

**NATIONAL HIGHWAYS AUTHORITY OF INDIA
MADURAI REGION**

Minutes of Meeting of Tender Evaluation Committee dated 23.12.2024 for "Consultancy Services for Preparation of DPR for (1) Four Laning of Existing Two Lane with Paved Shoulders of Thuvakudi - Panjapur section from Km 110/016 to Km 135/930 of Old NH-67 in the State of Tamil Nadu (Length - 25.914 Km), (2) Four Laning of Trichy - Karur section from Km 135/930 to Km 153/230 of Old NH-67 (Ring Road to Trichy Town) in the State of Tamil Nadu (Length - 19.965 Km including approaches of ROB / Flyover in Trichy - Karur section) & (3) Four Laning of Elevated Corridor & At Grade Improvements from Km 4/000 to Km 7/000 of Trichy - Madurai section of NH- 38 (Old NH-45B) Including Construction of a Flyover on the Trichy Bypass of Old NH-67 in the State of Tamil Nadu (Length - 3.00 Km) (2nd Call)".

1. The Tender Evaluation Committee, constituted upon the approval of Regional Officer, Madurai has opened the bids on 17.12.2024 and the following Bids were received;

- i. M/s LN Malviya Infra Projects Pvt. Ltd. in association with M/s Highway Engineering Consultant, Bhopal (Bid ID: 779919)
- ii. M/s K&J Projects Pvt. Ltd. in association with M/s SEG Engineering Services Pvt. Ltd., Maharashtra (Bid ID: 787825)
- iii. M/s Casta Engineering Services Pvt. Ltd. in JV with M/s Hexa Private Joint Stock Company in association with M/s Kaius Consulting Pvt. Ltd., New Delhi (Bid ID: 787914)

2. Upon examining the online bids and with reference to the Team IDs created in Infracon Portal, the committee found that all the 3 Nos. of Bids are responsive. In this regard, the Committee has recommended to confirm the online payments submitted by the bidders (through NEFT/RTGS) towards cost of bid documents in the account of RO, NHAI, Madurai. In turn, F&A Unit, RO, Madurai has confirmed receipt of amounts in NHAI, RO-Madurai Bank Account.

3. Stage-I Evaluation - Proof of Eligibility:

3.1 In this connection, the Minimum Eligibility Requirements has been evaluated as per the Requirements mentioned in para 5.1 Stage-I Proof of Eligibility at S.No. (i) to (vii) of Letter of Invitation of RFP.

3.2 The bid submitted by M/s Casta Engineering Services Pvt. Ltd. in JV with M/s Hexa Private Joint Stock Company in association with M/s Kaius Consulting Pvt. Ltd., New Delhi (Bid ID: 787914) has been scrutinized by the Tender Committee and observed the following;

- (i) The submitted copy of legally binding Memorandum of Understanding (MOU) w.r.t. Clause 5.1 (vii) of Stage-I Proof of Eligibility of Letter of Invitation (LoI) of RFP which is signed by all firms i.e. the Lead Partner, JV Partner and Associate Member was executed on 03.12.2024. However, Power of Attorney of JV Partner, M/s Hexa Private Joint Stock Company was signed on 04.12.2024. Thus, the MOU signed by the JV Partner, M/s Hexa Private Joint Stock Company is legally invalid.
- (ii) Further, as per Clause 3.1.3 of Letter of Invitation (LoI) of RFP, the Lead Partner of JV should fulfill atleast 75% of Residual DPR Bid Capacity. However, Lead Partner of the JV Firm;

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M/s Cāsta Engineering Services Pvt. Ltd. (Bid ID: 787914) having Residual DPR Bid Capacity (R) of 1.75 Km which is less than the minimum qualifying criteria i.e. 36.66 Km (75% of 48.88 Km).

3.3 Accordingly, the technical proposal submitted by M/s Casta Engineering Services Pvt. Ltd. in JV with M/s Hexa Private Joint Stock Company in association with M/s Kaius Consulting Pvt. Ltd., New Delhi (Bid ID: 787914) is considered as "Non-responsive" as per Clause 5.1 Stage-I Proof of Eligibility & Clause 3.1.3 of Letter of Invitation (LoI) of RFP and disallowed by the Tender Committee for further evaluation.

3.4 The remaining 2 bids i.e. (i) M/s LN Malviya Infra Projects Pvt. Ltd. in association with M/s Highway Engineering Consultant, Bhopal (Bid ID: 779919) & (ii) M/s K&J Projects Pvt. Ltd. in association with M/s SEG Engineering Services Pvt. Ltd., Maharashtra (Bid ID: 787825) were satisfied the Minimum Eligibility Requirements as per para 5.1 Stage-I Proof of Eligibility, S.No. (i) to (vii) of Letter of Invitation of RFP and found Responsive in the Stage-I Evaluation.

4. Stage-II Evaluation - Technical Evaluation:

4.1. Consequent upon Stage-I Evaluation, the Tender Committee has carried out Stage-II Technical Evaluation as per RFP (Enclosed as Annexures) and abstract of the same is detailed as under;

S. No	Bid ID	Name of the Bidder	NHAI Score	Remarks
1	779919	M/s LN Malviya Infra Projects Pvt. Ltd. in association with M/s Highway Engineering Consultant, Bhopal	84.09	H-1
2	787825	M/s K&J Projects Pvt. Ltd. in association with M/s SEG Engineering Services Pvt. Ltd., Maharashtra	71.44	H-2

5. The Committee recommends circulating the Evaluation Sheet in Website to receive objections from the Bidders within a period of 7 days as per Para 12.3 of Datasheet of RFP. The Committee decided to meet after receiving objections, if any, from the Bidders at a convenient date and time.


(Prabhat Chandra Nirmohi)
Member


(Vijith Vijayan)
Member


(B Arun Prasad)
Member


(A.N. Praveen Kumar)
Member


(M Chandrasekhar)
Convener

1. M/s LN Malviya Infra Projects Pvt. Ltd. in association with M/s Highway Engineering Consultant, Bhopal

2. Second Stage Evaluation - Technical Evaluation (Para 12.2 of Data Sheet)

A) Firm's Relevant Experience (40)

A1) Firm's Profile, turn over and professionals working with the firm (10)

For standard highways, the following is the break-up:

S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
1	Nos. of Key Professionals with the firm for more than 1 years*	5			
1.1	<10	0.00		0	156 Nos., Page 350-355 of Technical proposal.
1.2	>10 but ≤25	1.50			
1.3	>25 but ≤40	2.50			
1.4	>40 but ≤60	3.50			No minimum Key Personnel i.e. Sr. Highway Design Engineers 2 Nos. only against 3 Nos.
1.5	>60	5.00	5		

Note*The key 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. These Key- Personnel should be inclusive of at least 3 Sr Highway Design Engineer, 2 Senior Pavement/material Specialist, 2 Senior Bridge design Engineer, 2 geotechnical Engineer and 2 Traffic/Road Safety Expert on employee roll at Head Office or Site Office of the Consultant to be eligible for marks in this criteria.

2	Specific experience of firms in terms of turnover in last five (5) Financial Years	5			
2.1	Firm's Average Turnover of last 5 years >250 crore	5.00	5		
2.2	Firm Average Turnover of last 5 years 50 - 250 crore	4.00		4	
2.3	Firm Average Turnover of last 5 years >5 but < 50 crore	3.50			
	Total	10	10.00	4	The average turnover for the last 5 years (2018-19 to 2022-23) is Rs. 127.174 Crore, as per INFRACON records. This calculation is based on a total turnover of Rs. 635.87 Crore for the period.

