# National Highways & Infrastructure Development Corporation Limited (Ministry of Road Transport & Highways, Government of India)

Minutes of Meeting of Empowered Technical Bid Evaluation Committee (TEC) held on 06.10.2020 to evaluate the Technical bids for Consultancy services for Authority's Engineer for Supervision of:

- (i) Construction of two lane with hard shoulders of Arrowa-Khupa-Hayuliang Section of NH-113 from Ch 68.550 Km to 91.633 in the state of Arunachal Pradesh on EPC Mode under NH(O)-NE.
- (ii) Construction of two lane with hard shoulders of Demwe-Brahmkund section of NH-13 from Ch 0.000 Km to 18.464 in the state of Arunachal Pradesh on EPC Mode under NH(O)-NE.
- 1. The bids for subject services were invited from the prospective bidders with bid due date as 21.09.2020 till 1430 Hrs.
- 2. TEC met on 22.09.2020 at 1430 Hours to open the technical bids submitted by the bidders.
- 3. It was apprised that:
  - a) As per clause 4.1 of Section-2 of RFP, bidders are required to submit their Technical Proposal only through online mode i.e. via CPP portal and INFRACON portal and no separate hard copy was required to be submitted.
  - b) The details of firms who have submitted their bids online are as under:

Sr. No	Name of Consultant	Type of Venture	Lead Member (or Sole)	Other Member (JV/ Associate)
1	M/s Marc Technocrats Private Limited	Sole	-	-
2	M/s Aushta Consulting Engineers (India) Pvt. Ltd M/s DN Consultant (JV) in association with M/s Arjun Engineering And Consulting (OPC) Private Limited	JV & Association	M/s Aushta Consulting Engineers (India) Pvt. Ltd.	M/s DN Consultant (JV) in association with M/s Arjun Engineering And Consulting (OPC) Private Limited
3	M/s Geo Designs and Research (P) Ltd. in association with M/s Inertia Engineering Solutions	Association	M/s Geo Test House (A Division of Geo Designs and Research (P) Ltd.)	M/s Inertia Engineering Solutions
4	M/s CMEC Consulting Engineers Pvt. Ltd M/s Jindals Consortium (JV) in association with Dracs Consultancy and Construction Private Limited	JV & Association	M/s CMEC Consulting Engineers Pvt. Ltd.	M/s Jindals Consortium in association with M/s Dracs Consultancy and Construction Private Limited

c) As per the Section-3 & 4 of RFP, the bidders were required to upload the Experience of the firm and list of the proposed Key personnel & Summary of CVs Particulars on INFRACON Portal. Whereas, Site Appreciation, Approach paper on methodology for performing the assignment, Facility for field investigation and testing, Time schedule

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- for deployment of Professional staff and Activity (works) schedule were required to be uploaded on CPP Portal.
- d) Based on the credential submitted by the bidders on CPP Portal and INFRACON Portal, Evaluation of bids has been carried out manually as certain new parameters like Experience in use of technology for road inspection was added in the Model RFP and INFRACON Portal is not upgraded with the present Model RFP.
- 4. The Committee noted that the Consultants have submitted their Technical Proposal on e-Procurement Portal i.e. on CPP Portal & INFRACON portal and the evaluation has been carried out based on the details submitted by bidders. The proposals were examined as per Section-2 (Letter of Invitation to Consultants) Data Sheet of RFP Document.
- The Committee noted that as per clause 3.4 (x) (f) of Section-2 (Letter of Invitation to Consultants) of RFP Document, "If a CV scores less than 75% marks, whatever marks it scores will be carried forward for maximum 3 nos, key personnel for determining the total score of the firm. However, if the Key Personnel does not fulfill the minimum academic qualification (as mentioned at Enclosure-B of TOR of RFP), the overall score of his CV will be evaluated as zero. If the Key Personnel does not fulfill the minimum qualification related to experience (as mentioned at Enclosure-B TOR of RFP), then zero marks will only be assigned for that sub criteria, but the marks obtained by the CV of the Key Personnel will be carried forward for maximum 3 nos. key personnel for determining the total score of the firm. In case, a firm is H-1, then all such Key Personnel (whose CV scores less than 75% or who do not fulfill the minimum qualification) will have to be replaced by the firm before signing the contract. The reduction in remuneration of such replacements shall be 10% for each replacement. In case more than 3 CV scores less than 75% marks or Team leader cum Senior Pavement Engineer scores less than 75% marks, the proposal shall be considered non-responsive".
- 6. Accordingly, the detailed evaluation sheets are enclosed at Annexure A.
- 7. In its evaluation, the committee observed that the participating firms as mentioned above in para 2(b) are technically qualified in terms of provisions of RFP. The Technical score of the firms are as under:

Sl. No.	Name of Bidder		Evaluation criteria for assessment of experience i n use of technology for road inspection ( Total Score20 )	Qualifications and competence of the key staff for the assignment ( Total Score 40 )		Contracts awarded in NHIDCL (as per clause 23 of the RFP)
1	M/s Marc Technocrats Private Limited	39.50	20	33.49	92.99	0
2	M/s Geo Designs and Research (P) Ltd. in association with M/s Inertia Engineering Solutions	40	19	29.58	88.58	1-Geo

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3	M/s Aushta Consulting Engineers (India) Pvt. Ltd M/s DN Consultant (JV) in association with M/s Arjun Engineering And Consulting (Opc) Private Limited	40	16	36.28	92.28	0
4	M/s CMEC Consulting Engineers Pvt. Ltd M/s Jindals Consortium (JV) in association with M/s Dracs Consultancy and Construction Private Limited	40	15	33.97	88.97	0

- 8. It was bought to the notice to the Committee that M/s Jindals Consortium in association with MAV Associates has been debarred by NHIDCL for all future projects of/or to be undertaken by NHIDCL for a period of 2 years from the date of issue that office order dated 06.10.2020. Hence **As per RFP section-I para-18**, the bid submitted by M/s CMEC Consulting Engineers Pvt. Ltd.-M/s Jindals Consortium (JV) in association with M/s Dracs Consultancy and Construction Private Limited for the subject work was not entertained by the committee. The Committee has decided to consider the bid as Technically Non-Responsive
- 9. It was informed to the Committee that one of the bidder namely M/s Marc Technocrats Private Limited has submitted the CV of Sh. Satyendra Kumar for the post of Team Leader. Sh. Satyendra Kumar was proposed by the H1 bidder M/s Geo Designs and Research (P) Ltd. in the NHIDCL AE project awarded on 29.09.2020 for Kohima Jesami Road 9Pkg 1, 2 & 3) work. Accordingly bidder M/s Marc Technocrats Private Limited is required to replace the CV for Team Leader post having equal or more marks as evaluated for subject work, if the work is awarded to them.
- 10. It is also observed by the Committee in the CV provided by bidder M/s Geo Designs and Research (P) Ltd. in association with Inertia Engineering Solutions for the post of Senior Quality/Material Expert, the name of the Key Personnel in the CV uploaded on Infracon portal is BPG, however as per the document attached with bid, the name of Key Personnel is Brindaban Parwar. Since there is a mismatch in the name, hence the marks for Senior Quality/Material Expert has been considered as zero, subject to the clarification from the Key Personnel and Consultant.
- 11. In view of the above, TEC decided to ask all the bidders to submit their comments within 7 days as per Clause 10 (vii) data sheet of RFP by uploading Technical Score on website.

Meeting ended with vote of thanks to Chair.

Ajay Ahluwalia

Convener

AK/Jha,

Member

B. Shir Prasad

GM (T)

Member

Bhaskar Mallick Man (Finance)

Member

- CONSULTANCY SERVICES FOR AUTHORITY'S ENGINEER FOR SUPERVISION OF:
  (i) Construction of two lane with hard shoulders of Arrowa-Khupa-Hayuliang Section of NH-113 from Ch 68.550 Km to 91.633 in the state of Arunachal Pradesh on EPC Mode under NH(O)-NE.
  (ii) Construction of two lane with hard shoulders of Demwe-Brahmkund section of NH-13 from Ch 0.000 Km to 18.464 in the state of Arunachal Pradesh on EPC Mode under NH(O)-NE.

