address: |

(SECTION-V)
CONDITIONS OF CONTRACT AND
CONTRACT DATA

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Section V

CONDITIONS OF CONTRACT

Part I: General Conditions of Contract (GCC) and Contract Data

A. General

1. Definitions

Terms which are defined in the Contract Data are not defined in the Conditions of Contract but keep their defined meanings. Capital initials are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Bid.

Compensation Events are those defined in Clause 41 hereunder.

The Completion Date is the date of completion of the Works as certified by the Engineer, in accordance with Clause 49.1.

The Contract is the Contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in Clause 2.3.

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

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

The Contractor's Bid is the completed bidding document submitted by the Contractor to the Employer and includes technical and financial bids.

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

Days are calendar days; months are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The Defects Liability Certificate is the certificate issued by Engineer, after the Defect Liability Period has ended and upon correction of Defects by the Contractor.

The Defects Liability Period is as per Appendix-A calculated from the Completion Date.

Drawings include calculations and other information provided or approved by the Engineer for the execution of the Contract.

The Employer is the party as defined in the Contract Data, who employs the Contractor to carry out the Works. The Employer may delegate any or all of its functions to a person or body nominated by him for specified functions.

The Engineer is the person named in the Contract Data (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Engineer) who is responsible for supervising the execution of the Works and administering the Contract.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The Initial Contract Price is the Contract Price listed in the Employer's Letter of Acceptance.

The Intended Completion Date is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Engineer by issuing an extension of time after the approval from Employer.

Materials are all supplies, including consumables, used by the Contractor for incorporation in the Works.

Plant is any integral part of the Works that shall have a mechanical, electrical, electronic, chemical, or biological function.

The **Site** is the area defined as such in the Contract Data.

Site Investigation Reports are those that were included in the bidding documents and are factual interpretative reports about the surface and subsurface conditions at the Site.

Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Engineer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.

A **Sub-Contractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site.

Temporary Works are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.

A **Variation** is an instruction given by the Engineer after the approval from NHIDCL, which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, maintain, and handover to the Employer, as defined in the Contract Data.

2. Interpretation

In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Engineer

will provide instructions clarifying queries about these Conditions of Contract.

If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

The documents forming the Contract shall be interpreted in the following order of priority.

- (a) Agreement,
- (b) Letter of Acceptance
- (c) Contractor's Bid,
- (d) Contract Data,
- (e) Conditions of Contract
- (f) Technical Specifications,
- (g) Drawings, if any
- (h) Implementation Manual
- (i) Scope of Work
- (j) Bill of Quantities, and
- (k) Any other document listed in the Contract Data.

3. Language and Law

The language of the Contract and the law governing the Contract are stated in the Contract Data.

4. Engineer's Decisions

Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing the Employer.

5. Delegation

The Engineer, duly informing the Employer, may delegate any of his duties and responsibilities to other people except to the Adjudicator, after notifying the Contractor, and may cancel any delegation after notifying the Contractor.

6. Communications

Communications between parties that are referred to in the Conditions shall be effective only when in writing. A notice shall be effective only when it is delivered.

7. Subcontracting

The Contractor may subcontract any portion of work, up to a limit specified in Contract Data, with the prior approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations.

The Contractor shall not be required to obtain any consent from the Employer for:

- a. the sub-contracting of any part of the Works for which the Sub-Contractor is named in the Contract;
- b. the provision of labour or labour component.
- c. the purchase of Materials which are in accordance with the standards specified in the Contract.

Beyond what has been stated in clauses 7.1 and 7.2, if the Contractor proposes sub- contracting of any part of the work during execution of the Works, because of some unforeseen circumstances to enable him to complete the Works as per terms of the Contract, the Employer will consider the following before according approval:

- a) The Contractor shall not sub-contract the Works more than the limit specified in Contract Data..
- b) The Contractor shall not sub-contract any part of the Work without prior consent of the Employer. Any such consent shall not relieve the Contractor from any liability or obligation under the Contract and he shall be responsible for the acts, defaults and neglects of any of his sub-Contractor, his agents or workmen as fully as if they were the acts, defaults or neglects of the Contractor, his agents and workmen.

The Engineer should satisfy himself before recommending to the Employer whether

- a) the circumstances warrant such sub-contracting; and
- b) the sub-Contractor so proposed for the Work possess the experience, qualifications and equipment necessary for the job proposed to be entrusted to him in proportion to the quantum of Works to be sub-contracted.

8. Other Contractors

The Contractor shall cooperate and share the Site with other Contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as referred to in the Contract Data. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification.

9. Personnel

The Contractor shall employ the technical personnel named in the Contract Data or other technical persons approved by the Engineer. The Engineer will approve any proposed replacement of technical personnel only if their relevant qualifications and experience are substantially equal to or better than those of the personnel stated in the Contract Data. If the personnel stated in the contract data are not deployed on site by the contractor, it will be treated as a breach of contract and action will be taken as per clause 53.

If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the Works in the Contract.

10. Employer's and Contractor's Risks

The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's Risks

The Employer is responsible for the excepted risks which are (a) in so far as they directly affect the execution of the Works in the Employer's country, the risks of war, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot commotion or disorder (unless restricted to the Contractor's employees), natural calamities and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive, or (b) a cause due solely to the design of the Works, other than the Contractor's design.

12. Contractor's Risks

All risks of loss of or damage to physical property and of personal injury and death, which arise during and in consequence of the performance of the Contract other than the excepted risks, referred to in clause 11.1, are the responsibility of the Contractor.

13. Insurance

The Contractor at his cost shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of defect liability period for events (a) to (d), in the amounts and deductibles stated in the Contract Data for the following events which are due to the Contractor's risks:

- a) Loss of or damage to the Works, Plant and Materials;
- b) Loss of or damage to Equipment;
- c) Loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and
- d) Personal injury or death.

Insurance policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in Indian Rupees to rectify the loss or damage incurred.

If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be debt due.

Alterations to the terms of insurance shall not be made without the approval of the Engineer.

13.4 Both parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports

The Contractor, in preparing the Bid, may rely on any Site Investigation Reports referred to in the Contract Data, supplemented by any other information available to him, before submitting the bid.

15. Queries about the Contract Data

Executing Director will clarify queries on the Contract Data.

16. Contractor to Construct the Works & do maintenance

The Contractor shall construct, install and maintain the Works in accordance with the documents forming part of the contract.

17. The Works to Be Completed by the Intended Completion Date

The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Programme submitted by the Contractor, as updated with the approval of the Engineer, and complete them by the Intended Completion Date.

18. Approval by the Engineer

The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Engineer, who is to approve them if they comply with specifications and drawings.

The Contractor shall be responsible for design of Temporary Works.

The Engineer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.

All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Engineer before their use.

19. Safety

The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

21. Possession of the Site

The Employer shall give complete possession of the Site to the Contractor on the date of signing of agreement.

22. Access to the Site

The Contractor shall allow access to the Site and to any place where work in connection with the Contract is being carried out, or is intended to be carried out to the engineer and any person/persons/agency authorized by:

- a. The Engineer
- b. The Employer

23. Instructions

The Contractor shall carry out all instructions of the Engineer, which comply with the applicable laws where the Site is located.