A2. Firm's relevant experience in last 7 years for DPR work (30)

For standard highways, the following is the break-up:

S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
1	Specific experience of the DPR consultancy related to the assignment for eligibility in last 7 Financial Years	30		> April 2017	
1.1	Aggregate Length of DPR / Feasibility study of 2/4/ 6 lane NH/SH/Expressway projects	10			
1.1.1	More than the indicative Length of the package applied for (From 48,880 Km to 97,758 Km)	3.50	48,879		
1.1.2	More than 2 times the indicative length of the package applied for (From 97,759 Km to 146,637 Km)	4.50	97,758		
1.1.3	More than 3 times the indicative length of the package applied for (From 146,638 Km to 195,516 Km)	5.00	146,637		
1.1.4	More than 4 times the indicative length of the package applied for (From 195,517 Km to 244,395 Km)	6.50	195,516		
1.1.5	More than 5 times the indicative length of the package applied for (From 244,396 Km to 293,274 Km)	8.50	244,395		
1.1.6	More than 6 times the indicative length of the package applied for (More than 293,275 Km)	10.00	293,274	10	10
1.2	DPR for 2/4/6 laning NH/SH/Expressway projects each equal to or more than 40% of Indicative length (19,552 Km) of a package applied for (or Feasibility Study for 2/4/6 laning NH/SH/Expressway projects each equal to or more than 60% of indicative length (29,327 Km) of a package applied for)	15			
1.2.1	1 project	7.50			
1.2.2	2 projects	9.00			
1.2.3	≥ 3 projects	11.00			
1.2.4	4 projects	12.50			
1.2.5	≥ 5 projects	15.00	15	15	
2	DPR of Major Bridges/ROBS/ Viaducts having length more than 1000 m (excluding approaches)	5			
2.1	2 bridge	3.50			
2.2	3 bridges	4.00			
2.3	4 bridges	4.50		4	
2.4	≥ 5 bridges	5.00	5		
	Total	30	30	29	

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Notes:

1. In case feasibility study is a part of DPR services the experience shall be counted in DPR only.

2. In case bridge is included as part of DPR of highway the experience will be counted in both SI No. (1) and (2)

No.	Status of the firm in carrying out DPR/ Feasibility Study	Weightage for experience
1	Sole firm	100%
2	Lead partner in a JV	75%
3	Other partner in a JV	50%
4	As Associate	25%

(R) The experience of a firm in preparation of DPR for a private Concessionaire/contractor shall not be considered.

B) Material testing, survey and investigation, equipment and software proposed to be used (5)

S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
1	Availability of Material Testing Facilities with persons/resources having operational skills of the equipment(as per details given below the table)	0.75			
1.1	Owned* (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	0.75	0.75		
1.2	Not available	0		0	Not Available in INFRACON,

* Shall be ascertained through the ownership evidence uploaded on INFRACON in regard to major equipments required for testing of materials to be used for construction of Highway Project.

2	Availability of minimum Field Investigation Facilities with persons/resources having operational skills of the equipment(as per details given below the table)	0.50			
2.1	Owned** (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	0.50	0.50		
2.2	Not available	0		0	Not Available in INFRACON,

** Shall be ascertained through ownership evidence uploaded on INFRACON for construction of Highway Project.

3	Availability of minimum Office Equipment and Software with persons/resources having operational skills of the equipment(as per details given below the table)	0.75			
3.1	Owned*** (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	0.75	0.75		
3.2	Not available	0		0	Not Available in INFRACON,

*** Shall be ascertained through ownership evidence uploaded on INFRACON for key hardware/software required for Highway consultancy assignment.

4	Experience in LIDAR or better technology for topographic survey (Infrastructure sector) in last 7 Financial Years	1.25			
4.1	1 project	0.25			5 Projects S.No - 57,51,45,43,40 of INFRACON
4.2	2 projects	0.50			
4.3	3 projects	0.75			
4.4	4 projects	1.00			
4.5	≥ 5 projects	1.25	1.25	1.25	
5	Experience in using GPR and Induction Locator or better technologies for detection of sub-surface utilities (Infrastructure sector) in last 7 Financial Years	1			
5.1	1 project	0.25			4 Projects S.No - 57,51,45,43 of INFRACON
5.2	2 projects	0.50			
5.3	3 projects	0.75			
5.4	≥ 4 projects	1.00	1.00	1	
6	Experience in digitization of cadastral maps for land surveys in last 7 Financial Years	0.75			
6.1	Area upto 100 ha	0.25			4161 ha, S.No - 57,40,38 of INFRACON
6.2	Area between 100-500 ha	0.50			
6.3	Area > 500 ha	0.75	0.75	0.75	
Total		5.00	5.00	3	

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List of minimum essential equipment which the firm must possess for securing marks in respective categories:						
Material Testing Facilities (All should be available to be eligible for full marks)						
a) Aggregate testing facility including flakiness index, elongation index, abrasion, impact, crushing, stripping value, unconfined compressive strength, setting time.						
b) Soil testing facility including Atterberg limits, soil classifications, moisture content, density, CBR value.						
Field Investigation Facilities (All should be available to be eligible for full marks)						
a) Falling weight Deflectometer or equivalent / better						
b) Laser profilometer or equivalent / better						
c) DGPS and Total station with appropriate software or equivalent / better						
Office Equipment and Software (All should be available to be eligible for full marks)						
a) Office equipment setup including Computer, plotter, A0 printer etc.						
b) MX/ MOSS or equivalent / better software for road design						
c) AutoCAD						
d) STAAD or equivalent / better						
Note: The experience of firm in Lidar or equivalent technology, GPR and Induction Locator or equivalent technologies and Experience in digitization of cadastral maps for land acquisition shall be supported by experience certificate. The experience of a firm in Lidar or equivalent technology, GPR and Induction Locator or equivalent technologies and Experience in digitization of cadastral maps for land acquisition for a private concessionaire/contractor shall be considered only if the experience certificate is authenticated by the concerned competent Government department/authority. In case of overseas experience the weightage to be assigned to the certificate for experience in use of the equipment, a self-certificate followed by the client certificate with Apostille Certificate may be accepted.						
B2: Experience in use of technology (5)						
S.No.	Description	Maximum Points	Self-Assessment	NMAI Evaluation	References	
1	Experience of Aerial LIDAR or equivalent technology for topographic survey (Infrastructure sector) with persons/resources having operational skills of the equipment with the firm Experience through owned or outsourced equipment supported by MOU / lease Agreement	1.5				
(i)	1 project	0.5				
(ii)	2 projects	1				4 projects, refer page 9-133, 9-138, 9-143, 9-157 of Technical Proposal.
(iii)	>2 projects	1.5	1.50	1.5		
2	Experience of using Geo Physical Survey Equipment (Seismic Reflection / Seismic Refraction / Electrical Resistivity / AEM etc.) for subsurface investigation with the firm through owned or outsourced equipment supported by MOU / lease Agreement	1				
(i)	1 Project	0.5				2 projects, refer page 9-306 to 9-356 of Technical Proposal
(ii)	>1 Projects	1	1.00	1		
3	Experience of use of advanced structural health monitoring systems which consists of accelerometers, Sensors, inclinometers, anemometer, Load measuring pin etc. with software to analyze the data and infer the structural health and residual life. The experience can be through owned or outsourced equipment & software supported by MOU / lease Agreement.	1.5				
(i)	1-2 Major Bridges	0.5				
(ii)	3-5 Major Bridges	1		1		3 bridges, refer page 9-358 to 9-395 of Technical Proposal
(iii)	> 5 Major Bridges	1.5	1.50			
4	Availability and experience in Processing of satellite imagery for the creation of Digital Elevation Model (DEM) and Digital Terrain Model (DTM) with the firm through owned or outsourced equipment supported by MOU / lease Agreement	1				
(i)	1 Project	0.5				3 projects, refer page 9-396 to 9-416 of Technical Proposal
(ii)	>1 Projects	1	1.00	1		
Total		5	5.00	4.5		
Total Firm Score		50.00	50.00	40.50		
* Ownership Shall be ascertained through the ownership evidence.						
Notes:						
(i) The Consultants owning the equipment shall be required to submit proof of ownership.						
(ii) The experience of firm/associate in use of technology shall be supported by experience certificate. The experience of a firm/associate for a private concessionaire/ contractor (client) shall be considered on self-certification along with the client certificate of Government agencies not below the rank of EE/PD/GM or equivalent officer. In case of overseas experience the weightage to be assigned to the certificate for experience in use of the equipment, a self-certificate followed by the client certificate with Apostille Certificate may be accepted. Any false certification shall attract provisions of Clause 3.2.3 x), Section - 2 (letter of Invitation) read with Clause 2.9.1(d) of GCC.						
c. In case, ownership document of equipment Consultancy/Associate firm is found to be false,						
(i) The consultancy/Associate firm, as the case may be, shall be put on holiday listing (temporary debarment) for a period of 12 months.						