Firm Name	e: M/s Marc Technocrats	Pvt. Ltd	1.				
Sr. No.	r. No. Particulars Max Points					Points Scored	
1	Relevant experience for the assignment			40	40	39.50	Marks
2	Experience in use of technology for road inspection 20				20	20.00	
	Qualifications and competence of the key staff for the assignment				37.14	33.49	
		1	Team Leader Cum Senior Pavement Engineer	12	10.92	10.32	86
		2	Resident cum Highway Engineer 1	6	5.46	5.16	86
3	Key Personnel	3	Bridge/ Structural Engineer	6	5.46	5.46	91
	Ney Fersonner	4	Senior Quality cum Material Expert 1	6	5.46	5.31	88.5
		5	Senior Pavement Specialist	6	5.46	5.16	86
	6 Road Safety Expert					2.08	52
		•	Total Marks			92.99	

		Relevant experi	ence for the as	signment		
1	<b>Evaluation Criteria for</b>	Assessment of Expe	rience of the	Firm.		
S. No.	Descrip	ition	Max Marks	Marks self assessed by the bidder	Marks obtained	Reference/Detail s of projects Claimed for self- assessment
1	Average Annual Turnove consultancy business < 2% of TPC – 0 marks 2% of TPC – 1.5 marks Add for additional turnotwo five) marks for every of TPC subject to maximum Nos. of Highway Professio	over 0.25 (Zero point 1% of TPC above 2% m 0.5 marks	2	2	2	Rs 16.95 Cr
2 2.1 2.2 2.3 2.4	<10     Oct-20     >20 but ≤30  >30	0 8 9	10	10	10	
Manage with en	rofessionals who posses ement / Geology/ Enviro nployment in the firm for nel on INFRACON	nment Science or En	gineering and	8 years experie	nce in highw	ay/bridge /tunnel
3	Experience as Independer Engineer/ Construction S of Highway Projects of 2/ (40% of project length) or 1 project – 8 marks Add completed assignment Engineer/Independent E (Zero point five) marks assignment of supervisio to maximum 2 (Two) mark	upervision in Number 4/6-laning** of length more in last 7 years. 1(one) mark extra for to f Authority ngineer and add 0.5 extra for completed n consultancy subject	10	10	10	
4	Experience in DPR/Fe Preliminary Design Rep Number of Highway Proj of length (40% of project 7 years. 1 project – 4 marks Add marks extra for each add to maximum 1 mark.	poort preparation for ects of 2/4/6-laning** length) or more in last 0.5 (Zero point five)	5	5	4.5	
5	In hand DPRs of Hi Projects ( presently under					
5.1 5.2 5.3	<2 2-5 >5	0 5 10	10	10	10	
6	Experience in Constru DPR/Design Review of M length of more than 500 n 1project–2.0 marks Add 0.5 (Zero point five) additional project subject	ajor structures having neter in last 7 years. marks extra for each	3	3	3	

40

40

39.5

Total

		Experience in use of	technology for	road inspecti	on	
2	Evaluati	on Criteria for asses	<del>-</del>		e of technolo	gy for
			road inspecti	on		
S. No.	Descrip	tion	Max Marks	Marks Claimed	Marks obtained	Reference/Details of projects Claimed for self-assessment
1	Experience in Network Su better technology for p		7	7	7	
1.1	Equipm	ient	4		4	
	(a) Equipment on MOU hiring b		2		0	
	(b) Own Eq	uipment	4		4	
1.2	Experie					
(i)	1-2 projects	1	3		3	7
(ii)	3-5 projects	2				
(iii)	> 5 projects Experience in Falling W	<u> </u>				
2	(FWD) or better technostrength mea	ology for pavement	4	4	4	
2.1	Equipm	ient	2			
	(a) Equipment on MOU hiring b		1		2	
	(b) Own Equipment		2			
2.2	Experie	ence				
(i)	1-3 Projects	1	2		2	6
(ii)	>3 Projects	2				
3	Experience in Mobile Brid better technology for		5	5	5	
3.1	Equipm	ient	2			
	(a) Equipment on MOU hiring b		1		2	
	(b) Own Eq	_	2			
3.2	Experie					
(i)	1-2 Projects	1	3		3	7
(ii)	3-5 Projects	2				
(iii)	> 5 Projects	3				
4	Experience in Retro refle	3,	4	4	4	
4.1	Equipment on MOU		2			
	hiring b		1		2	
	(b) Own Eq		2			
4.2	Execution with owned through As		2		2	7
(i)	1-3 Projects	1	2		2	<b>'</b>
(ii)	>3 Projects	2				
	Total		20	20	20	

3. Evaluation Criteria for assessment of score of Key Staff for adequacy of the Assignment

3.1	3. Evaluation Criteria for assessment of sco Team Leader : Satyendra Kumar		arrior adequacy or t	ine Abbigiinient	
Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
II)	Graduate in Civil Engineering Post-Graduation in Management/ Construction/ Transportation/Highway Engineering/Structural Engineering or equivalent specialised stream of civil engineering	21 4	21	21	Yes
2	Adequacy for the Project	70	70	65	
a)	Professional Experience in Highway Projects:				
i)	Total Professional Experience in handling Highway projects < 12 years -0 12 years -8 marks Add 1 mark extra for each additional year of experience subject to maximum 2 (two) marks.	10	10	10	
ii)	Experience as Team Leader or similar capacity in Highway Development Projects(similar configuration (2/4/6 laning**) and above) < 5 years -0 5 years -11 marks Add 1 marks extra for each additional year of experience subject to maximum 4 (four) marks.	15	15	15	
iii)	Experience as Team Leader or similar capacity in Highway Development projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) on EPC 1 project -4 marks add 1 mark extra for additional projects subject to maximum1 (one) mark	5	5	0	
b)	Experience as Team Leader or similar capacity of project Preparation including design of major highway Project (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  < 2 projects -0 2 Projects -11 marks Add 2 marks for each additional project subject to maximum 4 marks.	15	15	15	
c)	Experience in position of Team Leader/Project Manager or similar capacity in Construction Supervision/IC involving length 40% of project length or more of similar configuration (2/4/6** laning) and above < 2 projects — 0 2 Projects — 16 marks Add 2 marks extra for each additional project subject to maximum 4 (four) marks	20	20	20	
d)	Experience as Team Leader or similar capacity in Operation and Maintenance of Major Highway (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  1 project — 4 marks Add 1 mark extra for each additional project subject to maximum 1 (one) mark	5	5	5	
3)	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0	
	Total:	100	91	86	
<u> </u>	Ago on hid due date: Not mare than SE years	12	10.92 09-01-1964	10.32 21-09-2020	57
Note:	Age on bid due date: Not more than 65 years.		00-01-1004	Z 1-03-2020	

- (1) Similar Capacity includes the following positions
  i) On behalf of Consultant: Team Leader/Resident Engineer (Construction Supervision/IE/AE/DPR).
  ii) On behalf of Contractor: Project Manager (Construction/Construction Supervision)
- iii) In Government Organizations: Superintending Engineer (or equivalent) and above
- (2) Only those projects will be considered for evaluation at S. No. 2(b) where the input of the personnel is not < 9 months.

  (3) Only those projects will be considered for evaluation at S. No. 2l), where the input of the personnel is not < 12 months.

3.2	Resident cum Highway Engineer-1: Mr. Rakesh Kumar				
Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
l)	Graduate in Civil Engineering	21	21	21	Yes
II)	Post Graduation in Transportation/Highway Engineering/Structural Engineering/Geotechnical Engineering or equivalent	4	0	0	
2	Adequacy for the Project	70	70	65	
i)	Professional Experience Total Professional Experience in handling Highway projects < 12 years -0 12 years -16 marks Add 1 mark extra for each additional year of experience subject to maximum 4 (four) marks.	20	20	20	
ii)	Experience as Resident Engineer/Project Director/Project Manager/Superintending Engineer or equivalent/Executive Engineer or equivalent on construction works/Authority Engineer/Independent EngineerProjects(similarconfiguration(2/4/6laning*) and above). < 5 years -0; 5 years -15 marks Add 1 marks extra for each additional year of experience subject to maximum 5 (five) marks.	20	20	20	
iii)	Experience in similar capacity in handling major 2/4/6-laning** projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos19 marks Add three marks extra for each additional project subject to maximum 6 (Six)marks.	25	25	25	
iv)	Experience in similar capacity of Highway Project of Construction/Construction Supervision/IC on EPC Mode(of length 40% of project length or more of similar configuration (2/4/6 laning**) and above)  1 Project- 4 marks Add 1 (one) mark extra for each additional project subject to maximum 1 (one) mark	5	5	0	
3)	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0	
	Total:	100	91	86	
		6	5.46	5.16	
L	Age on bid due date: Not more than 65 years.		08-07-1975	21-09-2020	45

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant: Resident / Highway Engineer
- ii) On behalf of Contractor: Resident Engineer/ Highway Engineer / Project Manager (Construction/Construction Supervision)
- iii) In Government Organizations: Executive Engineer (or equivalent) and above
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