The Contractor shall permit the Employer to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by Auditors appointed by the Employer if so required by the Employer.

24. Deleted

25. ARBITRATION

The procedure for arbitration will be as follows:

- (a) In case of Dispute or difference arising between the Employer and a domestic contractor relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Employer and the Contractor. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the Secretary General of Indian Road Congress.
- (b) If one of the parties fails to appoint its arbitrator in pursuance of sub-clause (a) and (b) above within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the Secretary General of Indian Road Congress shall appoint the arbitrator. A certified copy of the order of the Secretary General of Indian Road Congress making such an appointment shall be furnished to each of the parties.
- (c) Arbitration proceedings shall be held at New Delhi, India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.
- (d) The decision of the majority of arbitrators shall be final and binding upon both parties.
- (e) The cost and expenses of Arbitration proceedings will be borne equally by both parties in accordance with the following fee structure (the signing of the contract shall be the acceptance of the fee structure given below by both the parties):

| S. No. | Particulars of fee and other charges | Schedule Amount payable per Arbitrator/ per case |
|---------------|--|--|
| 1. | Arbitrator fee | Rs.15,000/- per day subject to a publishing the Award within 12 months. 12 months will be reckoned from the date of first meeting. |
| 2. | Reading Charges | Rs.15,000/- |
| 3. | Secretarial Assistance and Incidental Charges (telephone, fax, postage etc.) | Rs.20,000/- |

| | | |
|---------------|--|---|
| 4. | Charges for Publishing/ declaration of the Award | Maximum of Rs.20,000/- |
| 5. | Other expenses (As per actual Against bills subject to maximum of the prescribed ceiling given below) Traveling Expenses, Lodging and Boarding | Economy class by air, first class AC by train, AC car by road. (i) Up to Rs.15,000/- per day (metro cities) (ii) Up to Rs.7,000/- per day (other cities) (iii) Rs.3,000/- per day own arrangement) |
| 6. | Local Travel | Rs.1,500/- per day |
| 7. | Extra charges for days other than hearing / meeting days (maximum for 2 days) | Rs.3,500/- per day |
| Note:- | Lodging, boarding and traveling expenses shall be allowed only for those members who are residing 100kms. Away from place of meeting. Delhi, Mumbai, Chennai, Kolkata, Bangalore and Hyderabad shall be considered as Metro Cities. | |

However, the expenses incurred by each party in connection with the preparation, presentation, etc. of its proceedings shall be borne by each party itself.

- (f) Performance under the contract shall continue during the arbitration proceedings and payments due to the contractor by the employer shall not be withheld, unless they are the subject matter of the arbitration proceedings.

26 Deleted

B. Time Control

27. Programme

The Engineer shall issue the indent of work in stages specifying the time limit for the same as and when required. The Contractor shall submit to the Engineer for approval a programme within the time stipulated in the Contract Data showing the general methods, arrangements, order, and timing for all the activities in the Works, along with monthly cash flow forecasts.

An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining Works, including any changes to the sequence of the activities.

The Contractor shall submit to the Engineer for approval an updated Programme at intervals. If the Contractor does not submit an updated Programme within this period, the Engineer may withhold the amount stated in the Contract Data from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Programme has been submitted.

The Engineer's approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Engineer again at anytime. A revised Programme shall show the effect of Variations and Compensation Events.

28. Extension of the Intended Completion Date

The Engineer shall extend the Intended Completion Date only after the approval of NHIDCL if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining Works, which would cause the Contractor to incur additional cost.

The Engineer shall decide whether and by how much time to extend the Intended Completion Date within 21 days of the Contractor asking the Engineer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Indented Completion Date.

29. Delays Ordered by the Engineer

The Engineer may instruct the Contractor to delay the start or progress of any activity within the Works. Delay/delays totaling more than 30 days will require prior written approval of the Employer.

30. Management Meetings

The Engineer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the plans for the Works.

The Engineer shall record the business of management meetings and provide copies of the record

to those attending the meeting. The responsibility of the parties for actions to be taken shall be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all those who attended the meeting.

C. Quality Control

31. Identifying Defects

The Engineer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Engineer may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer considers may have a Defect.

32. Tests

The contractor shall be solely responsible for:

- a.** Carrying out the mandatory tests prescribed in the documents forming part of contract.
- b.** For the correctness of the test results, whether preformed in his laboratory or elsewhere.
- c.** Quality Certificate is to be provided by the Contractor before using material at site.

If the Engineer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples.

Subject to further condition in contract data

33. Correction of Defects noticed during the Defect Liability Period.

It is the terms of contract that **CUSIONING WORK TO WELL STEINING OF LOHIT BRIDGE P2, P3 & P4 THROUGH CIRCUMFERENTIALLY ARRANGED SACRIFICIAL GEO BAGS** shall be of very high standard, requiring no major repairs as per Appendix-I after the date of completion of works.

If any defects and other faults appear in the work within Eighteen months of "Taking over" certificate, the Engineer shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which begins at Completion, and is for Eighteen months thereafter. The Defects Liability shall be extended for as long as defects remain to be corrected.

Every time notice of a defect is given, the Contractor shall correct the notified defect at his own cost within the length of time specified by the Engineer's notice. If the contractor is in default the Engineer shall cause the same to be made good by other workmen and deduct the expenses from any sums that may be due to the contractor.

34. Uncorrected Defects

If the Contractor has not corrected a Defect/completed the work, to the satisfaction of the Engineer, within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected/completed, and the Contractor will pay this amount.

35. Bill of Quantities

The Bill of Quantities shall contain items for the construction, installation, testing, and commissioning and maintaining works to be done by the Contractor.

The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rates in the Bill of Quantities for each item for the work executed.

Changes in the Quantities

If the final quantity of the work-done differs from the quantity in the Bill of Quantities for the particular item by more than **25 percent provided the change exceeds 1%** of initial Contract Price, the Engineer shall adjust the rate to allow for the change. The Engineer shall follow the guidelines of the Employer to determine the changed rate.

The Engineer shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than **15 percent**, except with the Prior approval of the Employer. If requested by the Engineer, the Contractor shall provide the Engineer with a detailed cost breakdown of any rate in the Bill of Quantities.

Change of scope due to six laning or OMT

Deleted

36. Variations

The Engineer shall, having regard to the scope of the Works and the sanctioned estimated cost, have power to order only after approval from NHIDCL / as per NHIDCL guidelines, in writing, Variations within the scope of the Works he considers necessary or advisable during the progress of the Works. Such Variations shall form part of the Contract and the Contractor shall carry them out and include them in updated Programmes produced by the Contractor. Oral orders of the Engineer for Variations, unless followed by written confirmation, shall not be taken into account.

37. Payments for Variations

If rates for Variation items are specified in the Bill of Quantities, the Contractor shall carry out such work at the same rate. This shall apply for Variations only up to the limit prescribed in the Clause 35. If the Variation exceeds this limit, the rate shall be derived under the provisions of clause 37.2 and 37.3 for quantities (higher) exceeding the deviation limit.