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2.4. Qualification and Competence of the Key Staff for adequacy of the Assignment. (Para 12.2 of Data Sheet and Enclosure II of TOR)					
2.4.1 TEAM LEADER cum SENIOR HIGHWAY ENGINEER		Sivaprakasm Marimuthu (30.06.1983 - 41 Years)			
S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
I	Qualification	25			
1	Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks	10	10.00	10.00	BE Civil Engineering from College of Engineering Guindy Chennai in 2005
	Full Time/Regular Post-Graduation in Construction Management/ Transportation/Highway Engineering For PG from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 7.50 marks]	15	15.00	15.00	M.Tech Construction Technology and Management from IIT Madras in 2009
	Part Time Post-Graduation in Construction Management/ Transportation/ Highway Engineering. For PG from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks]	10	0.00		
II	Relevant Experience & Adequacy for the Project	70			
a)	Total Professional Experience	15			
	<15 years	0			> 19 years; S.No.1 to 15 From 05/2005 to Till Date
	15-18 years	11			
	>18-21 years	13			
	> 21 years	15	15.00	15.00	
b)	Experience in Highway Projects- Experience in Planning, project preparation and design of Highway Projects or Construction Supervision of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways (2/4/6 laning of NH/SH/Expressways)	15			
	<12 years	0			> 26 years; S.No.1 to 15 From 05/2005 to Till Date
	12-15 years	10			
	>15-18 years	12.5			
	>18 years	15	15.00	15.00	
c)	Experience in Similar Capacity	40			
(i)	In Feasibility of 2/4/6 laning works or DPR/ of major highway In Feasibility of 2/4/6 laning works or DPR/ of major highway	30			
	< 80km	0			S.No.3 - DPR - 200 km - 2L, S.No.4 - DPR - 210 km - 2L, S.No.5 - DPR - 124 km - 2L, S.No.6 - DPR - 136 km - 2L, Total of above = 670 Km
	80 km-150km	17			
	>150km-250km	20			
	> 250km-300km	23			
	>300km-400km	26	26.00	26.00	
	Add 1 point for each additional 50 km subject to max 4 points		4.00	4.00	
(ii)	In Feasibility of 2/4/6 laning works or DPR of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways in Similar Capacity- Number of Projects in hill roads (Minimum length 20km)	10			
	< 1 project	0			S.No.9 - DPR - 45.3 km Hill Roads -4L, S.No.12 - DPR - 15 km Hill Roads - 4L
	1 project	4			
	2- 3 projects	6		6.00	
	4-6 projects	8			
	More than 6 projects	10	10.00		
III	Employment with Firm	5			
	Less than 1 Year	0			> 12 years; Since 10/2012 to till date
	1 year	2	2.00	5.00	
	Add 0.5 marks for each subsequent year subject to maximum of 3marks		3.00		
	Total	100	100.00	96.00	

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2.4.2 HIGHWAY DESIGN CUM PAVEMENT ENGINEER		Mr. Vinod Kumar Sharma (29.09.1960 - 64 years)				
S.No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References
I	Qualification		25			
	Full Time Graduation In Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks	10		10.00	10	BE Civil Engineering from University of Jodhpur in 1981.
	Full Time/Regular Post-Graduation in Transportation/Highway Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 7.50 marks	15		15.00	15	M.Tech in Transportation from Malviya National Institute of Technology, Jaipur in 2009
	Part Time Post-Graduation in Transportation / Highway Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* give full marks For other AICTE approved colleges give 50% marks i.e. 5 marks	10				
II	Relevant Experience & Adequacy for the Project		70			
b)	Experience in Design / Pavement Design of Highway Projects (2/4/6 laning of NH/SH/Expressways)		20			
	<6 years	0				
	6-10 years	10				S.No.2 - 1982 to 2008 (26 years)
	>10-15 years	15				S.No.7 - 2008 to 2015 (7 Years)
	> 15 years	20		20.00	20	S.No.17 From 07/2015 to 09/2020(5 years)
c)	Experience in Similar Capacity		50			
ii)	In Design/ Pavement Design of Highway Projects (2/4/6 laning of NH/SH/Expressways) in Similar Capacity (Minimum aggregate length 120 km)		30			
	<120 years	0				
	120km-200km	10				
	>200km-300km	12.5				
	>300km-400km	15				
	>400km-500km	17.5				
	>500km-600km	20			20	
	>600-700km	22.5				
	>700-800km	25		30.00		
	Add 2.5 marks for each additional 100 km length subject to max 5 additional marks					
iii)	In Design/ Pavement Design of Highway Projects (2/4/6 laning of NH/SH/Expressways) in Similar Capacity - Number of Projects (Minimum length 25km)		20			
	2 projects	8				
	3- 5 projects	10			10	
	> 5-8 projects	12.5				
	>8 - 10 projects	15				
	>10-15 projects	20		20.00		
iii)	Employment with Firm		5			
	Less than 1 Year	0				
	1 year	2				
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks					
	Total		100	95.00	75.00	