I) G P II)  2 AA P P T T H A A M M E D B B	General Qualification Graduate in Civil Engineering Post Graduation in Structural Engineering Adequacy for the Project Professional Experience Total Professional Experience in handling Highway/Bridge projects 10 years -0 0 years -11 marks Add 1 mark extra for each additional 2 year subject to maximum 4 (four) marks.  Experience in similar capacity in Design/Construction/Construction Supervision of	25 21 4 70	21 21 0 70	21 21 0 70	Yes
II)  2 A PP To Hi A i) A B E D B B	Adequacy for the Project Professional Experience Otal Professional Experience in handling dighway/Bridge projects 10 years -0 0 years -11 marks dd 1 mark extra for each additional 2 year subject to maximum 4 (four) marks.	70	70	7 <b>0</b>	Yes
i)	Adequacy for the Project Professional Experience Total Professional Experience in handling Highway/Bridge projects 10 years -0 0 years -11 marks 10 years -11 marks 11 mark extra for each additional 2 year subject to naximum 4 (four) marks.	70	70	70	
i) Property in the second of t	Professional Experience Total Professional Experience in handling dighway/Bridge projects 10 years -0 0 years -11 marks dd 1 mark extra for each additional 2 year subject to naximum 4 (four) marks.				
i) Property in the second of t	Professional Experience Total Professional Experience in handling dighway/Bridge projects 10 years -0 0 years -11 marks dd 1 mark extra for each additional 2 year subject to naximum 4 (four) marks.	15	15	15	
D <sub>i</sub> B <sub>i</sub>	Design/Construction/Construction Supervision of				1
ii) at < 5 A	Bridges/ROB/Flyover/Interchanges/any other such tructures (similar configuration (2/4/6 laning**) and bove)  5 years -0; years -15 marks kdd 1 (one) mark extra for each additional completed ear of experience subject to maximum 5 (five) marks	20	20	20	
iii) Hi	experience in similar capacity in supervision of Major dighway Bridges/ROB/Flyover/ Interchanges/ any other tructures are 2 Bridges -0 Bridge -15 marks and 2.5 mark extra for each additional bridge subject to maximum 5 marks	20	20	20	
iv) Rollin	experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/Interchanges/ any other structures 2 nos. – 0 nos 8 marks 3 nos 10	10	10	10	
v) Fu	experience in similar capacity of modern bridge construction technology viz., Precast Segmental, salanced Cantilever Construction, Extra dosed Bridge, full Span Launching, Incremental Launching.  Experience in 1 project – 4 marks  More than one project – 5 marks	5	5	5	
3) < 1 A	mployment with the Firm : 1 year -0 year -3 marks idd 0.5 marks for each subsequent year subject to naximum 2 marks	5	0	0	
To	otal:	100	91	91	
		6 16-12-1975	5.46	5.46 21-09-2020	

- (1) Similar Capacity includes the following positions
  i) On behalf of Consultant/Contractor: Bridge Engineer/Project Manager (Bridges)
  ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective
- Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

General Qualification	Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
Graduate in Civil Engineering	1	General Qualification	25		21	
Post-Graduation in Transportation/Highway   Engineering/Pavement engineering or equivalent   4						Yes
Professional Experience Total Professional Experience of Pavement Design/Construction and Maintenance of Highways/Roads/Air Field Runway  1) 10 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.  Experience in Similar capacity in Construction/Construction Supervision of 2/4/6- laining* of major Highway Projects (similar configuration (2/4/6 laining*) and above)  5 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.  Experience in similar capacity as Pavement/Geo- technical Engineer in construction/ construction supervision of Major Highway projects (of length 40% of project length or more of similar configuration (2/4/6 laring*) and above)  2 nos20 marks Add 2.5 marks extra for each additional project subject to maximum 5 marks.  Experience in similar capacity on EPC Projects (of length 40% of project length or more of similar configuration (2/4/6 laring*) and above)  Experience in similar capacity on EPC Projects (of length 40% of project length or more of similar configuration (2/4/6 laring*) and above)  Experience in similar capacity on EPC Projects (of length 40% of project length or more of similar configuration (2/4/6 laring*) and above)  Experience in similar capacity on EPC Projects (of length 40% of project length or more of similar configuration (2/4/6 laring*) and above)  5 5 5 0  10 0  11 Project -4 marks Add 1 (one) mark extra for each additional project subject to maximum 1 (one) mark  Employment with the Firm  1 year -3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks  10 0 91 86		Post-Graduation in Transportation/Highway				
Total Professional Experience of Pavement Design/Construction and Maintenance of Highways/Roads/Air Field Runway <10 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.  Experience in Similar capacity in Construction/Construction Supervision of 2/4/6-laning** of major Highway Projects (similar configuration (2/4/6 laning**) and above) < 5 years -0; 5 years -0; 5 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.  Experience in similar capacity as Pavement/Geo- technical Engineer in construction/ construction supervision of Major Highway projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) < 20 sos0 20 marks Add 2.5 marks extra for each additional project subject to maximum 5 marks.  Experience in similar capacity on EPC Projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above)	2	Adequacy for the Project	70	70	65	
Construction/Construction Supervision of 2/4/6-laning** of major Highway Projects (similar configuration (2/4/6 laning**) and above)	i)	Total Professional Experience of Pavement Design/Construction and Maintenance of Highways/Roads/Air Field Runway < 10 years -0 10 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.	20	20	20	
Engineer in construction/ construction supervision of Major Highway projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above)  2 nos20 marks Add 2.5 marks extra for each additional project subject to maximum 5 marks.  Experience in similar capacity on EPC Projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above)  iv) 1 Project- 4 marks Add 1 (one) mark extra for each additional project subject to maximum 1 (one) mark  Employment with the Firm  < 1 year - 0  1) year - 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks  Total:  100 91 86  5.16	ii)	Construction/Construction Supervision of 2/4/6-laning** of major Highway Projects (similar configuration (2/4/6 laning**) and above) < 5 years -0; 5 years -15 marks Add one mark extra for each additional year of experience	20	20	20	
40% of project length or more of similar configuration (2/4/6 laning**) and above)  iv) 1 Project- 4 marks Add 1 (one) mark extra for each additional project subject to maximum 1 (one) mark  Employment with the Firm < 1 year -0 3) 1 year - 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks  Total:  100 91 86 5.16	iii)	Engineer in construction/ construction supervision of Major Highway projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos20 marks Add 2.5 marks extra for each additional project subject to	25	25	25	
< 1 year -0	iv)	40% of project length or more of similar configuration (2/4/6 laning**) and above) 1 Project- 4 marks Add 1 (one) mark extra for each additional project subject	5	5	0	
6 5.46 5.16	3)	< 1 year -0 1 year - 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks				
		Total:		_		
				5.46		

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant/Contractor: Pavement Specialist/ Pavement Engineer/ Pavement Expert / Highway Engineer
- ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 6 months
- (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
I)	Graduate in Civil Engineering	21	21	21	Yes
II)	Post Graduation in Geotechnical Engineering / Foundation Engineering/Soil Mechanics / Rock Mechanics or equivalent	4	0	0	
2	Adequacy for the Project	70	70	67.5	
i)	Professional Experience  Total Professional Experience in handling Highway / Bridge projects < 10 years -0 10 years -11 Add one mark extra for each additional year of experience subject to maximum 4 (four) marks	15	15	15	
ii)	Experience in similar capacity in Construction / Construction Supervision of major Highway Projects ((similar configuration (2/4/6 laning**) and above)) < 5 years -0; 5 years -19 Add 2.0 (two) marks extra for each additional year of experience subject to maximum 6 (Six) marks.	25	25	25	
iii)	Experience in similar capacity in handling Similar Highway projects (of length 40% of project length or more of similar configuration (2/4/6laning**) and above) < 2 nos0 2 nos25 Add 2.5 marks extra for each additional project subject to maximum 5 (five) marks.	30	30	27.5	
3	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0	
	Total:	100	91	88.5	
		6	5.46	5.31	
	Age on bid due date: Not more than 65 years.		01-07-1972	21-09-2020	48

### Note

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant/Contractor: Quality Expert/ Material Engineer/Material Expert/ Quality Engineer/ Geo-Technical Expert.
- ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months
- (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on Infracon Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	<u>25</u>	25	<u>25</u>	VEC
I)	Graduate in Civil Engineering Post-Graduation in Traffic/ Transportation/ Safety	21	21	21	YES
II)	Engineering or equivalent	4	4	4	YES
2	Adequacy for the Project	70	70	27	
i)	Professional Experience Total Professional Experience in handling Highway/Bridge projects < 10 years -0 10 years -11 marks Add one mark extra for each additional year of experience subject to maximum 4 (four) marks	15	15	12	
ii)	Experience in similar capacity in Road Safety works on Major Highway Project (similar configuration (2/4/6laning**) and above). <5years-0 5 years -11 marks Add one mark extra for each additional year of experience subject to maximum 4 (four) marks.	15	15	15	
iii)	Experience in similar capacity in Road Safety Audits of 2/4/6- laning** Highway projects at different stages including at least one at design stage < 2 nos0 2 nos15 marks Add 2.5 marks extra for each additional project subject to maximum 5 marks.	20	20	0	
iv)	Experience in similar capacity in identification and improvement of black spots on Major Highway Project (similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos8 marks Add 2 marks extra for each additional improvement of black spots subject to maximum 2 marks.	10	10	0	
v)	Experience in similar capacity of preparing Road Safety Management Plans for Inter Urban Highway 1 project -4 marks 2 or more -5 marks	5	5	0	
vi)	Experience in similar capacity in field of Road Safety Management Plan 1 project -4 marks 2 or more -5 marks	5	5	0	
3)	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0	
	Total:	100	95	52	
		4	3.80	2.08	
	Age on bid due date: Not more than 65 years.		27-11-1983	21-09-2020	37