For works where Schedule of Rates (SOR) of concerned circle of State's Public Works Department are available shall be applicable for determination of costs. If the rates for Variation are not specified in the SOR, the Engineer shall derive the rate from similar items in the Bill of Quantities.

If the rate for Variation item cannot be determined in the manner specified in Clause 37.1 or 37.2, the Contractor shall, within 14 days of the issue of order of Variation work, inform the Engineer the rate which he proposes to claim, supported by analysis of the rates. The Engineer shall assess the quotation and determine the rate based on prevailing market rates within one month of the submission of the claim by the Contractor and approval from NHIDCL will be

taken. As far as possible, the rate analysis shall be based on the standard data book and the current schedule of rates of the PWD(NH) division. The decision of the Employer on the rate so determined shall be final and binding on the Contractor.

38. Cash Flow Forecasts

When the Programme is updated, the Contractor shall provide the Engineer within updated cash flow forecast.

39. Payment Certificates

The Contractor shall submit to the Engineer monthly statements of the value of the work executed less the cumulative amount certified previously supported with detailed measurement of the items of work executed.

The Engineer shall check the Contractor's monthly statement within 07 days and certify the amount to be paid to the Contractor after taking into account any credit or debit for the month in question.

The value of work executed shall be determined, based on measurements by the Engineer.

The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.

The value of work executed shall also include the valuation of Variations and Compensation Events.

The Engineer / Employer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

The final bill shall be submitted by the contractor within one month of the actual date of completion of the work; otherwise the Engineers certificate of the measurement and of the total amount payable for work accordingly shall be final and payment made accordingly within a period of sixty days as far as possible.

40. Payments

Payments shall be adjusted for deductions for advance payments, security deposit, other recoveries in terms of the Contract and taxes at source, as applicable under the law. The Employer shall pay the Contractor the amounts Engineer had certified within 14 days of the date of each certificate.

The Authorized Representative of the Employer shall make the payment certified by the Engineer.

Items of the Works for which no rate or price has been entered in the Bill of Quantities, will not be paid for by the Employer and shall be deemed to be covered by other rates and prices in the Contract.

41. Compensation Events

The following shall be Compensation Events unless they are caused by the Contractor:

- a) The Engineer orders a delay or delays exceeding a total of 30days.
- b) The effects on the Contractor of any of the Employer's Risks.

If a Compensation Event would prevent the Works being completed before the Intended Completion Date, the Intended Completion Date shall be extended. The Engineer shall decide

whether and by how much the Intended Completion Date shall be extended after the approval of the employer.

The contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Engineer/Employer.

42. Taxes & Currencies for payments

The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other levies, duties, royalties, cess, toll, taxes of Central and State Governments, local bodies and authorities that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

All payments will be made in Indian Rupees.

43. Price Adjustment -Deleted

Deleted

Deleted

44. Security Deposit / Retention Money

The Employer shall retain security deposit of 6% (six percent) of the amount from each payment due to the Contractor until Completion of the whole of the Works.

The security deposit/retention money and the performance security will be released to the Contractor when the Defect Liability period is over, and the Engineer has certified that the Defects, if any, notified by the Engineer to the Contractor before the end of this period have been corrected.

If the contractor so desires then the Security Deposit/retention money can be released on submission of unconditional Bank Guarantee at the following two stages:-

- (a) At a point after the progress of work in financial term (gross value of work done) has reached 50% of the contract amount
- (b) After the retention money has been deducted to the full value (5% of the Contract Amount).

45. Liquidated Damages

The Contractor shall pay liquidated damages to the Employer at the rate or part thereof stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's other liabilities.

If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer shall correct any overpayment of liquidated damages by the Contractor by adjusting in the next payment certificate. The contractor shall not be paid interest on the over payment of liquidated damages.

46. Advance Payment: Deleted

47. Securities

Subject to further condition in contract data, the Performance Security equal to **03% (Three Percent)** of the contract price and additional security for unbalanced bids shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in the form given in the Contract Data and by a prescribed bank. The Performance Security shall be valid until a date 60 Days after the expiry of Defect Liability Period and the additional performance security for unbalanced bids shall be valid until a date 28 days from the Project Completion Date.

48. Cost of Repairs

Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Liability Period shall be remedied/ rectified by the Contractor at their cost if the loss or damage arises from the Contractor's acts or omissions.

D. Finishing the Contract

49. Completion

The Contractor shall request the Engineer to issue a certificate of Completion of the Works, and the Engineer will do so upon deciding that the Works is completed.

50. Taking Over

The Employer shall take over the Site and the Works within seven days of the Engineer's issuing a certificate of Completion.

51. Final Account

The Contractor shall supply to the Engineer with a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Engineer shall issue a Defects Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Engineer shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Engineer shall decide on the amount payable to the Contractor and issue a payment certificate within 56 days of receiving the Contractor's revised account.

52. Operating and Maintenance Manual

DELETED
DELETED

53. Termination

The Employer may terminate the Contract if the Contractor causes a fundamental breach of the Contract.

Fundamental breaches of Contract include, but shall not be limited to, the following:

- a) the Contractor stops work for 28 days when no stoppage of work is shown on the current Programme and the stoppage has not been authorized by the Engineer;
 - b) the Contractor is declared as bankrupt or goes into liquidation other than for approved reconstitution or amalgamation;
 - c) the Engineer/Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
 - d) the Contractor does not maintain a Security, which is required;
 - e) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in clause 45;
 - f) the Contractor fails to provide insurance cover as required under clause 13;
 - g) if the Contractor, in the judgment of the Employer, has engaged in the corrupt or fraudulent practice in competing for or in executing the Contract. For the purpose of this clause, "corrupt practice" means offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution. "Fraudulent Practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid process at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.
- if the Contractor has not completed at least thirty percent of the value of Work required to be completed after half of the completion period has elapsed;
- if the Contractor fails to set up a field laboratory with the prescribed equipment, within the period specified; and
- any other fundamental breach as specified in the Contract Data.

Notwithstanding the above, the Employer may terminate the Contract for convenience.

If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible but in no case later than 7 days.

54. Payment upon Termination

If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.

Save and except Cl 35.3.3, if the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments outstanding on the date of the certificate, less other recoveries due in terms of the Contract, and less taxes due to be deducted at source as per applicable law.

In case of termination on account of award of 2 laning work stated in Cl 35.3.3, the Engineer shall issue a certificate for the value of work done till termination, less advance payments outstanding, less other recoveries due in terms of contract and less taxes due to be deducted at source as per applicable law.

55. Property

All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer for use for completing balance work if the Contract is terminated because of the Contractor's default.

56. Release from Performance

If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of the Employer or the Contractor, the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.

E. Other Conditions of Contract

57. Labour

The Contractor shall, make arrangements of his own cost and expenses for the engagement of all staff and labour, local or others; for their payment, housing, feeding and transport; and for compliance with various labour laws/regulations.

The Contractor shall, as asked by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Engineer may require.

58. COMPLIANCE WITH LABOURREGULATIONS

During the currency of the Contract, the Contractor and his sub Contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be notified already or that may be notified under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws that are applicable to construction industry are given below. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct any money due to the Contractor including from his performance security/ retention money. The Employer/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer. The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

58.2 SALIENT FEATURES OF SOME MAJOR LABOUR LAWS APPLICABLE TO ESTABLISHMENTS ENGAGED IN BUILDING ANDOTHER CONSTRUCTION WORK.