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2.4.3 SENIOR BRIDGE ENGINEER		Mr. Kunal Sougra (10.01.1982 - 42 Years)				
S.No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References
i	Qualification		30			
1	Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IIIT/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks		10	10	10	B.Tech Civil Engineering from Maulana Azad National Institute of Technology in 2005.
	Full Time/ Regular Post-Graduation in Structural/Bridge Engineering. For PG from any IIT/NIT/IIIT/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks. For other AICTE approved colleges give 50% marks i.e. 10 marks		20	20		
	Part Time Post-Graduation in Structural/Bridge Engineering. For PG from any IIT/NIT/IIIT/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks. For other AICTE approved colleges give 50% marks i.e. 6 marks		12		12	M.E in Structural Engineering in 2021 from National Institute of Technical Teachers Training & Research , Bhopal no reference for Part time or Full time mentioned in Certificate. However In SL.12 to 14 from Infracore portal shows the Personnel was working in LN. Malviya, hence it is considered as Part-Time.
ii	Relevant Experience & Adequacy for the Project		65			
b)	Experience in Bridge Projects					
i)	Experience in Design/Construction of bridge		15			
	<8 years	0				> 19 years 4 months;
	8-10 years	5				S.No.1 to 15
	>10-12 years	8				From 08/2005 to Till Date
	12-15 years	10		10	15	
	For each additional year add 1 marks subject to a maximum additional 5 marks			5		
ii)	Experience of 2/4 lane configuration bridges		15			
	<2 Projects	0				14 Project S.No.1 to 9 & 11 to 15
	2-4 Projects	3				
	5-7 projects	6				
	8-10 projects	9				
	11-13 projects	12		12	15	
	For each additional project add 0.5 marks subject to a maximum additional 3 marks			3		
c)	Experience as Senior Bridge Design Engineer or Similar Capacity in Highway Design Consultancy Projects (2/4/6 laning of NH/SH/Expressways) involving design of Major Bridges (minimum 2 nos. of length more than 100 m)		35			23 numbers S.No.5 - DPR - 4 S.No.11 - DPR - 15 S.No.13 - DPR - 2 S.No.15 - DPR - 2
	<2 numbers	0				
	2-4 numbers	10				
	5-6 numbers	15				
	7-8 numbers	20				
	9-10 numbers	25		25	35	
	For design of each additional project add 1 mark subject to a maximum additional 10 marks			10		
iii)	Employment with Firm		5			
	Less than 1 Year	0				> 10 years; Since 10/2014 to till date
	1 year	2		2	5	
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks			3		
Total			100	100	92	

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2.4.4 Traffic / Road Signage / Marking and Safety Expert			Mr. K.J.V Raman Rao (19.08.1968 - 56 years)			
S.No.	Description		Maximum Points	Self-Assessment	NHA Evaluation	References
I	Qualification		25			
1	Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks	10		10	5	BE Civil Engineering from SRKR Engineering College, Bhimavaram, Andhra University in 1990.
	Full Time/ Regular Post-Graduation in Traffic/ Transportation/ Safety Engineering or equivalent. Post-Graduation in Transportation planning will also be considered provided it is obtained after Graduation in Civil Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50% marks i.e. 7.50 marks	15		15	15	M.Tech in Transportation Regional Engineering College, Warangal from Kakatiya University in 1992.
	Part Time Post-Graduation in Traffic/ Transportation/ Safety Engineering or equivalent. Post-Graduation in Transportation planning will also be considered provided it is obtained after Graduation in Civil Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other AICTE approved colleges give 50% marks i.e. 5 marks	10				
II	Relevant Experience & Adequacy for the Project		70			
b)	Experience on Similar Projects (2/4/6 laning of NH/SH/ Expressways) In Similar Capacity		35			
	<5years	0				> 32 years; S.No.1 to 49, 51 to 64 From 10/1992 to Till Date
	5-8years	10				
	>8-10 years	15				
	>10-15years	20				
	>15-20 years	25				
	>20-25 years	30				
	>25 years	35		35	35	
c)	Experience as Traffic and Safety Expert / Traffic Engineer or in Similar Capacity in Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 120 km)		35			
	<120km	0				S.No.19 - 143 Km 2L S.No.20 - 240 Km 2L S.No.42 - 120 Km 2L S.No.43 - 190 Km 2L S.No.62 - 42 Km 4L Total of above = 735 Km
	120km-200km	10				
	>200km -300km	15				
	>300km-400km	20				
	>400km-500km	25				
	>500km-600km	30				
	>600km	35		35	35	
III	Employment with Firm		5			
	Less than 1 Year	0				
	1 year	2				
	Add 0.5 marks for each subsequent year subject to maximum of 3marks					
	Total		100	95	90	

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2.4.5 MATERIAL ENGINEER cum GEOTECHNICAL ENGINEER cum GEOLOGIST			Mr. Rakesh Trivedi (26.07,1962 - 62 years)					
S.No.	Description			Maximum Points	Self-Assessment	NHAI Evaluation	References	
I	Qualification			25				
1	Full Time Graduation in Civil Engineering or Equivalent or M.Sc. in Geology from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks.		10		10	10	BE Civil Engineering from S.A.T.I Vidisha (M. P.) , Bhopal University in 1998.	
	Full Time/ Regular Post-Graduation In Foundation Engineering / Soil Mechanics / Geo Tech Engineering or Phd in Geology. For PG/Doctorate from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50%marks i.e. 7.50 marks		15					
	Part Time Post-Graduation in Foundation Engineering/ Soil Mechanics/ Geo Tech Engineering or Phd in Geology. For PG/Doctorate from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50%marks i.e. 5 marks		10					
II	Relevant Experience & Adequacy for the Project			70				
a)	Total Professional Experience			15				
	<10 years	0					> 36 years; S.No.1 to 15 From 01/1988 to Till Date	
	10-12 years	11						
	>12-15 years	13						
	>15 years	15		15	15			
b)	Experience in Highway Projects-In Similar Projects (2/4/6 laning of NH/SH/Expressways) in design and or Construction/ Construction Supervision			20				
	<7 years	0					> 13 years; S.No.4,6,8,9	
	7-10 years	15						
	>10 -12 years	17.50						
	>12 years	20		20	20			
c)	Experience as Material cum Geo-technical Engineer or in Similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 120 km)			20				
	<120km	0					S.No.4 - 80 Km 4L S.No.6 - 42 Km 4L S.No.8 - 136 Km 4L S.No.9 - 63.8 Km 4L Total = 321.8 Km	
	120km-200km	15						
	>200km – 300km	17.50						
	>300km	20		20	20			
d)	Experience in Similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) in DPR preparation of slope protection measures and land slide management in hill roads (Traditional protection works such as Retaining wall, breast wall, gabion wall shall not be considered) Please mention the slope protection works and land slide management measures used in each project			15				
	<1 Projects	0					2 Projects S.No.13 and 14,	
	1-2 Projects	10				10		
	> 2 projects	15		15				
III	Employment with Firm			5				
	Less than 1 Year	0					> 2 years 9 months : Since 03/2022 to till date	
	1 year	2		2	2			
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks				3			
	Total			100	85	77		

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2.4.6 SENIOR SURVEY ENGINEER		Mr. Praveen Asati (09.03.1974 - 50 years)					
S.No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References	
I	Qualification		25				
1	For Full Time Diploma in Civil Engg or Diploma in Surveying or equivalent from any Central/State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other govt. approved colleges give 75% marks i.e. 13.5 marks.	18					
	Full Time/Part Time Graduation in Civil Engineering from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 75% marks i.e. 18.75 marks.	25		25	18.75	BE Civil Engineering from MB Patel Institute of Engineering and Technology, Gondia, Nagpur University in 2003.	
II	Relevant Experience & Adequacy for the Project		70				
a)	Total Professional Experience		15				
	<10 years	0				> 20 years;	
	10-12 years	11				S.No.1 to 7	
	>12-15 years	13				From 01/2004 to Till Date	
	>15 years	15		15	15		
b)	Experience in Highway Projects		25				
i)	Experience in Similar Projects (2/4/6 laning of NH / SH / Expressways) in project preparation/ Construction / Construction Supervision		20				
	<8years	0				> 14 years;	
	8 -10 years	15				S.No.2 to 6	
	>10-12 years	17					
	>12 years	20		20	20		
ii)	Knowledge and understanding of modern Computer based method of Surveying such as LIDAR Survey (ground or aerial), remote sensing, GIS mapping etc. Certification from an accredited institute to be submitted for validation		5				
	Yes	5		5			
	No	0			0	Certificate Not uploaded in Infracon	
c)	Experience as Survey Engineer or in Similar Capacity for project preparation of highway project (2/4/6 laning of NH/SH/Expressways) (Minimum Aggregate Length of to 120km)		30				
	<120km	0				S.No.2 - 51.9 Km 4L	
	120km-200km	10				S.No.3 - 206 Km 2L	
	>200km-300km	15				S.No.4 - 181 Km 4L	
	>300km-400km	20				S.No.5 - 92.42 Km 4L	
	>400km-500km	25				S.No.6 - 23.82 Km 2L	
	>500km	30		30	30	Total of above = 555.14 Km	
III	Employment with Firm		5				
	less than 1 year	0					
	1year	2		2	2	1 year 10 Months 01.02.2019 - 19.12.2020 Infracon it shows last employed with LN Malviya. Upon verification with the Work certificate, it shows he has been relieved on 19.12.2020	
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks			3			
Total			100	100	85.75		