- Note:
  (1) Similar Capacity includes the following positions
  i) On behalf of Consultant/Contractor: Road Safety Expert
  ii) In Government Organizations: Executive Engineer (or equivalent) and above
  (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 6 months

- CONSULTANCY SERVICES FOR AUTHORITY'S ENGINEER FOR SUPERVISION OF:
  (i) Construction of two lane with hard shoulders of Arrowa-Khupa-Hayuliang Section of NH-113 from Ch 68.550 Km to 91.633 in the state of Arunachal Pradesh on EPC Mode under NH(O)-NE.
  (ii) Construction of two lane with hard shoulders of Demwe-Brahmkund section of NH-13 from Ch 0.000 Km to 18.464 in the state of Arunachal Pradesh on EPC Mode under NH(O)-NE.

Firm Name	Firm Name: M/s AUSHTA CONSULTING ENGINEERS (INDIA) PVT. LTD DN Consultant (JV) in association with ARJUN ENGINEERING AND CONSULTING (OPC) PRIVATE LIMITED								
Sr. No.		Particulars Max Points Points claimed Points Scored							
1	Relevant experience for	the ass	ignment	40	40	40.00	Marks		
2	Experience in use of ted	hnolog	y for road inspection	19	16.00				
	Qualifications and competence of the key staff for the assignment				36.4	36.28			
		1	Team Leader Cum Senior Pavement Engineer	12	10.92	10.92	91		
		2	Resident cum Highway Engineer	6	5.46	5.46	91		
3	Key Personnel	4	Bridge/ Structural Engineer	6	5.46	5.46	91		
	Rey Personner	5	Senior Quality cum Material Expert	6	5.46	5.46	91		
		8	Senior Pavement Specialist	6	5.46	5.46	91		
		9	Road Safety Expert	4	3.64	3.52	88		
			Total Marks			92.28			

Relevant experience for the assignment								
1	<b>Evaluation Criteria for</b>	Assessment of Expe	rience of the	Firm.				
S. No.	Descrip	tion	Max Marks	Marks self assessed by the bidder	Marks obtained	Reference/Detail s of projects Claimed for self- assessment		
1	Average Annual Turnove consultancy business				Rs 66.34 Cr			
	< 2% of TPC - 0 marks					( Austha)		
	2% of TPC - 1.5 marks	2	2	2	Rs 6.17 Cr			
		turnover 0.25 (Zero point		( DN Consultant)				
	two five) marks for every					,		
	of TPC subject to maximur	n 0.5 marks						
2	Nos. of Highway Professio	nals with the firm *						
2.1	<10	0						
2.2	Oct-20	8						
2.3	>20 but ≤30	9	10	10	10			
2.4	>30	10						

\*The professionals who possess degree in Civil Engineering/Transport Planning /Transport Economics/Traffic Management / Geology/ Environment Science or Engineering and 8 years experience in highway/bridge /tunnel with employment in the firm for more than one year. The current Employment Certificate shall be uploaded by Key Personnel on INFRACON

3	Experience as Independent Engineer/ Construction Strong Highway Projects of 2/(40% of project length) or 1 project – 8 marks Add completed assignment Engineer/Independent Engine	upervision in Number 4/6-laning** of length more in last 7 years. 1(one) mark extra for t of Authority ngineer and add 0.5 extra for completed in consultancy subject		10	10	
4	Experience in DPR/Fea Preliminary Design Rep Number of Highway Proje of length (40% of project l 7 years. 1 project – 4 marks Add marks extra for each addi to maximum 1 mark		5	5		
5	In hand DPRs of Hig Projects ( presently under	, . ,				
5.1	<2	0	10	10	10	
5.2	2-5	5				
5.3	>5	10				
6	Add 0.5 (Zero point five) marks extra for each additional project subject to maximum 1.0 marks			3	3	
	Total		40	40	40	

	Experience in use of technology for road inspection									
2		Evaluation Criteria	for assessmer	nt of experie	nce in use of	technology for				
			road	inspection						
S. No.	Descrip	otion	Max Marks	Marks Claimed	Marks obtained	Reference/Details of projects Claimed for self-assessment				
1	Experience in Network Subetter technology for p		7	7	6					
1.1	Equipn	nent	4	4	4					
	(a) Equipment on MOU hiring t		2		0					
	(b) Own Eq	uipment	4		4					
1.2	Experie									
(i)	1-2 projects	1	3	3	2	3				
(ii)	3-5 projects	2								
(iii) 2	> 5 projects 3  Experience in Falling Weight Deflectometer (FWD) or better technology for pavement strength measurement		4	4	4					
2.1	Equipment		2							
	(a) Equipment on MOU hiring b		1	2	2					
	(b) Own Eq		2							
2.2	Experie									
(i)	1-3 Projects	1	2	2	1	3				
(ii)	>3 Projects	2								
3	Experience in Mobile Brid better technology for		5	4	4					
3.1	Equipn	nent	2							
	(a) Equipment on MOU hiring t		1	1	1					
	(b) Own Eq	uipment	2							
3.2	Experie									
(i)	1-2 Projects	1	3	3	3	7				
(ii)	3-5 Projects > 5 Projects	3								
4	Experience in Retro refle		4	4	3					
4.1	Equipn		2			1				
	(a) Equipment on MOU with Associate or on hiring basis		1	2	2					
	(b) Own Equipment		2							
4.2	Execution with owned through As	ssociate	2	2	1	3				
(i)	1-3 Projects	1			•	J				
(ii)	>3 Projects	2	22	4.0	4.5					
	Total		20	19	16					

3. Evaluation Criteria for assessment of score of Key Staff for adequacy of the Assignment

No. Description Points Description Obtained of projects Claims of the Communication of the Co	3.1	3.1 Team Leader : Sujit Kumar								
Carduste in Cold Engineering   21   21   74   74   75   75   75   76   76   76   76   76		Description		assessed		Reference/ Details of projects Claimed				
Dost-Graduation   Management   Construction										
Professional Experience in Highway Projects:   Total Professional Experience in handling Highway projects or 12 years -0 15 years -0 15 years -0 15 years -10 years		Post-Graduation in Management/ Construction/ Transportation/Highway Engineering/Structural Engineering or equivalent specialised stream of civil		21	21	Yes				
Total Professional Experience in handling Highway projects < 12 years -0 12 years -8 marks Add 1 mark extra for each additional year of experience subject to maximum 2 (two) marks.  10 10 10 10 10 10 10 10 10 10 10 10 10 1	2		70	70	70					
Highway Development Projects (similar configuration (2/4/6 laning**) and above) 5 years -0 5 years -11 marks Add 1 marks extra for each additional year of experience subject to maximum 4 (four) marks. Experience as Team Leader or similar capacity in Highway Development projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) on EPC 1 project 4 marks add 1 mark extra for additional projects subject to maximum 1 (one) mark Experience as Team Leader or similar capacity of project Preparation including design of major highway Project (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) 		Total Professional Experience in handling Highway projects < 12 years -0 12 years -8 marks Add 1 mark extra for each additional year of experience	10	10	10					
Highway Development projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) on EPC  1 project -4 marks add 1 mark extra for additional projects subject to maximum 1 (one) mark  Experience as Team Leader or similar capacity of project Preparation including design of major highway Project (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  2 projects -0 2 projects -11 marks Add 2 marks for each additional project subject to maximum 4 marks.  Experience in position of Team Leader/Project Manager or similar capacity in Construction Supervision/IC involving length 40% of project length or more of similar configuration (2/4/6** laning) and above < 2 projects -0 2 Projects -16 marks Add 2 marks extra for each additional project subject to maximum 4 (four) marks  Experience as Team Leader or similar capacity in Operation and Maintenance of Major Highway (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  1 project -4 marks Add 1 mark extra for each additional project subject to maximum 1 (one) mark  Employment with the Firm < 1 year -0 3) 1 year -3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks  Total:  100 91 91  100 91 91  100 91  100 91  100 91  100 91  100 91	ii)	Highway Development Projects(similar configuration (2/4/6 laning**) and above) < 5 years -0 5 years -11 marks Add 1 marks extra for each additional year of experience	15	15	15					
project Preparation including design of major highway Project (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  2 Projects -0 2 Projects -1 marks Add 2 marks for each additional project subject to maximum 4 marks.  Experience in position of Team Leader/Project Manager or similar capacity in Construction Supervision/IC involving length 40% of project length or more of similar configuration (2/4/6** laning) and above  2 2 projects -0 2 Projects -16 marks Add 2 marks extra for each additional project subject to maximum 4 (four) marks  Experience as Team Leader or similar capacity in Operation and Maintenance of Major Highway (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  1 project -4 marks Add 1 mark extra for each additional project subject to maximum 1 (one) mark  Employment with the Firm 1 year -0 3) 1 year -3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks  Total:  100 91 91  112 10.92	iii)	Highway Development projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) on EPC  1 project -4 marks add 1 mark extra for additional projects	5	5	5					
similar capacity in Construction Supervision/IC involving length 40% of project length or more of similar configuration (2/4/6** laning) and above < 2 projects — 0 2 Projects — 16 marks Add 2 marks extra for each additional project subject to maximum 4 (four) marks  Experience as Team Leader or similar capacity in Operation and Maintenance of Major Highway (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  1 project — 4 marks Add 1 mark extra for each additional project subject to maximum 1 (one) mark  Employment with the Firm < 1 year — 0  1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks  Total:  100 91 91  10.92	b)	project Preparation including design of major highway Project (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  2 projects -0 2 Projects -11 marks Add 2 marks for each additional project subject to	15	15	15					
Operation and Maintenance of Major Highway (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  1 project — 4 marks Add 1 mark extra for each additional project subject to maximum 1 (one) mark  Employment with the Firm < 1 year -0  3) 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks  Total:  100 91 91 10.92	c)	similar capacity in Construction Supervision/IC involving length 40% of project length or more of similar configuration (2/4/6** laning) and above < 2 projects — 0 2 Projects – 16 marks Add 2 marks extra for each additional project subject to	20	20	20					
< 1 year -0	d)	Operation and Maintenance of Major Highway (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  1 project — 4 marks  Add 1 mark extra for each additional project subject to maximum 1 (one) mark		5	5					
12 10.92 10.92	3)	< 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks								
		I otal:				<u> </u>				
		Age on bid due date: Not more than 65 years.	12	10.92 01-06-1966	21-09-2020	54				