- a) **Workmen Compensation Act 1923:** - The Act provides for compensation in case of injury by accident arising out of and during the course of employment.
- b) **Payment of Gratuity Act 1972:** - Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed the prescribed minimum years (say, five years) of service or more or on death the rate of prescribed minimum days" (say, 15 days) wages for every completed year of service. The Act is applicable to all establishments employing the prescribed minimum number (say, 10) or more employees.
- c) **Employees P.F. and Miscellaneous Provision Act 1952:** The Act Provides for monthly contributions by the Employer plus workers at the rate prescribed (say, 10% or 8.33%). The benefits payable under the Act are:
- i. Pension or family pension on retirement or death as the case maybe.
 - ii. Deposit linked insurance on the death in harness of the worker.
 - iii. Payment of P.F. accumulation on retirement/death etc.
- d) **Maternity Benefit Act 1951:** - The Act provides for leave and some other benefits to women employees in case of confinement or miscarriages.
- e) **Contract Labour (Regulation & Abolition) Act 1970:** - The Act provides for certain welfare measures to be provided by the Contractor to contract labour and in case the Contractor fails to provide, the same are required to be provided, by the Principal Employer by Law. The principal Employer is required to take Certificate of Registration and the Contractor is required to take license from the designated Officer. The Act is applicable to the establishments or Contractor of Principal Employer if they employ prescribed minimum (say 20) or more contract labour.
- f) **Minimum Wages Act 1948:** - The Employer is to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act if the employment is a scheduled employment. Constructions of buildings, roads, runways are scheduled employment.
- g) **Payment of Wages Act 1936:** - It lays down as to by what date the wages are to be paid, when it will be paid and what deductions can be made from the wages of the workers.
- h) **Equal Remuneration Act 1979:** - The Act provides for payment of equal wages for work of equal nature to male and female workers and for not making discrimination against female employees in the matters of transfers, training and promotions etc.
- i) **Payment of Bonus Act 1965:** - The Act is applicable to all establishment employing prescribed minimum (say, 20) or more workmen. The Act provides for payments of annual bonus within the prescribed range of percentage of wages to employees drawing up to the prescribed amount of wages, calculated in the prescribed manner. The Act does not apply to certain establishments. The newly set-up establishments are exempted for five years in certain circumstances. States may have different number of employment size.
- j) **Industrial Disputes Act 1947:** - The Act lays down the machinery and procedure for resolution of industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.
- k) **Industrial Employment (Standing Orders) Act 1946:** - It is applicable to all

establishments employing prescribed minimum (say, 100, or 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and get these certified by the designated Authority.

l) Trade Unions Act 1926: - The Act lays down the procedure for registration of trade unions of workmen and Employers. The Trade Unions registered under the Act have been given certain immunities from civil and criminal liabilities.

m) Child Labour (Prohibition & Regulation) Act 1986: - The Act prohibits employment of children below 14 years of age in certain occupations and processes and provides for regulations of employment of children in all other occupations and processes. Employment of child labour is prohibited in building and construction industry.

n) Inter-State Migrant Workmen's (Regulation of Employment &

Conditions of Service) Act 1979: - The Act is applicable to an establishment which employs prescribed minimum (say, five) or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state). The Inter-State migrant workmen, in an establishment to which this Act becomes applicable, are required to be provided certain facilities such as Housing, Medical-Aid, Travelling expenses from home up to the establishment and back etc.

o) The Building and Other Construction workers (Regulation of Employment and Conditions of Service) Act 1996 and the Cess Act of 1996: -All the establishments who carry on any building or other construction work and employs the prescribed minimum (say, 10) or more workers are covered under this Act. All such establishments are required to pay cess at the rate not exceeding 2% of the cost of construction as may be modified by the Government. The Employer of the establishment is required to provide safety measures at the building or construction work and other welfare measures, such as canteens, first-aid facilities, ambulance, housing accommodations for workers near the work place etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officer appointed by the Government.

p) Factories Act 1948: - The Act lays down the procedure for approval of plans before setting up a factory, health and safety provisions, welfare provisions, working hours, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing the prescribed minimum (say, 10) persons or more with aid of power or another prescribed minimum (say, 20) or more persons without the aid of power engaged in manufacturing process.

59. Drawings and Photographs of the Works

The contractor shall do photography/videography of the site firstly before the start of the work, secondly mid-way in the execution of different stages of work and lastly after the completion of the work. No separate payment will be made to the contractor for this.

The Contractor shall not disclose details of Drawings furnished to him and works on which he is engaged without the prior approval of the Engineer in writing. No photograph of the works or any part thereof or plant employed thereon, except those permitted under clause 59.1, shall be taken or permitted to be taken by the Contractor or by any of his employees or any employees of his sub-Contractors without the prior approval of the Engineer in writing. No photographs/Videography shall be published or otherwise circulated without the approval of the Engineer in writing.

60. The Apprenticeship Act1961

The Contractor shall duly comply with the provisions of the Apprenticeship Act1961 (III of 1961), the rules made there under and the orders that may be issued from time to time under the said Act and the said Rules and on his failure or neglect to do so he shall be subject to all liabilities and penalties provided by the said Act and said Rules.

CONTRACT DATA TO GENERAL CONDITIONS OF CONTRACT

Clause Reference

Items marked “N/A” do not apply in this Contract.

[CL.1.1]

The Employer is:-

National Highways and Infrastructure Development Corporation Ltd.
3rd Floor, PTI Building,
4-Parliament Street,
New Delhi-110001

Name of Authorized Representative:-

Executive Director (Projects)

National Highways & Infrastructure Development Corporation Ltd.

Regional Office, Itanagar

GD Apartment, Senki Park. Division-IV,

Near Govt. Middle School

Arunachal Pradesh- 79113

e-mail : sunil.kumar64@nhidcl.com

Ph.: +91-98788 71064, +91-94529 12345

Tel. 0360-2310008

2. The Engineer is :

[CL.1.1]

Designation: General Manager (Projects)-PMU, Namsai

Address: PMU, National Highways and Infrastructure
Development Corporation Ltd. NHIDCL, Namsai
Namsai 792103

3. The intended Completion Date for the whole of the works is **06 Months** from appointed date.

[CL.1.1, 17&28]

4. The location of site is given in the Bid notice (SECTION I)

[CL.1.1]

5. The start date shall be reckoned within 15 days after the date of issue of the notice to proceed with the work.

[CL.1.1]

6.(a) The name and identification number of the contract is given in the table given in Bid Notice (SECTION I)

[CL.1.1]

7. (a) The law which applies to the contract is the law of Union of India.

[CL.3.1]

(b) The language of the contract documents is English

[CL.3.1]

8. The limit of subcontracting is NIL of initial contract price

[CL.7.1]

9. Schedule of other contractor –NIL

[CL.8.1]

10. Technical Personnel are as given in the ITB (SECTION II)

[CL.7.1]

11. Amount of Insurance are:

[CL.13.1]

(a) Rupees equivalent to contract price

(b) Rupees equivalent to 5% of contract price

(c) Rupees equivalent to 5% of contract price

(d) Rupees 50 lakhs for multiple incidents

And deductible as per premium rate.