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2.4.7 ENVIRONMENTAL SPECIALIST			Mr. Jayraj Slush (07.09.1975 - 49 years)					
S.No.	Description		Maximum Points	Self-Assessment	NHA Evaluation	References		
I	Qualification		25					
1	Full Time Graduation Graduate In Civil Engineering / Environment Engineering / Masters in Environment Science from any IIT/NIT/IIIT/SC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks.		10	10	10	Bachelor of Science from Mahatma Gandhi Chitrakoot Gramoday Vishwavidyalaya University, Madhya Pradesh in 1997		
	Full Time/Regular Post-Graduation or Doctorate In Environmental Engineering/Environment Management or equivalent. For PG from any IIT/NIT/IIIT/SC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50% marks i.e. 7.5 marks		15	15	15	Master of Environmental Science from Mahatma Gandhi Chitrakoot Gramoday Vishwavidyalaya University, Madhya Pradesh in 2000		
	Part-Time Post-Graduation or Doctorate In Environmental Engineering/Environment Management or equivalent. For PG from any IIT/NIT/IIIT/SC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50% marks i.e. 5 marks		10					
II	Relevant Experience & Adequacy for the Project		70					
a)	Total Professional Experience		15					
	<5 years	0						
	6-8 years	11						
	>8-10 years	13						
	>10 years	15		15				
b)	Experience In Highway Projects - Experience In Environment impact assessment of Highway Projects (2/4/6 laning of NH /SH / Expressways)		25					
	<5 years	0						
	5-7 years	19				> 19 years;		
	>7-10 years	22				S.No.1 to 15		
	>10 years	25		25	25	From 01/2001 to Till Date		
c)	Experience as Environmental Specialist or in Similar Capacity in Highway Projects ((2/4/6 laning of NH/SH/Expressways)		15					
	<2 projects	0						
	2-4 projects	12				15 Projects		
	5-7 projects	14				S.No 1 to 15		
	>7 projects	15		15	15			
d)	Experience as Environmental Specialist or in Similar Capacity in Highway Projects (2/4/6 laning of NH/SH/Expressways)		15					
	<5 years	0						
	5-7 years	12				> 19 years;		
	>7-10 years	14				S.No.1 to 15		
	>10 years	15		15	15			
III	Employment with Firm		5					
	Less than 1 Year	0						
	1 year	2		2	2.5	> 2 years 11 months ; Since 01/2022 to till date		
	Add 0.5 marks for each subsequent year subject to maximum of 3marks			3				
	Total		100	100	82.5			

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2.4.9 QUANTITY SURVEYOR/ DOCUMENTATION EXPERT			Mrs. Suman Burua (11.06.1976 - 48 years)					
S.No.	Description			Maximum Points	Self-Assessment	NHAI Evaluation	References	
I	Desirable Qualification			25				
i)	Full Time Graduation in Civil Engineering. For Graduation from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50%marks i.e. 7.50 marks		15		15	15	B.E Civil from Jiwaji University in 1995.	
ii)	Full Time Post-Graduate Degree or Diploma in Quantity Surveying [AICTE/UGC Approved]		10					
II	Relevant Experience & Adequacy for the Project			70				
a)	Total Professional Experience			15				
	<10 years	0					> 29 Years S.No 1 to 29 since 08/1995	
	10-12 years	11						
	>12-15 years	13						
	>15 years	15			15	15		
b)	Experience in Highway Projects- Experience in preparation of Bill of Quantities, Contract documents and documentation for major highway projects (2/4/6 laning of NH/SH/Expressways) in Assistant Quantity Surveyor capacity or Higher Designation			25				
	<8 years	0					17 years 9 Months S.No 2,3,12,13,14,15,16,17,18,21,22,23,24,25, 26,27,28 & 29	
	8 -10 years	12.5						
	>10-12 years	15						
	>12-15 years	17.5						
	>15-18 years	20				20		
	>18-20 years	22.5						
	>20 years	25			25			
c)	Experience as Quantity Surveyor or in Similar Capacity in Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum Aggregate length of 120km) Consider full length experience in Quantity Surveyor or in similar capacity and consider 2/3 length experience in case of Assistant Quantity Surveyor or in similar capacity			30				
	<120km	0					S.No 26 430.12 Km 4L S.No 328.32 Km 2L	
	120km-200km	15						
	>200km – 300km	17.5						
	>300km-400km	20						
	>400km-500km	22.5						
	>500km-600km	25			25	30		
	>600km add 2.5 marks for each additional 100 km experience subject maximum 5 additional marks				5			
III	Employment with Firm			5				
	<1 Year	0					1 Year 6 Month Since 20/05/2023 till date	
	1 year	2			2	2		
	Add 0.5 marks for each subsequent year subject to maximum of 3marks				3			
	Total			100	90	82		

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2.4.9 LAND ACQUISITION EXPERT		Mohd Yunus Zargar (20.12.1960 - 64 years)				
S. No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References
I	General Qualification		25			
i)	Graduation or equivalent in any discipline	20		20	20	BA Honours from Aligarh Muslim University in 1990
ii)	Post Graduation in law	5				
II	Relevant Experience & Adequacy for the Project		70			
a)	Total Professional Experience		15			
	<15 years	0				> 37 years; S.No.1 to 15
	15-17 years	11				
	>17-20 years	13				
	>20 years	15		15	15	
b)	Experience in Land Acquisition works of Government/ Authority		20			
	<10 years	0				> 37 years; S.No.1 to 15
	10 -12 years	15				
	>12-15 years	17				
	>15 years	20		20	20	
c)	Experience in Land Acquisition works in Highway/road sector		25			
	NII project	0				5 Projects S.No.6 to 10
	1 project	19				
	2 projects	22				
	3 projects	25		25	25	
d)	Retired Revenue officer at the level of ADM/SDM / Tehsildar		10	10	10	Pension Payment Order Attached in Infracon at Company Details
III	Employment with Firm		5			
	Less than 1 Year	0				
	1 year	2				
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks					
	Total:		100	90	90	