- Note:
  (1) Similar Capacity includes the following positions
  i) On behalf of Consultant: Team Leader/Resident Engineer (Construction Supervision/IE/AE/DPR).
  ii) On behalf of Contractor: Project Manager (Construction/Construction Supervision)
  iii) In Government Organizations: Superintending Engineer (or equivalent) and above
  (2) Only those projects will be considered for evaluation at S. No. 2(b) where the input of the personnel is not < 9 months.
  (3) Only those projects will be considered for evaluation at S. No. 2I, (d) where the input of the personnel is not < 12 months.

3.2	Resident cum Highway Engineer-1: Mr. Subash Chandr	a			
Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
I)	Graduate in Civil Engineering	21	21	21	Yes
II)	Post Graduation in Transportation/Highway Engineering/Structural Engineering/Geotechnical Engineering or equivalent	4	0	0	
2	Adequacy for the Project	70	70	70	
i)	Professional Experience Total Professional Experience in handling Highway projects < 12 years -0 12 years -16 marks Add 1 mark extra for each additional year of experience subject to maximum 4 (four) marks.	20	20	20	
ii)	Experience as Resident Engineer/Project Director/Project Manager/Superintending Engineer or equivalent/Executive Engineer or equivalent on construction works/Authority Engineer/Independent EngineerProjects(similarconfiguration(2/4/6laning*) and above). < 5 years -0; 5 years -15 marks Add 1 marks extra for each additional year of experience subject to maximum 5 (five) marks.	20	20	20	
iii)	Experience in similar capacity in handling major 2/4/6-laning** projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos19 marks Add three marks extra for each additional project subject to maximum 6 (Six)marks.	25	25	25	
iv)	Experience in similar capacity of Highway Project of Construction/Construction Supervision/IC on EPC Mode(of length 40% of project length or more of similar configuration (2/4/6 laning**) and above)  1 Project- 4 marks  Add 1 (one) mark extra for each additional project subject to maximum 1 (one) mark	5	5	5	
3)	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0	
	Total:	100	91	91	
		6	5.46	5.46	
	Age on bid due date: Not more than 65 years.		05-12-1972	21-09-2020	48

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant: Resident / Highway Engineer

- ii) On behalf of Constructor: Resident / righway Engineer / Project Manager (Construction/Construction Supervision)
  iii) In Government Organizations: Executive Engineer (or equivalent) and above
  (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months
  (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

1 General Qualification 21 21 21 21 21 21 21 21 21 21 21 21 21	Sr. No.	Bridge/Structural Engineer: Mr. Aditya Ishwar  Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
Post Graduation in Structural Engineering						
II)   4   0   0   0			21	21	21	Yes
Professional Experience  Total Professional Experience in handling Highway/Bridge projects < 10 years -0 10 years -10 10 years -11 marks Add 1 mark extra for each additional 2 year subject to maximum 4 (four) marks.  Experience in similar capacity in Design/Construction/Construction Supervision of Bridges/ROB/Flyover/Interchanges/any other such structures (similar configuration (2/4/6 laning**) and above) < 5 years -0; 5 years -15 marks Add 1 (one) mark extra for each additional completed year of experience subject to maximum 5 (five) marks  Experience in similar capacity in supervision of Major Highway Bridges/ROB/Flyover/ Interchanges/ any other structures  Experience in similar capacity in supervision of Major Highway Bridges/ROB/Flyover/ Interchanges/ any other structures  Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures  Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures  Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures  2 nos 8 marks > 3 nos 10  Experience in similar capacity of modern bridge construction technology viz., Precast Segmental, Balanced Cantilever Construction, Extra dosed Bridge, Figure and Segmental, Balanced Cantilever Construction, Extra dosed Bridge, Figure and Segmental, Balanced Cantilever Construction, Extra dosed Bridge, Experience in 1 project – 4 marks More than one project – 5 marks  Employment with the Firm < 1 year-0  3) 1 year-3 marks		Post Graduation in Structural Engineering	4	0	0	
Professional Experience  Total Professional Experience in handling Highway/Bridge projects <10 years -0 10 years -10 marks Add 1 mark extra for each additional 2 year subject to maximum 4 (four) marks.  Experience in similar capacity in Design/Construction/Construction Supervision of Bridges/ROB/Flyover/Interchanges/any other such structures (similar configuration (2/4/6 laning**) and above) <5 years -15 marks Add 1 (one) mark extra for each additional completed year of experience subject to maximum 5 (five) marks  Experience in similar capacity in supervision of Major Highway Bridges/ROB/Flyover/ Interchanges/ any other structures  Experience in similar capacity in supervision of Major Highway Bridges/ROB/Flyover/ Interchanges/ any other structures  Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures  Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures  Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures  2 nos 8 marks  3 nos 10  Experience in similar capacity of modern bridge construction technology viz., Precast Segmental, Balanced Cantilever Construction, Extra dosed Bridge, Full Span Launching, Incremental Launching.  Experience in 1 project – 4 marks More than one project – 5 marks  Employment with the Firm  <1 year -0  10 0	2	Adequacy for the Project	70	70	70	
Design/Construction/Construction Supervision of Bridges/RDB/Flyover/Interchanges/any other such structures (similar configuration (2/4/6 laning**) and above)  4 years -0; 5 years -15 marks Add 1 (one) mark extra for each additional completed year of experience subject to maximum 5 (five) marks Experience in similar capacity in supervision of Major Highway Bridges/ROB/Flyover/ Interchanges/ any other structures 3 20 20 20 20 20 20 20 20 20 20 20 20 20	i)	Professional Experience Total Professional Experience in handling Highway/Bridge projects < 10 years -0 10 years -11 marks Add 1 mark extra for each additional 2 year subject to	15	15	15	
Highway Bridges/ROB/Flyover/ Interchanges/ any other structures  < 2 Bridges -0 2 Bridges -15 marks Add 2.5 mark extra for each additional bridge subject to maximum 5 marks  Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures  iv) < 2 nos 0 2 nos 8 marks > 3 nos 10  Experience in similar capacity of modern bridge construction technology viz., Precast Segmental, Balanced Cantilever Construction, Extra dosed Bridge,  v) Full Span Launching, Incremental Launching. Experience in 1 project - 4 marks More than one project - 5 marks  Employment with the Firm < 1 year -0 3) 1 year -3 marks  20 20 20 20 20 20 20 20 20 20 20 20 20	ii)	Design/Construction/Construction Supervision of Bridges/ROB/Flyover/Interchanges/any other such structures (similar configuration (2/4/6 laning**) and above) < 5 years -0; 5 years -15 marks Add 1 (one) mark extra for each additional completed	20	20	20	
Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures  iv) < 2 nos 0 2 nos 8 marks > 3 nos 10  Experience in similar capacity of modern bridge construction technology viz., Precast Segmental, Balanced Cantilever Construction, Extra dosed Bridge, v) Full Span Launching, Incremental Launching.  Experience in 1 project - 4 marks More than one project - 5 marks  Employment with the Firm < 1 year -0 3) 1 year -3 marks  5 0 0	iii)	Highway Bridges/ROB/Flyover/ Interchanges/ any other structures < 2 Bridges -0 2 Bridge -15 marks Add 2.5 mark extra for each additional bridge subject to	20	20	20	
construction technology viz., Precast Segmental, Balanced Cantilever Construction, Extra dosed Bridge,  v) Full Span Launching, Incremental Launching.  Experience in 1 project – 4 marks More than one project – 5 marks  Employment with the Firm  < 1 year -0  3) 1 year -3 marks  5 0 0	iv)	Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures < 2 nos. – 0 2 nos 8 marks	10	10	10	
< 1 year -0 3) 1 year -3 marks 5 0 0	v)	construction technology viz., Precast Segmental, Balanced Cantilever Construction, Extra dosed Bridge, Full Span Launching, Incremental Launching. Experience in 1 project – 4 marks		5	5	
maximum 2 marks	3)	< 1 year -0 1 year -3 marks Add 0.5 marks for each subsequent year subject to		0	0	
Total: 100 91 91		Total:	100			
6 5.46   5.46				5.46		