12. Site investigation report-NIL [CL.14.1]
13. (A) The period for submission of the programme for approval of Engineer shall be **07 days** from the issue of Letter of Commencement. [CL.27.1]
- (B) (a) Identified indented work
- (1) Weekly Indent, Monthly Indent, Quarterly Indent and Bi-annual Indent – 3 days before start of week; 7 days before start of month; 15 days before start of quarter and 28 days before bi-annual period concerned
- (2) Emergent Indents – Within 24 hours
14. Amount to be withheld for delays in submission of updated programme: 1% of value of work corresponding to the updated programme.
15. The period for setting up a field laboratory with the prescribed equipment relevant to items of work in BOQ is 30 days from the days from the date of notice to start work.
16. (a) Amount of liquidated damages for delay in completion of works
- For whole of work $(1/2000)^{\text{th}}$ of the Initial Contract Price, rounded off to the nearest Thousand, per day.
- For Sectional Completion (wherever specified, in item 6 of Contract Data $(1/200)^{\text{th}}$ of initial contract price for 5 km section, rounded off to the nearest thousand per day.
- (b) Maximum limit of liquidated damages for delay in completion of work.
- 10 percent of the initial contract price rounded off to the nearest thousand.
- [CL.45.1]
17. The standard form of Performance Security acceptable to the Employer shall be an unconditional Bank Guarantee of the type as presented in the Bidding Documents. [CL.47.1]
18. Other fundamental breach is that the contractor has failed to complete 75% of value of indented work in any 3 indents issued by the Engineer. [CL.53.2]
19. The percentage to apply to the value of work not completed representing the Employer's additional cost for completing the work shall be 20%. [CL.54.1]

(SECTION-VI)

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATION

PREAMBLE:

The Technical Specifications contained herein shall be read in conjunction with the other Bidding Documents as specified.

GENERAL REQUIREMENTS

The Technical Specifications in accordance with which the entire work described hereinafter shall be executed and completed by the Contractor shall comprise of the following:

FOR GEO BAGS -

- a) Only polypropylene geo bags will be received. The bidder will have to procure polypropylene geo bags from companies recommended by the employer.
- b) During supply, one in-house test report for geo-bags for every 1000 bags will be required to be submitted.
- c) For every 5000 bags supplied, one test report for two numbers of samples selected randomly by the department has to be procured from BTRA or CSMRI or any approved Govt Institute/agency, and submitted, by the contractor at his own expense.
- d) The employer/department may carryout test of the materials supplied, at any point of time, by any Govt institution/Govt approved agency/ agencies and the expenditure thus incur for such test has to be borne by the bidder.
- e) If at any point of time during the execution or after execution, if any of the material is found to have discrepancy from the terms and condition mentioned in the bid document or specification mentioned in the bid document, then the employer reserves the right to bar from further work order/ participation of bid and may blacklist both the contractor and manufacturer whose material were found to have discrepancy or below specified standard
- f) In case of works involving Earth work/silt/sand in filling, Stone materials, Forest Permits/FRCC (Forest Royalty Clearance Certificate) shall have to be obtained from Forest Department after payment of Forest Royalty before starting of work/supply by the contractor.
- g) Field Test equipment must be provided by the bidder at his own cost at site for checking, weight of geo bag, sand size by sieve analysis etc.
- h) The employer/department may carryout test of the materials supplied, at any point of time, by any external/ third party agency and the expenditure thus incur for such test has to be borne by the bidder/Contractor.

1. Main Construction Equipment

1.1 General

1.1.1The Contractor will identify suitable equipment for the execution of works. The Contractor is obliged to check the construction equipment proposed in his work

methodology with regard to number, size and condition and workability immediately after the issue of Letter of Acceptance by the Employer. The Contractor takes over the sole responsibility for the construction equipment placed at his disposal by different owners, and the Contractor assumes all other obligations, including watch and ward, which would incur to him if he were providing the said construction equipment under the Contract.

1.1.2The Contractor will nominate and delegate for the entire duration of the construction works, an experienced mechanic as Contractor's Representative for the construction equipment along with skilled operators, mechanics, electricians, and welders. The Contractor's operators, mechanics and the Contractor's representative will be permanently present from the time of taking over of the Site and/or deployment of construction equipment and in particular during the period of assembling and start-up of the said equipment. The trained personnel will not be withdrawn from the Works by the Contractor without the knowledge of the Engineer. No work will start or recommence without the presence of Contractor 's Representative at the site.

1.1.3The Engineer, however, reserves the right to require any incompetent personnel to be replaced by the Contractor, who:

- (i) persists in any misconduct or lack of care;
- (ii) carries out duties incompetently or negligently;
- (iii) fails to conform with any provisions of the contract; or
- (iv) persists in any conduct which is prejudicial to safety, health or the environment.

If appropriate, the Contractor will then appoint a suitable replacement person within one week.

1.1.4The Contractor has to load, transport, unload, unpack, assemble and mount the individual special equipment items, including providing any modification or adaptation of his own equipment to suit the said special equipment. He has to secure and maintain the same for the entire period of use, all in accordance with the Conditions of Contract, the Technical Specifications and Bill of Quantities.

1.1.5All equipment and machines operated at the site and used for construction purposes, can at any time be inspected by the Engineer or any of his Representatives and be rejected whenever found inappropriate. All inspections will take into account the good execution of the Works and their timely completion.

1.2 Equipment

1.2.1The Contractor has to organize sufficient number of different equipment for the timely execution of the works as outlined in the Contractor's method statement. Necessary equipment will include the following: flat top barge/pontoon, power driven country boats, heavy anchor including deployment and lifting equipment (tug boat and barge mounted crane or self-propelled working boat with A-frame), generator, handheld sewing machine, sand testing laboratory, total station or DGPS, echo-sounder, survey boat, computer with printer, diving equipment, video camera, and digital camera, as itemized in Section 6 (Equipments Requirements).

1.2.2Contractors need to make alternative arrangements and clearly identify the alternative in their work methodology in case the main equipment is not available for the duration of the Works. The alternative source, however, will, in no way, relieve the Contractor from his responsibility to organize other suitable replacements after contract award when his named sources are not available for any reason.

1.2.3The Contractor will inspect and assess the conditions and structural soundness of all

equipment prior to lease or hiring and prepare them for the purpose of his work. All equipment, strengthening work, movable and immovable elements installed by the Contractor or already installed will comply with all relevant safety standards.

1.3 Mobilization of Equipment

The equipment will arrive at the Site and be available for work before or on the dates as per plan.

1.4 Measurement and Payment

The Contractor will provide the type, base characteristics, number, types and working condition of the equipment.

2. Site Areas and Installations

2.1 Locations and Access to the Sites

2.1.1 The project layout map is shown in this Section of the Bid documents. The map shows the location where the construction work is to be executed. The Contractor should become acquainted with the specific site and access conditions.

2.1.2 Sites may be accessible from the land as well as the riverside. This has to be taken into account in the preparation of tender specially when setting up the work methodology.