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2.4.10	UTILITY EXPERT	Mr. Arpit kulshrchth (20.03.1984 - 40 years)					
S. No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References	
I	General Qualification		25				
	Full Time Graduation in Electrical Engineering. For Graduation from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50%marks i.e. 12.50 marks			25	25	Bachelor Degree in Electrical & Electronics Engineering from Rajiv Gandhi Proudyogik Vishwavidyalaya, Bhopal University in 2006.	
II	Relevant Experience & Adequacy for the Project		70				
a)	Total Professional Experience		15				
	<10 years	0				> 18 years; S.No.1 to 10	
	10-15 years	11					
	>15-20 years	13			13		
	>20 years	15		15			
b)	Experience in Utility estimation and its laying/ erection		30				
	<8 years	0				> 15 years; S.No.2 to 10	
	8-10 years	15					
	>10-15years	17.5					
	>15-20years	22.5			22.5		
	>20-25 years	27.5					
	>25 years	30		30			
c)	Experience in Utility shifting estimation and its laying/ erection along Highway/ roads		25				
	Nil project	0				6 Projects S.No.2,3,5,7,8 & 9	
	1-3 project	15					
	4-6projects	20					
	>6 projects	25		25	25		
II	Employment with Firm		5				
	Less than 1 Year	0				> 15 years	
	1 year	2		2	2		
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks			3	3		
	Total		100	100	90.5		

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2. M/s K&J Projects Private Limited in association with SEG Engineering Services Private Limited, Maharashtra

2. Second Stage Evaluation -Technical Evaluation (Para 12.2 of Data Sheet)

A) Firm's Relevant Experience (40)

A1) Firm's Profile, turn over and professionals working with the firm (10)

For standard highways, the following is the break-up:

S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
1	Nos. of Key Professionals with the firm for more than 1 years*	5			
1.1	<10	0.00		0	No minimum availability of Key Personnel with firm, (Pg 170)
1.2	>10 but ≤25	1.50			
1.3	>25 but ≤40	2.50			
1.4	>40 but ≤60	3.50	3.50		Sr. Highway Design Engineer - 1 No. & Sr. Bridge Design Engineer - Nil
1.5	>60	5.00			

Note*The key 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. These Key Personnel should be inclusive of at least 3 Sr Highway Design Engineer, 2 Senior Pavement/material Specialist, 2 Senior Bridge design Engineer, 2 geotechnical Engineer and 2 Traffic/Road Safety Expert on employee roll at Head Office or Site Office of the Consultant to be eligible for marks in this criteria.

2	Specific experience of firms in terms of turnover in last five (5) Financial Years	5			
2.1	Firm's Average Turnover of last 5 years >250 crore	5.00			
2.2	Firm Average Turnover of last 5 years 50 - 250 crore	4.00			Rs 48.22 from Infracon for year 2019-20 to 2023-24.
2.3	Firm Average Turnover of last 5 years >5 but < 50 crore	3.50	3.50	3.5	
	Total	10	7.00	3.5	

A2. Firm's relevant experience in last 7 years for DPR work (30)

For standard highways, the following is the break-up:

S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
1	Specific experience of the DPR consultancy related to the assignment for eligibility in last 7 Financial Years	30			
1.1	Aggregate Length of DPR / Feasibility study of 2/4/ 6 lane NH/SH/Expressway projects	10			
1.1.1	More than the indicative Length of the package applied for (From 48,880 Km to 97,758 Km)	3.50	48,879		
1.1.2	More than 2 times the indicative length of the package applied for (From 97,759 Km to 146,637 Km)	4.50	97,758		
1.1.3	More than 3 times the indicative length of the package applied for (From 146,638 Km to 195,516 Km)	5.00	146,637		
1.1.4	More than 4 times the indicative length of the package applied for (From 195,517 Km to 244,395 Km)	6.50	195,516		S.No.76 413,093 Km - 4L
1.1.5	More than 5 times the indicative length of the package applied for (From 244,396 Km to 293,274 Km)	8.50	244,395		
1.1.6	More than 6 times the indicative length of the package applied for (More than 293,275 Km)	10.00	293,274	10	10
1.2	DPR for 2/4/6 laning NH/SH/Expressway projects each equal to or more than 40% of indicative length (19,552 Km) of a package applied for (or Feasibility Study for 2/4/6 laning NH/SH/Expressway projects each equal to or more than 60% of indicative length (29,327 Km) of a package applied for)	15			
1.2.1	1 project	7.50			
1.2.2	2 projects	9.00			
1.2.3	≥ 3 projects	11.00			
1.2.4	4 projects	12.50			S.No 93,95,70,69,68
1.2.5	≥5 projects	15.00	15	15	
2	DPR of Major Bridges/ROBs/ Viaducts having length more than 1000 m (excluding approaches)	5			
2.1	2 bridge	3.50			
2.2	3 bridges	4.00			S No 70 - 1 Bridge
2.3	4 bridges	4.50			S No 43 - 1 Bridge
2.4	≥ 5 bridges	5.00	5	5	S No 93 - 3 Bridge
	Total	30	30	30	

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No.	Status of the firm in carrying out DPR/ Feasibility Study	Weightage for experience			
1	Sole firm	100%			
2	Lead partner in a JV	75%			
3	Other partner in a JV	50%			
4	As Associate	25%			

(ii) The experience of a firm in preparation of DPR for a private Concessionaire/contractor shall not be considered.

B) Material testing, survey and investigation, equipment and software proposed to be used {5}

S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
1	Availability of Material Testing Facilities with persons/resources having operational skills of the equipment(as per details given below the table)	0.75			
1.1	Owned* (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	0.75	0.75		
1.2	Not available	0		0	Not Available in Infracon
* Shall be ascertained through the ownership evidence uploaded on INFRACON in regard to major equipments required for testing of materials to be used for construction of Highway Project.					
2	Availability of minimum Field Investigation Facilities with persons/resources having operational skills of the equipment(as per details given below the table)	0.50			
2.1	Owned** (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	0.50	0.50		
2.2	Not available	0		0	Not Available in Infracon
** Shall be ascertained through ownership evidence uploaded on INFRACON for construction of Highway Project.					
3	Availability of minimum Office Equipment and Software with persons/resources having operational skills of the equipment(as per details given below the table)	0.75			
3.1	Owned*** (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	0.75	0.75		
3.2	Not available	0		0	Not Available in Infracon
*** Shall be ascertained through ownership evidence uploaded on INFRACON for key hardware/software required for Highway consultancy assignment.					
4	Experience In UDAR or better technology for topographic survey (Infrastructure sector)in last 7 Financial Years	1.25			
4.1	1 project	0.25			
4.2	2 projects	0.50			
4.3	3 projects	0.75			
4.4	4 projects	1.00			
4.5	≥ 5 projects	1.25	1.25	1.25	S.No 40,60,63,66,72
5	Experience In using GPR and Induction Locator or better technologies for detection of sub-surface utilities (Infrastructure sector) in last 7 Financial Years	1			
5.1	1 project	0.25			
5.2	2 projects	0.50			
5.3	3 projects	0.75			
5.4	≥ 4 projects	1.00	1.00	1.00	S.No 72,40,66,60
6	Experience In digitization of cadastral maps for land surveys in last 7 Financial Years	0.75			
6.1	Area upto 100 ha	0.25			
6.2	Area between 100-500 ha	0.50			
6.3	Area > 500 ha	0.75	0.75	0.75	S.No 48 515 92Ha
Total		5.00	5.00	3	

List of minimum essential equipment which the firm must possess for securing marks in respective categories:

Material Testing Facilities (All should be available to be eligible for full marks)

a) Aggregate testing facility including flakiness index, elongation index, abrasion, impact, crushing, stripping value, unconfined compressive strength, setting time

b) Soil testing facility including Atterberg limits, soil classifications, moisture content, density, CBR value