- (1) Similar Capacity includes the following positions
  i) On behalf of Consultant/Contractor: Bridge Engineer/Project Manager (Bridges)
  ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective
- Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

3.4	Senior Pavement Specialist: Mr. Ashish Kumar				
Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
I)	Graduate in Civil Engineering	21	21	21	Yes
II)	Post-Graduation in Transportation/Highway Engineering/Pavement engineering or equivalent	4	0	0	
2	Adequacy for the Project	70	70	70	
i)	Professional Experience  Total Professional Experience of Pavement Design/Construction and Maintenance of Highways/Roads/Air Field Runway < 10 years -0 10 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.	20	20	20	
ii)	Experience in Similar capacity in Construction/Construction Supervision of 2/4/6- laning** of major Highway Projects (similar configuration (2/4/6 laning**) and above) < 5 years -0; 5 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.	20	20	20	
iii)	Experience in similar capacity as Pavement/Geo- technical Engineer in construction/ construction supervision of Major Highway projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos20 marks Add 2.5 marks extra for each additional project subject to maximum 5 marks.	25	25	25	
iv)	Experience in similar capacity on EPC Projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above)  1 Project- 4 marks  Add 1 (one) mark extra for each additional project subject to maximum 1 (one) mark	5	5	5	
3)	Employment with the Firm < 1 year -0 1 year – 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks		0	0	
	Total:	100	91	91	
		6	5.46	5.46	
	Age on bid due date: Not more than 65 years.	16-04-1977		21-09-2020	43

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant/Contractor: Pavement Specialist/ Pavement Engineer/ Pavement Expert / Highway Engineer
- ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 6 months
- (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

3.3	.3 Senior Quality cum Material Expert: Mr. Narender Kumar Tiwari									
Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed					
1	General Qualification	25	21	21						
I)	Graduate in Civil Engineering	21	21	21	Yes					
II)	Post Graduation in Geotechnical Engineering / Foundation Engineering/Soil Mechanics / Rock Mechanics or equivalent	4	0	0						
2	Adequacy for the Project	70	70	70						
i)	Professional Experience Total Professional Experience in handling Highway / Bridge projects < 10 years -0 10 years -11 Add one mark extra for each additional year of experience subject to maximum 4 (four) marks	15	15	15						
ii)	Experience in similar capacity in Construction / Construction Supervision of major Highway Projects ((similar configuration (2/4/6 laning**) and above)) < 5 years -0; 5 years -19 Add 2.0 (two) marks extra for each additional year of experience subject to maximum 6 (Six) marks.	25	25	25						
iii)	Experience in similar capacity in handling Similar Highway projects (of length 40% of project length or more of similar configuration (2/4/6laning**)and above) < 2 nos0 2 nos 25 Add 2.5 marks extra for each additional project subject to maximum 5 (five) marks.	30	30	30						
3	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0						
	Total:	100	91	91						
		6	5.46	5.46	1					
<u> </u>	Age on bid due date: Not more than 65 years.		02-10-1965	21-09-2020	55					

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant/Contractor: Quality Expert/ Material Engineer/Material Expert/ Quality Engineer/ Geo-Technical Expert.
- ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months
- (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on Infracon Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
l)	Graduate in Civil Engineering	21	21	21	YES
II)	Post-Graduation in Traffic/ Transportation/ Safety	4			
	Engineering or equivalent				
2	Adequacy for the Project	70	70	67	
i)	Professional Experience Total Professional Experience in handling Highway/Bridge projects < 10 years -0 10 years -11 marks Add one mark extra for each additional year of experience subject to maximum 4 (four) marks	15	15	12	
ii)	Experience in similar capacity in Road Safety works on Major Highway Project (similar configuration (2/4/6laning**) and above). <5years-0 5 years-11 marks Add one mark extra for each additional year of experience subject to maximum 4 (four) marks.	15	15	15	
iii)	Experience in similar capacity in Road Safety Audits of 2/4/6- laning** Highway projects at different stages including at least one at design stage < 2 nos0 2 nos15 marks Add 2.5 marks extra for each additional project subject to maximum 5 marks.	20	20	20	
iv)	Experience in similar capacity in identification and improvement of black spots on Major Highway Project (similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos8 marks  Add 2 marks extra for each additional improvement of black spots subject to maximum 2 marks.	10	10	10	
v)	Experience in similar capacity of preparing Road Safety Management Plans for Inter Urban Highway 1 project -4 marks 2 or more -5 marks	5	5	5	
vi)	Experience in similar capacity in field of Road Safety Management Plan 1 project -4 marks 2 or more -5 marks	5	5	5	
3)	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks		0	0	
	Total:	100	91	88	1
	. •	4	3.64	3.52	

### Note

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant/Contractor: Road Safety Expert
- ii) In Government Organizations: Executive Engineer (or equivalent) and above
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 6 months

- CONSULTANCY SERVICES FOR AUTHORITY'S ENGINEER FOR SUPERVISION OF:
  (i) Construction of two lane with hard shoulders of Arrowa-Khupa-Hayuliang Section of NH-113 from Ch 68.550 Km to 91.633 in the state of Arunachal Pradesh on EPC Mode under NH(O)-NE.
  (ii) Construction of two lane with hard shoulders of Demwe-Brahmkund section of NH-13 from Ch 0.000 Km to 18.464 in the state of Arunachal Pradesh on EPC Mode under NH(O)-NE.

Firm Name	Ltd. in Association with Inertia Engineering Solutions						
Sr. No.		Points Scored					
1	Relevant experience for	elevant experience for the assignment				40.00	Marks
2	Experience in use of te	chnolog	y for road inspection	20	19	19.00	
	Qualifications and com	petence	of the key staff for the assignment	40	37.08	29.58	
		1	Team Leader Cum Senior Pavement Engineer	12	11.4	9.96	83
		2	Resident cum Highway Engineer 1	6	5.46	5.16	86
3	Kau Barrannal	3	Bridge/ Structural Engineer	6	5.46	5.34	89
	Key Personnel	4	Senior Quality cum Material Expert 1	6	5.46	0.00	91
		5	Senior Pavement Specialist	6	5.46	5.40	90
		6	Road Safety Expert	4	3.84	3.72	93
			Total Marks			88.58	

	Relevant experience for the assignment								
1	<b>Evaluation Criteria for</b>	Assessment of Expe	erience of the	Firm.					
S. No.	Descrip	Max Marks	Marks self assessed by the bidder	Marks obtained	Reference/Detail s of projects Claimed for self- assessment				
1	Average Annual Turnove consultancy business	er (last 3 years) from							
	< 2% of TPC - 0 marks		2	2					
	2% of TPC - 1.5 marks	2% of TPC – 1.5 marks			2	Rs 24.48 Cr			
	Add for additional turns								
	two five) marks for every								
	of TPC subject to maximu								
2	Nos. of Highway Profession	onals with the firm *							
2.1	<10	0							
2.2	Oct-20	8							
2.3	>20 but ≤30	9	10	10	10				
2.4	>30	10	-						
*****	<i>c</i>	10		. 101	/m	. /m cc			

\*The professionals who possess degree in Civil Engineering/Transport Planning /Transport Economics/Traffic Management / Geology/ Environment Science or Engineering and 8 years experience in highway/bridge /tunnel with employment in the firm for more than one year. The current Employment Certificate shall be uploaded by Key Personnel on INFRACON