2.1.3 The Contractor will be deemed to have assessed the site and the road access to the Site, including the load bearing capacity of surrounding earth, roads and bridges, and to have provided for all costs for the improvement, strengthening or repair of such infrastructure, as may be required for or due to the transportation of materials, equipment etc. to the Site.

2.1.4 Problems and delays arising from wrong judgment of site and access conditions do not entitle the Contractor to any claim in this regard.

2.2 Working and Storage Sites

2.2.1 All the areas the Contractor needs for preparation or storage or any other need, beyond the acquired available area, must be leased or rented by him at his own cost and risk. These areas must be adequately large to assure execution of highest quality standards within the time frame. The Contractor will take into account the provisions regarding the Environmental Management Plan and Safety at the Site.

2.2.2 All costs in connection with renting, preparing and maintaining of any of the site areas and facilities will not be compensated separately and are deemed to be covered by surcharges and overheads to be included in the rates of the relevant items in the Bill of Quantities.

2.2.3 The construction, storage and working areas together with all land and water based equipment is to be marked, for both day and night use, with appropriate markings, lights signals etc., in conformity with safety regulations of the competent Authorities in India.

2.2.4 The Contractor is responsible and has to provide for all of his equipment and arrangements for the regular supply of power and water including drinking water to the storage and working areas, as well as to the actual construction site in the capacity and quantities required for the Works.

2.3 Requirements for River Navigation

2.3.1 The Contractor will appropriately position and mark the waterborne site area including all temporary moorings of floating construction equipment and obtain any

necessary approval as/if required from the Inland Water Transport Authority of India (IWTAI) or any other competent authority in Arunachal Pradesh. The Contractor will notify the competent Authority of any such installation well in advance of any construction activity in line with current regulations.

2.3.2 The Contractor will comply with all directions issued to him by the Engineer or his Representative in respect of safety of navigation and the requirements for marking, watching and lighting of any structure or construction equipment, which may be used in the construction of the Works.

2.4 Coordination with Authorities

The Contractor must generally observe all rules and regulations in force of the various Authorities, which may influence the preparation and/or performance of the Works in any way. The Contractor will ensure necessary coordination of all activities with the Authorities concerned, well in advance of any construction activity.

2.5 Follow-up of Water Levels at the Site

2.5.1 The Contractor must take necessary precautionary measures with regards to flood forecasting and warning. Generally, the State WRD can provide recent water level records at most sites. The Contract should also establish a temporary water level gauge near the work site and regularly monitor water levels.

2.5.2 The Contractor must have good knowledge of current water levels and river currents and be able to adapt the work program whenever potential problems arise, e.g. from extremely low water levels or early flooding that influence the accessibility of and the work at the site.

2.6 Protection against Natural Phenomena

2.6.1 The Contractor will protect the Works against any damage, which may result from:
(i) flood flows;
(ii) wind,
(iii) storm and heavy rainfall; and will adapt the program of works in order to minimize the risks.

2.6.2 The Contractor will submit to the Engineer on his special request any method he proposes to apply in order to protect the Works.

3. Clearance of the Site

After completion of the construction works, the entire project area is to be cleared of all obstacles created by the Contractor during execution of the Works or of any Temporary Works and construction plant used by the Contractor. Any working and storage areas, approaches etc. or handling facilities utilized by the Contractor or his Sub-Contractors for the purpose of this Contract are to be cleared and/or reinstated by the Contractor to the satisfaction of the relevant owner(s). The Engineer will not accept any claim of third parties in respect to the Contractor's failure to comply with this requirement.

4. Measurement and Payment

4.1 Mobilization of Site and Construction Equipment

All costs for mobilization of site, construction equipment, preparation of all site areas and their approaches and providing of all buildings and other facilities are deemed to be included in the Bill of Quantities.

4.2 Maintenance and Operation of the Site

All costs for maintaining, operation and protection of the Site and its installations and facilities are deemed to be included in the rates of the relevant items as shown in the Bill of Quantities. The costs of all measures required by the Contractor to protect the works are deemed to be covered in the rates of the relevant items of Bill of Quantities.

4.3 Site Demobilization

All costs for demobilization of the Site, as well as for its clearance and final reinstatement will be borne by the Contractor.

5. Surveying Work

5.1 General

5.1.1 The Contractor will provide experienced personnel for both the land and water survey teams and survey equipment suitable for all seasonal weather and river conditions. The contractor will also provide experienced data analysts with appropriate software to properly analyze the survey data. The contractor will provide appropriate accommodation to both the survey teams during the entire contract period.

5.1.2 Coordinates are to be based on the India Transverse Mercator Grid of the Republic of India. Elevations are based on the PWD (Public Works Department).

5.1.3 For the determination of levels or coordinates for construction purposes, the Engineer or his Representative will set up together with the Contractor the parameters, such as the extent of survey works, chainage to benchmarks, installation of new marks etc. These items will be referred to, throughout all subsequent surveys carried out under this contract.

5.1.4 For all survey works, the reference benchmark(s) will be identified and described.

5.1.5 The Contractor has the obligation to check all measurements, dimensions and levels indicated in the drawings. Whenever discrepancies occur, he has to inform the Engineer in writing within three working days, describing the type of discrepancy and consequences to the execution and quality of works. Otherwise, he has to bear the full consequences that arise from these discrepancies.

6.1.6 The Engineer has the right to ask for repetition of surveys when these are considered false. He/she can at any time employ his own survey team or third parties for control surveys. In such case, the cost will be borne by the Contractor.

6.1.7 Plans and cross-sections and all other survey results will be established by the Contractor. These results have to be made available to the Engineer.

6.2 Water Levels

The Contractor will record water levels constantly at the Site, and make these available to the Engineer daily. The frequency of gauge readings will be four times daily. The Contractor has to install **two water gauges at the Site, one at the upstream end of the work site and the other at the downstream end of the work site to facilitate recording of water levels.**

6.3 Surveys for Assessment of Placement Accuracy

6.3.1 The basis for the Contractor 's planning is typical cross-sections and design sections presented in the Drawings enclosed herewith. These cross-sections indicate the most recent known characteristics of the river banks; however, these may have changed by the time the work commences due to the dynamic morphology of the river.

6.3.2 All surveys will be referred to contract bench marks and UTM WGS 84 coordinates and the results will be plotted on a drawing of approved scale and submitted to the Engineer for comparison purposes and approval.

6.3.3 Approved surveys as per above paragraph will serve as a basis for the assessment of permanent works.

6.3.4 The pre-work survey will be used for the detailed dumping plan including positioning of the barge/boat. The dumping plan will take into account the displacement of bags due to the river current.

6.3.5 No works will be carried out before the pre-work survey is undertaken. The cross-section drawings of the post-work survey will also superimpose the cross-sections from the pre-work survey, and will form the basis for as-built drawings.

6.3.6 Any adaptation in the design due to site situation will be binding upon the Contractor

7 Preparation and Sewing of Geo-bags

The Geo-textile bags will be prepared by sewing, the smaller transverse (top) side subsequent to filling.

Sewing should be done by stitching machine.

The number of stitch per inch should not be less than 5. The stitch will be double thread chain stitch type 102.