Field Investigation Facilities (All should be available to be eligible for full marks)

a) Falling weight Deflectometer or equivalent / better

b) Laser profilometer or equivalent / better

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c) DGPS and Total station with appropriate software or equivalent / better					
Office Equipment and Software (All should be available to be eligible for full marks)					
a) Office equipment setup including Computer, plotter, A0 printer etc.					
b) MX/ MOSS or equivalent / better software for road design					
c) AutoCAD					
d) STAAD or equivalent / better					
Note: The experience of firm in Lidar or equivalent technology, GPR and Induction Locator or equivalent technologies and Experience in digitization of cadastral maps for land acquisition shall be supported by experience certificate. The experience of a firm in Lidar or equivalent technology, GPR and Induction Locator or equivalent technologies and Experience in digitization of cadastral maps for land acquisition for a private concessionaire/contractor shall be considered only if the experience certificate is authenticated by the concerned competent Government department/authority. In case of overseas experience the weightage to be assigned to the certificate for experience in use of the equipment, a self-certificate followed by the client certificate with Apostille Certificate may be accepted.					
B2: Experience in use of technology (5)					
S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
1	Experience of Aerial LIDAR or equivalent technology for topographic survey (Infrastructure sector) with persons/resources having operational skills of the equipment with the firm Experience through owned or outsourced equipment supported by MOU / lease Agreement	1.5			
(A)	1 project	0.5			
(B)	2 projects	1			S.No 40,60 & 63
(C)	>2 projects	1.5	1.50	1.5	
2	Experience of using Geo Physical Survey Equipment (Seismic Reflection / Seismic Refraction / Electrical Resistivity / AEM etc.) for subsurface investigation with the firm through owned or outsourced equipment supported by MOU / lease Agreement	1			
(i)	1 Project	0.5	0.00	0	
(ii)	>1 Projects	1			
3	Experience of use of advanced structural health monitoring systems which consists of accelerometers, Sensors, inclinometers, anemometer, Load measuring pin etc. with software to analyse the data and infer the structural health and residual life. The experience can be through owned or outsourced equipment & software supported by MOU / lease Agreement.	1.5			
(i)	1-2 Major Bridges	0.5	0.00	0	
(ii)	3-5 Major Bridges	1			
(iii)	>5 Major Bridges	1.5			
4	Availability and experience in Processing of satellite imagery for the creation of Digital Elevation Model (DEM) and Digital Terrain Model (DTM) with the firm through owned or outsourced equipment supported by MOU / lease Agreement	1			
(i)	1 Project	0.5	0.00	0	
(ii)	>1 Projects	1			
Total		5	1.50	1.5	
Total Firm Score		50.00	43.50	38.00	
* Ownership Shall be ascertained through the ownership evidence. Notes: (i) The Consultants owning the equipment shall be required to submit proof of ownership. (ii) The experience of firm/associate in use of technology shall be supported by experience certificate. The experience of a firm/associate for a private concessionaire/ contractor (client) shall be considered on self-certification along with the client certificate of Government agencies not below the rank of EE/PD/GM or equivalent officer. In case of overseas experience the weightage to be assigned to the certificate for experience in use of the equipment, a self-certificate followed by the client certificate with Apostille Certificate may be accepted. Any false certification shall attract provisions of Clause 3.2.3 x), Section -2 (letter of Invitation) read with Clause 2.9.1(d) of GCC. C. In case, ownership document of equipment Consultancy/Associate firm is found to be false, (i) The consultancy/Associate firm, as the case may be, shall be put on holiday listing (temporary debarment) for a period of 12 months.					

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2.4. Qualification and Competence of the Key Staff for adequacy of the Assignment. (Para 12.2 of Data Sheet and Enclosure II of TOR)					
2.4.1 TEAM LEADER cum SENIOR HIGHWAY ENGINEER		Mr. Nagpal Jagatram Kotangele (08.10.1976 - 48 Years)			
S. No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References
i	Qualification	25			
1	Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks	10	10.00	10.00	BE Civil Engineering from YCCE, Nagpur University in 1998.
	Full Time/Regular Post-Graduation in Construction Management/ Transportation/Highway Engineering For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 7.50 marks	15	15.00	15.00	M.Tech in Transportation Engineering from Indian Institute of Technology Kharagpur in 2001.
	Part Time Post-Graduation in Construction Management/ Transportation/ Highway Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks	10			
ii	Relevant Experience & Adequacy for the Project	70			
a)	Total Professional Experience	15			
	<15 years	0			
	15-18 years	11			> 23 years;
	>18-21 years	13			S.No.1 to 38
	> 21 years	15	15.00	15.00	From 02/2001 to Till Date
b)	Experience in Highway Projects- Experience In Planning, project preparation and design of Highway Projects or Construction Supervision of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways (2/4/6 laning of NH/SH/Expressways)	15			
	<12 years	0			
	12-15 years	10			> 20 years;
	>15-18 years	12.5			S.No 1 to 22,24,25,30,33-36 & 38
	>18 years	15	15.00	15.00	
c)	Experience in Similar Capacity	40			
(i)	In Feasibility of 2/4/6 laning works or DPR/ of major highway In Feasibility of 2/4/6 laning works or DPR/ of major highway	30			
	< 80km	0			
	80 km-150km	17			
	>150km-250km	20			S.No.19 - DPR - 136 km - 6L,
	> 250km-300km	23			S.No.20- DPR - 225 km - 4L,
	>300km-400km	26	26.00	26.00	S.No.30 - DPR - 150 km - 4L,
	Add 1 point for each additional 50 km subject to max 4 points		4.00	4.00	S.No 38- DPR - 208.28 km - 4L, Total of above = 669.25 Km
(ii)	In Feasibility of 2/4/6 laning works or DPR of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways in Similar Capacity- Number of Projects in hill roads (Minimum length 20km)	10			
	< 1 project	0		0	
	1 project	4			
	2-3 projects	6			
	4-6 projects	8			
	More than 6 projects	10	10.00		No DPR for 2L/4L/6L involving Hill Roads.
iii	Employment with Firm	5			
	Less than 1 Year	0			
	1 year	2	2.00	5.00	
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks		3.00		> 5 years; Since 11/2017 to till date
Total		100	100.00	90.00	

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2.4.2 HIGHWAY DESIGN CUM PAVEMENT ENGINEER			Mr. M.Venkateswara Rao (20.07.1979 - 45 years)					
S.No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References		
I	Qualification		25					
1	Full Time Graduation In Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks	10		10.00	10	B.Tech. (Civil), 2001 from Sri Venkateswara University		
	Full Time/Regular Post-Graduation in Transportation/Highway Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e 7.50 marks]	15		15.00	15	M.Tech. (Transportation Engg.) in 2003 from National Institute of Technology, Warangal		
	Part Time Post-Graduation in Transportation / Highway Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* give full marks For other AICTE approved colleges give 50% marks i.e. 5 marks	10						
II	Relevant Experience & Adequacy for the Project		70					
b)	Experience In Design / Pavement Design of Highway Projects (2/4/6 laning of NH/SH/Expressways)		20					
	<6 years	0				15 Years 10 months		
	6-10 years	10				S.No.1,5,6,10,11,15,16-20. 1. 23/09/2003 - 31/12/2003 (3 months)		
	>10-15 years	15				2. 01/09/2007 - 30/11/2011 (4 years 2 months)		
	> 15 years	20		20.00	20	3. 01/12/2011 - 31/12/2012 (1 year) 4. 01/03/2013 - 31/08/2013 (6 months) 5. 19/12/2015 - 08/12/2017 (1 year 11 months) 6. 09/12/2017 - 16/12/2024 (7 years)		
c)	Experience In Similar Capacity		50					
i)	In Design/ Pavement Design of Highway Projects (2/4/6 laning of NH/SH/Expressways) In Similar Capacity (Minimum aggregate length 120 km]		30					
	<120 years	0				S.No.5 DPR - 4000 Km 2L		
	120km-200km	10						
	>200km-300km	12.5						
	>300km-400km	15						
	>400km-500km	17.5						
	>500km-600km	20						
	>600-700km	22.5						
	>700-800km	25		25.00	25.00			
	Add 2.5 marks for each additional 100 km length subject to max 5 additional marks			5.00	5.00			
ii)	In Design/ Pavement Design of Highway Projects (2/4/6 laning of NH/SH/Expressways) In Similar Capacity – Number of Projects (Minimum length 25km)		20					
	2 projects	8				12 Projects S.No.1,5,6,10,11,12,15,16,17,18,19,20		
	3- 5 projects	10						
	> 5-8 projects	12.5						
	>8 – 10 projects	15						
	>10-15 projects	20		20.00	20			
iii)	Employment with Firm		5					
	Less than 1 Year	0				Since 09-12-2017, the end date not mentioned. However the Consultant has claimed 4.5 marks stating that it is greater than 6 years.		
	1 year	2		2.00	2.00			
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks			2.50	2.50			
Total			100	99.50	99.50			