3	Experience as Inde Authority Engineer/ Con in Number of Highway laning** of length (40% more in last 7 years. 1 project – 8 marks Add completed assignmen Engineer/Independent E (Zero point five) marks assignment of supervisio to maximum 2 (Two) mar	Projects of 2/4/6- of project length) or  1(one) mark extra for t of Authority ngineer and add 0.5 extra for completed n consultancy subject	10	10	10	
4	Experience in DPR/Feasibility Study cum Preliminary Design Report preparation for Number of Highway Projects of 2/4/6-laning** of length (40% of project length) or more in last 7 years.  1 project – 4 marks Add 0.5 (Zero point five) marks extra for each additional project subject to maximum 1 mark.		5	5	5	
5	In hand DPRs of Highway/Bridge/Tunnel Projects ( presently under progress)					
5.1	<2	0	10	10	10	
5.2	2-5	5				
5.3	>5	10				
6	Experience in Construction Supervision / DPR/Design Review of Major structures having length of more than 500 meter in last 7 years.  1project-2.0 marks Add 0.5 (Zero point five) marks extra for each additional project subject to maximum 1.0 marks		3	3	3	
	Total		40	40	40	

	Experience in use of technology for road inspection							
2	Evaluation Criteria for assessment of experience in use of technology for							
			road inspecti	on				
S. No.	Descrip	tion	Max Marks	Marks Claimed	Marks obtained	Reference/Details of projects Claimed for self-assessment		
1	Experience in Network Su better technology for p		7	7	7			
1.1	Equipment		4		4	]		
	(a) Equipment on MOU with Associate or on hiring basis		2		0			
	(b) Own Equipment		4		4			
1.2	Experie							
(i)	1-2 projects	1	3		3	6		
(ii)	3-5 projects	2						
(iii)	> 5 projects Experience in Falling W	aight Deflectometer						
2	(FWD) or better technostrength mea	ology for pavement	4	4	4			
2.1	Equipment		2					
	(a) Equipment on MOU with Associate or on hiring basis		1		2			
	(b) Own Equipment		2					
2.2	Experience							
(i)	1-3 Projects	1	2		2	6		
(ii)	>3 Projects	2						
3	Experience in Mobile Brid better technology for	_	5	4	4			
3.1	Equipm	ient	2					
	(a) Equipment on MOU with Associate or on hiring basis		1		1			
	(b) Own Equipment		2					
3.2	Experie							
(i)	1-2 Projects	1	3		3	6		
(ii)	3-5 Projects	2						
(iii)	> 5 Projects	3						
4	Experience in Retro reflectometer technology		4	4	4			
4.1	Equipment		2					
	(a) Equipment on MOU with Associate or on hiring basis		1		2			
	(b) Own Equipment		2					
4.2	Execution with owned / hired Equipment / through Associate		2		2	6		
(i)	1-3 Projects	1				J		
(ii)	>3 Projects	2						
	Total		20	19	19			

3. Evaluation Criteria for assessment of score of Key Staff for adequacy of the Assignment

ii) GPP PP TT FE PP	Description  General Qualification  Graduate in Civil Engineering  Post-Graduation in Management/ Construction/ Transportation/Highway Engineering/Structural Engineering or equivalent specialised stream of civil Engineering  Adequacy for the Project  Professional Experience in Highway Projects: Total Professional Experience in handling Highway Projects Total Professional Experience Tot	Max. Points  25 21  4  70  10	Marks self assessed by the bidder 25 21 4 70 10	Marks obtained 21 21 10	Reference/ Details of projects Claimed  Yes
ii) GPP PP TT FE PP	Graduate in Civil Engineering Post-Graduation in Management/ Construction/ Fransportation/Highway Engineering/Structural Engineering or equivalent specialised stream of civil Engineering Adequacy for the Project Professional Experience in Highway Projects:  Total Professional Experience in handling Highway projects:  Total Professional Experience in handling Highway projects:  Total Professional Experience in handling Highway with the projects of the project of the projects of the project of the projects	21 4 <b>70</b> 10	21 4 70 10	62 10	Yes
ii) Properties of the properti	Post-Graduation in Management/ Construction/ Transportation/Highway Engineering/Structural Engineering or equivalent specialised stream of civil Ingineering or equivalent specialised stream of civil Ingineering addequacy for the Project Professional Experience in Highway Projects: Total Professional Experience in handling Highway projects Total Professional Experience in handling Highway in the projects of the proj	4 <b>70</b> 10	4 <b>70</b> 10	<b>62</b> 10	Yes
2 AA a) P To pr 12 AA si ii) E: H ((2) (2) iii) < 5 AA st EH H lea a1	Adequacy for the Project Professional Experience in Highway Projects: Otal Professional Experience in handling Highway projects 12 years -0 2 years -8 marks Add 1 mark extra for each additional year of experience subject to maximum 2 (two) marks.  Experience as Team Leader or similar capacity in highway Development Projects(similar configuration 2/4/6 laning**) and above) 15 years -0 15 years -1 marks 16 years -1 marks 17 years -1 marks 18 years -1 marks 19 years -1 marks 19 years -1 marks 19 years -1 marks 19 years -1 marks 20 years -1 marks 21 years -1 marks 22 years -1 marks 23 years -1 marks 24 years -1 marks 25 years -1 marks 26 years -1 marks	10	10	10	
i) E: H(2) St  ii) = E: H(2) St  Ei H(2) S	Total Professional Experience in handling Highway projects 12 years -0 2 years -8 marks 12 years -8 marks 13 year -1 each additional year of experience ubject to maximum 2 (two) marks.  Experience as Team Leader or similar capacity in highway Development Projects(similar configuration 2/4/6 laning**) and above) 15 years -0 15 years -11 marks 15 years -11 marks 16 years -11 marks 17 years -11 marks 18 years -11 marks 18 years -11 marks 19 years -11 marks 20 years -11 marks 21 years -10 years -11 marks				
i) E:H H(2 (2 ii) <5 A SL E:H He lear 1	experience as Team Leader or similar capacity in dighway Development Projects(similar configuration 2/4/6 laning**) and above) : 5 years -0 years -11 marks add 1 marks extra for each additional year of experience ubject to maximum 2 (five) marks.				
ii) < 5 Ad St.  Ei: Hi le ar 1	dighway Development Projects(similar configuration 2/4/6 laning**) and above) s 5 years -0 s years -11 marks dd 1 marks extra for each additional year of experience ubject to maximum 4 (four) marks.	15	15	15	
Hi le iii) ar 1	xperience as Team Leader or similar capacity in				
pr	dighway Development projects (of length 40% of project ength or more of similar configuration (2/4/6 laning**) and above) on EPC  1 project -4 marks add 1 mark extra for additional projects subject to maximum1 (one) mark	5	5	0	
b) at 2	experience as Team Leader or similar capacity of surject Preparation including design of major injury project (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above).  2 projects -0  Projects -11 marks  2 marks for each additional project subject to maximum 4 marks.	15	15	13	
c) or in co	experience in position of Team Leader/Project Manager or similar capacity in Construction Supervision/IC nvolving length 40% of project length or more of similar configuration (2/4/6** laning) and above 12 projects — 0  1. Projects — 16 marks 1. Projec	20	20	20	
d) (2 1 A	experience as Team Leader or similar capacity in operation and Maintenance of Major Highway (of length 10% of project length or more of similar configuration 2/4/6 laning**) and above).  project — 4 marks add 1 mark extra for each additional project subject to naximum 1 (one) mark	5	5	4	
3)	mployment with the Firm : 1 year -0 year — 3 marks  kdd 0.5 marks for each subsequent year subject to naximum 2 marks	5	0	0	
T	otal:	100	95	83	
	Age on bid due date: Not more than 65 years.	12	11.40 01-03-1966	9.96 21-09-2020	55

- Note:
  (1) Similar Capacity includes the following positions
  i) On behalf of Consultant: Team Leader/Resident Engineer (Construction Supervision/IE/AE/DPR).
  ii) On behalf of Contractor: Project Manager (Construction/Construction Supervision)
  iii) In Government Organizations: Superintending Engineer (or equivalent) and above
  (2) Only those projects will be considered for evaluation at S. No. 2(b) where the input of the personnel is not < 9 months.
  (3) Only those projects will be considered for evaluation at S. No. 2I, (d) where the input of the personnel is not < 12 months.