At the end of each seam (at the folded side) the stitch will be locked either by stitching one time back and forth for length of minimum 2.5 cm from the end of the bag, or by joining the ends of the two threads e.g., by gluing, welding, knotting or other appropriate methods, acceptance to the engineer-in-charge of the sub- project.

The two lines of stitches will be within 3 mm distance with a margin of 2.5 cm from the edge of the Geo- Textile to the centerline between the two seams. The tolerance is 3 mm in each direction.

Any deviation from the prescribed sewing is subject to acceptance of the engineer-in-charge of the sub- project after testing of sample.

1. 8. Supplying of Poly Propylene Rope Gabion

8.1 TESTS AND CHECKS

The test and checks should confirm all the specifications mentioned in the BoQ.

9. Geo-bag Protection Works – Filter- and Cover-Layer

Sand-filled geo-textile bags (geo-bags) are used for river bank protection against hydrodynamic forces. The geo-bags will be filled with sand coarse enough to be retained by the geo-textile and it is important that the sand does not leak out over time. In addition, geo-bags must withstand loads resulting from filling, handling, transporting,

and dumping.

19.1 Work Preparation

9.1.1 The bags will be transported to the project site for filling sand as per need at the site by the Contractor.

9.1.2 When the fabricated Geo-bags are brought to the site by the Contractor, they will be jointly counted by the Engineer, Consultant, and Contractor, or their representatives, and the total recorded in a register that is signed by all three parties. The original register is to be kept by the Engineer, and copies are to be kept by the Consultant and the Contractor.

9.1.3 At the Contractor's site, the Geo-bags are to be stored in an orderly manner, protected from ultra-violet radiation and other influences negatively affecting their material properties and in ventilated areas to the Engineer's satisfaction.

9.1.4 The Contractor will transport, handle and store all Geo-bags in full accordance with the Manufacturer/Supplier's instructions or as per instruction of the Engineer. Geo-bags will be kept wrapped in black polyester sheeting or any other suitable cover, to prevent ultra-violet exposure, until immediately before use in the Works. If the wrapping is damaged during handling, it will be repaired immediately by the Contractor using the same sheeting. Unused bags will be re-wrapped promptly.

9.1.5 Bags must be handled with care and not damaged. Any damaged bags will be replaced with bags of the same or higher material properties, and the same dimensions at the Contractor's own cost.

9.2 Sand-Excavation and Sand Quality

9.2.1 Sand for bag filling must be taken from approved areas (approved by Forest Department) of the river bed or chars and can only be used after acceptance from the Engineer's Representative. Sand Excavation at or near the Site is prohibited. Sand for the filling of the geo bags will have to be washed and/or screened, if necessary, to remove silts and other contaminants.

9.2.2 Sand will not contain more than 3% finer material than 0.074 mm grains when sieved through Sieve no. 200 ASTM or BIS equivalent and not more than 10% material finer than 0.1 mm, and must have a Fineness Modulus (FM) of greater than 1. A minimum of 1 sample will be tested from every 500 m³ of sand supplied to the Site or screened.

9.2.3 Sand will be stockpiled in distinct heaps not exceeding 2000 m³ volume. Once a heap has been sampled, tested and is accepted by the Engineer, the sand can be used for filling bags. Sand not accepted, or heaps replenished after checking, will not be used.

9.2.4 The sand fills for the bags is subject to inspection and acceptance by the Engineer. The Contractor will supply the necessary laboratory equipment, including three sets of sieves, weighing scale, etc., and labour. A minimum of 3 samples will be tested from every 500 m³ of sand stored at the site. The average of all samples taken from one stockpile must not contain more than 3 percent of silt (which is defined as a grain size below 0.074 mm) with each individual sample not exceeding 5%. The Contractor will carry out the sieve tests in the presence of the Engineer's Representative and hand over the results immediately upon completion.

9.3 Geo-bag Filling

9.3.1 Filling of bags will take place in appropriate areas, clean and free from flooding, wave action, or threat of erosion.

10. Sewing – Closing of Geo bags after Filling

The sewing thread for the closing of the Geo bags will be supplied by the employer to the contractor.

10.1 The bags will be closed by two lines of stitching. The stitching will be a ‘staple’ or ‘prayer’ seam with double chain stitch, type 102, according to ISO 4915. The stitch count will be fixed through tests at the site and will be between 4 to 7 stitches per inch. The stitches will be placed a minimum of 2 cm, but not more than 2.5 cm from the top of the bags and minimum 3 mm apart. The ends of the first seam must be secured by a second arch shaped seam crossing the first near the ends.

10.2 Any deviation from the above-mentioned technical specifications needs written approval by the Engineer and must be established through sufficient evidence based on laboratory and field testing.

10.3 The number of electric hand-held sewing machines of standard quality at the site must be a minimum of 1.25 times the daily average filling rate, divided by the number of bags stitched on average per day per machine. The Contractor will make arrangement for regular maintenance and servicing of sewing machines in order to keep down times to a minimum. All sewing machines out of operation must be removed from the site.

10.4 Handling and Transport to the Dumping Equipment

10.4.1 After filling and sewing, the bags must be stockpiled ready for counting. After stockpiling a certain number of bags, and immediately prior to commencing transported to the dumping site, the bags will be counted jointly by the Engineer, Consultant and Contractor, or their representatives. The result will be entered in a register and signed by all three parties.

10.4.2 Filled bags will be loaded on flat top barges or engine driven flat top country boats and transported to the dumping barge/pontoons, where they will be stacked in an orderly manner.

10.4.3 During the loading, transport, unloading and dumping processes, the bags will be lifted and handled with care, without over stretching the geo-textile, puncturing the bags, destroying the seams or causing any other defect which will reduce the quality of the bag as a protective element.

10.4.4 Sufficient care must be taken not to lose bags during the loading, transport, unloading and stacking processes, especially in rough weather conditions. Any bags that are inadvertently dumped before the counting operation is complete are to be omitted from the count and replaced at the Contractor’s own cost.

10.4.5 Any dumping aid, used to prevent displacement of bags in strong currents, will not have any sharp corners or edges or any other features that could damage the bags or reduce their material properties, making them unsuitable for their designed purpose.

11. Placement of Geo bags (Pitching)

11.1 The Contractor will place the sand filled Geo bags tightly interlocked to the specified thickness starting from the water line and ending at the floodplain.

12. Dumping Aids

12.1 The Contractor will ensure that his dumping methodology works in all anticipated river currents, in particular strong river currents expected along certain reaches, and that the bags are dumped in the required locations forming a uniform coverage of the underwater area. This may require dumping aids to be used in some locations with strong currents or tidal influence.

12.2 Dumping aids could consist of flexible installations whose objective is to reduce the flow velocities under the dumping barges/pontoons and thus the displacement of dumped bags. Alternatively, the dumping aids may guide the bags to the bottom of the river by reducing the impact of river currents.

Dumping aids could lead to increased loads on the anchor arrangements of the dumping pontoon the effect of which must be taken into account when designing the anchor concept.

13. Dumping of Bags under Water

13.1 Bags will be dumped below Lowest Low Water to form permanent protection and/or a filter layer under subsequently dumped or placed cover layers. The dumping will start at the riverside end of the falling apron and then move upward over the bank towards Lowest Low Water.