3.2	Resident cum Highway Engineer-1: Mr. Feroz Hashmi				
Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
I)	Graduate in Civil Engineering	21	21	21	Yes
II)	Post Graduation in Transportation/Highway Engineering/Structural Engineering/Geotechnical Engineering or equivalent	4	0	0	
2	Adequacy for the Project	70	70	65	
	Professional Experience				
i)	Total Professional Experience in handling Highway projects < 12 years -0 12 years -16 marks Add 1 mark extra for each additional year of experience subject to maximum 4 (four) marks.	20	20	20	
ii)	Experience as Resident Engineer/Project Director/Project Manager/Superintending Engineer or equivalent/Executive Engineer or equivalent on construction works/Authority Engineer/Independent EngineerProjects(similarconfiguration(2/4/6laning*) and above). < 5 years -0; 5 years -15 marks Add 1 marks extra for each additional year of experience subject to maximum 5 (five) marks.	20	20	20	
iii)	Experience in similar capacity in handling major 2/4/6-laning** projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos19 marks Add three marks extra for each additional project subject to maximum 6 (Six)marks.	25	25	25	
iv)	Experience in similar capacity of Highway Project of Construction/Construction Supervision/IC on EPC Mode(of length 40% of project length or more of similar configuration (2/4/6 laning**) and above)  1 Project- 4 marks Add 1 (one) mark extra for each additional project subject to maximum 1 (one) mark	5	5	0	
3)	Employment with the Firm <1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0	
	Total:	100	91	86	
		6	5.46	5.16	
	Age on bid due date: Not more than 65 years.		26-05-1974	21-09-2020	46

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant: Resident / Highway Engineer

- ii) On behalf of Constructor: Resident / righway Engineer / Project Manager (Construction/Construction Supervision)
  iii) In Government Organizations: Executive Engineer (or equivalent) and above
  (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months
  (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

I) (FII) FIII) FIII) FIII	General Qualification Graduate in Civil Engineering Post Graduation in Structural Engineering	<b>25</b> 21	bidder		of projects Claimed
11) F	Post Graduation in Structural Engineering	21	21	21	
11) 2 /	Ç Ç		21	21	Yes
F		4	0	0	
F	Adequacy for the Project	70	70	68	
i)	Professional Experience Total Professional Experience in handling Highway/Bridge projects < 10 years -0 10 years -11 marks Add 1 mark extra for each additional 2 year subject to maximum 4 (four) marks.	15	15	13	
ii) 6	Experience in similar capacity in  Design/Construction/Construction Supervision of Bridges/ROB/Flyover/Interchanges/any other such structures (similar configuration (2/4/6 laning**) and above) < 5 years -0; 5 years -15 marks Add 1 (one) mark extra for each additional completed year of experience subject to maximum 5 (five) marks	20	20	20	
iii)	Experience in similar capacity in supervision of Major Highway Bridges/ROB/Flyover/ Interchanges/ any other structures < 2 Bridges -0 2 Bridge -15 marks Add 2.5 mark extra for each additional bridge subject to maximum 5 marks	20	20	20	
iv) 5	Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/Interchanges/ any other structures < 2 nos. – 0 2 nos 8 marks > 3 nos 10	10	10	10	
v) F	Experience in similar capacity of modern bridge construction technology viz., Precast Segmental, Balanced Cantilever Construction, Extra dosed Bridge, Full Span Launching, Incremental Launching.  Experience in 1 project – 4 marks  More than one project – 5 marks	5	5	5	
3)	Employment with the Firm < 1 year -0 1 year -3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0	
1	Total:	100	91	89	
		6	5.46 13-06-1974	5.34 21-09-2020	

- (1) Similar Capacity includes the following positions
  i) On behalf of Consultant/Contractor: Bridge Engineer/Project Manager (Bridges)
  ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective
- Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
I)	Graduate in Civil Engineering	21	21	21	Yes
II)	Post-Graduation in Transportation/Highway Engineering/Pavement engineering or equivalent	4	0	0	
2	Adequacy for the Project	70	70	69	
i)	Professional Experience  Total Professional Experience of Pavement Design/Construction and Maintenance of Highways/Roads/Air Field Runway < 10 years -0 10 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.	20	20	20	
ii)	Experience in Similar capacity in Construction/Construction Supervision of 2/4/6- laning** of major Highway Projects (similar configuration (2/4/6 laning**) and above) < 5 years -0; 5 years -15 marks Add one mark extra for each additional year of experience subject to maximum 5 (five) marks.	20	20	20	
iii)	Experience in similar capacity as Pavement/Geo- technical Engineer in construction/ construction supervision of Major Highway projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos20 marks Add 2.5 marks extra for each additional project subject to maximum 5 marks.	25	25	25	
iv)	Experience in similar capacity on EPC Projects (of length 40% of project length or more of similar configuration (2/4/6 laning**) and above) 1 Project- 4 marks Add 1 (one) mark extra for each additional project subject to maximum 1 (one) mark	5	5	4	
3)	Employment with the Firm < 1 year -0 1 year – 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks		0	0	
	Total:	100	91	90	
		6	5.46	5.40	

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant/Contractor: Pavement Specialist/ Pavement Engineer/ Pavement Expert / Highway Engineer
- ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 6 months
- (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on INFRACON Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

3.3	Senior Quality cum Material Expert: Mr. Mr. BPG				
Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	0	
I)	Graduate in Civil Engineering	21	21	0	Yes
II)	Post Graduation in Geotechnical Engineering / Foundation Engineering/Soil Mechanics / Rock Mechanics or equivalent	4	0	0	
2	Adequacy for the Project	70	70	0	
	Professional Experience				
i)	Total Professional Experience in handling Highway / Bridge projects < 10 years -0 10 years -11 Add one mark extra for each additional year of experience subject to maximum 4 (four) marks	15	15	0	
ii)	Experience in similar capacity in Construction / Construction Supervision of major Highway Projects ((similar configuration (2/4/6 laning**) and above)) < 5 years -0; 5 years -19 Add 2.0 (two) marks extra for each additional year of experience subject to maximum 6 (Six) marks.	25	25	0	
iii)	Experience in similar capacity in handling Similar Highway projects (of length 40% of project length or more of similar configuration (2/4/6laning**)and above) < 2 nos0 2 nos 25 Add 2.5 marks extra for each additional project subject to maximum 5 (five) marks.	30	30	0	
3	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	0	0	
	Total:	100	91	0	
		6	5.46	0.00	
	Age on bid due date: Not more than 65 years.		03-08-1965	21-09-2020	55

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant/Contractor: Quality Expert/ Material Engineer/Material Expert/ Quality Engineer/ Geo-Technical Expert.
- ii) On behalf of Government: Executive Engineer
- (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months
- (3) In case of experience on behalf of Authority's Engineer or Contractor, the experience shall be duly endorsed by the respective Government agency. In case of non-availability of endorsement from Govt. Agency, the experience uploaded on Infracon Portal will be taken into consideration. However, the key personnel/ bidder will be solely responsible for any fake information/ CV, which may result in debarment.

3.7	Road Safety Expert: Mr. Hemant Kumar Panday		Manta salé		1
Sr. No.	Description	Max. Points	Marks self assessed by the bidder	Marks obtained	Reference/ Details of projects Claimed
1	General Qualification	25	21	21	
l)	Graduate in Civil Engineering	21	21	21	YES
II)	Post-Graduation in Traffic/ Transportation/ Safety	4	0		
•	Engineering or equivalent	70	70	60	
2	Adequacy for the Project Professional Experience	70	70	69	
i)	Total Professional Experience in handling Highway/Bridge projects < 10 years -0 10 years -11 marks Add one mark extra for each additional year of experience subject to maximum 4 (four) marks	15	15	15	
ii)	Experience in similar capacity in Road Safety works on Major Highway Project (similar configuration (2/4/6laning**) and above). <5years-0 5 years -11 marks Add one mark extra for each additional year of experience subject to maximum 4 (four) marks.	15	15	15	
iii)	Experience in similar capacity in Road Safety Audits of 2/4/6- laning** Highway projects at different stages including at least one at design stage < 2 nos0 2 nos15 marks Add 2.5 marks extra for each additional project subject to maximum 5 marks.	20	20	20	
iv)	Experience in similar capacity in identification and improvement of black spots on Major Highway Project (similar configuration (2/4/6 laning**) and above) < 2 nos0 2 nos8 marks  Add 2 marks extra for each additional improvement of black spots subject to maximum 2 marks.	10	10	10	
v)	Experience in similar capacity of preparing Road Safety Management Plans for Inter Urban Highway 1 project -4 marks 2 or more -5 marks	5	5	5	
vi)	Experience in similar capacity in field of Road Safety Management Plan 1 project -4 marks 2 or more -5 marks	5	5	4	
3)	Employment with the Firm < 1 year -0 1 year — 3 marks Add 0.5 marks for each subsequent year subject to maximum 2 marks	5	5	3	
	Total:	100	96	93	
	1	4	3.84	3.72	1

- (1) Similar Capacity includes the following positions
- i) On behalf of Consultant/Contractor: Road Safety Expert
- ii) In Government Organizations: Executive Engineer (or equivalent) and above
  (2) Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 6 months