13.2 Dumping will only be permitted from boats/barges/pontoons, which are correctly anchored at the required locations which have been accurately verified by survey equipment such as a Total Station or DGPS. Dumping from equipment not properly anchored will not be allowed.

13.3 All dumping will take place in the presence of the Engineer, Consultant and Contactor, or their representatives. After positioning of the dumping pontoon, bags will be placed on the dumping barges/pontoons, and then stacked in individual predefined column configurations, marked at every meter along the front edge of the barges/pontoons. The bags in each stack and the number of stacks in the row must be separately counted and duly recorded in a register by the Engineer, Consultant and Contactor, or their representatives, who will be stationed on the boats/barges/pontoons, before the bags can be dumped.

13.4 As an independent check, the stacking procedure forms part of the video recording of all dumping operations. After the counting has been completed and recorded, the supervisor will give the dumping order. The process of dumping will be recorded on film as well, producing a continuous record of placed bags ready for dumping and all dumping operation for each sequence or line of dumping.

13.5 The total number of bags in each dumping operation is to be entered into an individual registry by the supervisors. The registry is to be duly signed and handed over to the Engineer after each day of dumping. Besides the number of bags, details about the location of the barges/pontoons, date and time, number of labour employed, use of dumping aids, etc. are also to be recorded, for each dumping operation.

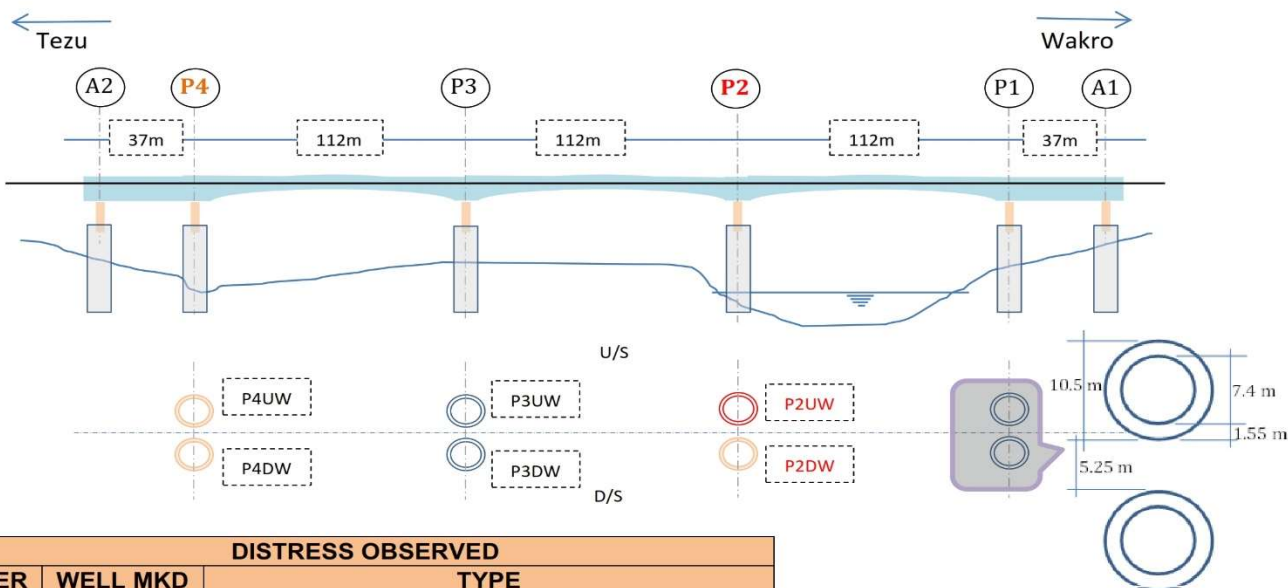
13.6 The work will follow the implementation methods suggested by the Contractor and approved by the Engineer. Any change of the Contractor's methodology requires the written permission of the Engineer.

13.7 The Contractor will check that the dumping results in the required and proper coverage under water using the post-work bathymetric survey and the diving inspections. Areas with improper coverage of bags or any gaps will be filled with bags to achieve the design thickness, through additional dumping.

14. The rates in the Bill of Quantities are deemed to include the costs of haulage from source of supply to the site for all materials required for the Works.

Drawings: The drawings are only representative and the Contractor needs to verify the conditions on site and amend the same accordingly.

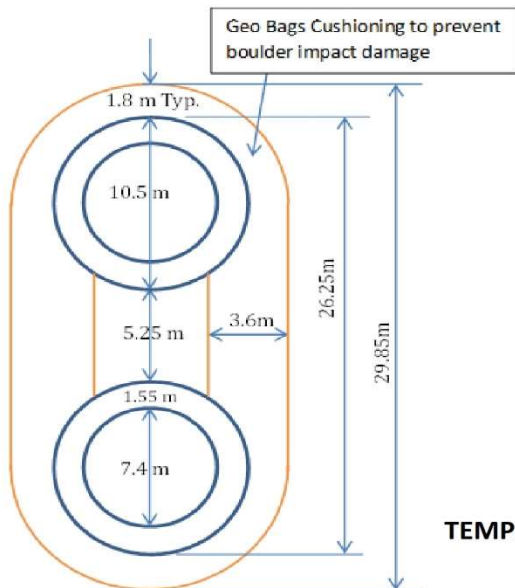
**SCHEMATIC DIAGRAM SHOWING ALARMING DISTRESS IN
WELL FOUNDATION OF PARSHURAMKUND BRIDGE ON LOHIT RIVER
AT KM 750 OF NH 52, ARUNACHAL PRADESH**



| DISTRESS OBSERVED | | |
|-------------------|----------|-----------------------------------|
| PIER | WELL MKD | TYPE |
| P2 | P2UW | MOST DISTRESSED/ HOLE IN STEINING |
| | P2DW | MODERATE- STEINING SURFACE ERODED |
| P4 | P4UW | MODERATE- STEINING SURFACE ERODED |
| | P4DW | MODERATE- STEINING SURFACE ERODED |

NOTE :

- Dia of pier well is 10.50 m OD and 7.40 m ID.
- The distance between two wells below each pier is 5.25m i.e. OD/2.
- The well steining thickness works out to $(10.50-7.40)/2=1.55\text{m}$.
- There appears to be diagonal cracks emanating from both



TEMPORARY CUSHIONING THROUGH SACRIFICIAL GEOBAGS



DETAILS OF DEFECT LIABILITY PERIOD

Defect Liability period shall be **12 (Twelve) Months**
from date of Completion of Works.

INTEGRITY PACT FORMAT

This integrity Pact is made at _____ on this _____ day of _____ 2022.

BETWEEN

[**President of India through** NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD., established under the Companies Act, 2013, represented by its Managing Director and having its principal office at 3rd Floor, PTI Building, 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.....dtd.....}* (hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract/s for *{Name of the work}* (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 of 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 or 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 **Shri Sushil Gupta, CCS (Retd.)** as 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 ~~consortium~~ Joint Venture partner, this pact must be signed by all partners or ~~consortium~~ 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}*