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2.4.3 SENIOR BRIDGE ENGINEER			Mr. Amarendra Jalare (03.11.1971 - 53 Years)					
S.No.	Description		Maximum Points	Self-Assessment	NHAJ Evaluation	References		
I	Qualification		30					
1	Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks		10		10	0	BE - Civil Engineering - Part Time from Nagpur University in 1994.	
	Full Time/ Regular Post-Graduation in Structural/Bridge Engineering. For PG from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks. For other AICTE approved colleges give 50% marks i.e. 10 marks		20		20		As per Clause 3.2.4 (ii) of TOR of RFP, the Key Personnel CV has not satisfied the Minimum Educational Qualification, Zero marks has been assigned and this CV has not been evaluated further.	
	Part Time Post-Graduation in Structural/Bridge Engineering. For PG from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks. For other AICTE approved colleges give 50% marks i.e. 6 marks		12					
II	Relevant Experience & Adequacy for the Project		65					
b)	Experience in Bridge Projects							
I)	Experience in Design/Construction of bridge		15					
	<8 years	0						
	8-10 years	5						
	>10-12 years	8						
	12-15 years	10		15				
	For each additional year add 1 marks subject to a maximum additional 5 marks							
ii)	Experience of 2/4 lane configuration bridges		15					
	<2 Projects	0						
	2-4 Projects	3						
	5-7 projects	6						
	8-10 projects	9						
	11-13 projects	12		15				
	For each additional project add 0.5 marks subject to a maximum additional 3 marks							
c)	Experience as Senior Bridge Design Engineer or Similar Capacity in Highway Design Consultancy Projects (2/4/6 laning of NH/SH/Expressways) involving design of Major Bridges (minimum 2 nos. of length more than 100 m)		35					
	<2 numbers	0						
	2-4 numbers	10						
	5-6 numbers	15						
	7-8 numbers	20						
	9-10 numbers	25		35				
	For design of each additional project add 1 mark subject to a maximum additional 10 marks							
III	Employment with Firm		5					
	Less than 1 Year	0						
	1 year	2						
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks							
	Total		100	95	0			

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2.4.4 Traffic / Road Signage / Marking and Safety Expert			Mr. Pravin Udhaorao Bende (03.01.1978 - 46 years)				
S.No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References	
I	Qualification		25				
1	Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks	10		10	10	BE Civil Engineering from Nagpur University in 1999.	
	Full Time/ Regular Post-Graduation in Traffic/ Transportation/ Safety Engineering or equivalent. Post-Graduation In Transportation planning will also be considered provided it is obtained after Graduation in Civil Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50% marks i.e. 7.50 marks	15		15	15	M.Tech In Transportation from GH Raison University in 2023. A review of the experience certificate from K&J reveals that the candidate was employed there until November 29, 2022. Furthermore, the enclosed M.Tech certificate, which includes the fourth-semester results, confirms that the program is a two-year course. hence Experience from December-2021 - December 2023 will not be considered.	
	Part Time Post-Graduation in Traffic/ Transportation/ Safety Engineering or equivalent. Post-Graduation In Transportation planning will also be considered provided it is obtained after Graduation in Civil Engineering. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other AICTE approved colleges give 50% marks i.e. 5 marks	10					
II	Relevant Experience & Adequacy for the Project		70				
b)	Experience on Similar Projects (2/4/6 laning of NH/SH/ Expressways) in Similar Capacity		35				
	<5years	0					
	5-8years	10				> 19 years; S.No.4 to 9, S.No 12,14,15,20-23,25-26 01/06/2005 - 31/03/2006 (9 months 30 days) 01/06/2006-28/02/2007 (8 months 27 days) 01/03/2007 - 31/03/2010 (3 years 1 month) 01/01/2010 - 31/01/2013 (3 years 1 month) 01/04/2011 - 30/04/2014 (3 years 1 month) 01/09/2011 - 31/03/2015 (3 years 6 months 28 days) 03/08/2015 - 05/04/2018 (2 years 8 months 2 days) 02/05/2016 - 30/04/2019 (2 years 11 months 28 days) 25/07/2019 - 29/11/2019 (4 months 4 days)	
	>8-10 years	15					
	>10-15years	20					
	>15-20 years	25		25	25		
	>20-25 years	30					
	>25 years	35					
c)	Experience as Traffic and Safety Expert / Traffic Engineer or in Similar Capacity in Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 120 km)		35				
	<120km	0				S.No.4 - 152 Km 2L	
	120km-200km	10				S.No.5 - 45.85 Km 4L	
	>200km -300km	15				S.No.6 - 72 Km 2L	
	>300km-400km	20				S.No.7 - 30.11 Km 4L	
	>400km-500km	25				S.No.8 - 77.7 Km 4L	
	>500km-600km	30				S.No.9 - 77.41 Km 4L	
	>600km	35		35	35	S.No.10 - 63.80 Km 4L S.No.11 - 60 Km 5L S.No.12 - 144.463 Km 4L Total of above = 723 Km	
III	Employment with Firm		5				
	Less than 1 Year	0					
	1 year	2		5	5		
	Add 0.5 marks for each subsequent year subject to maximum of 3marks					Since 06/2005 till 12/2021 > 16 years	
	Total		100	90	90		

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2.4.5 MATERIAL ENGINEER cum GEOTECHNICAL ENGINEER cum GEOLOGIST			Mr. Harish Kalnithola (16.05.1962 - 62 years)						
S.No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References			
I	Qualification		25						
1	Full Time Graduation in Civil Engineering or Equivalent or M.Sc. In Geology from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks.	10		10	10	BSC Geology from University of Garhwal, Srinagar (Garhwal) in 1983. MSc. In Geology University of Garhwal, in 1985			
	Full Time/ Regular Post-Graduation in Foundation Engineering / Soil Mechanics / Geo Tech Engineering or Phd in Geology. For PG/Doctorate from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50%marks i.e. 7.50 marks	15		15	0.00	No Post-Graduation in Foundation Engineering / Soil Mechanics / Geo Tech Engineering or Phd in Geology.			
	Part Time Post-Graduation in Foundation Engineering/ Soil Mechanics/ Geo Tech Engineering or Phd in Geology. For PG/Doctorate from any IIT/NIT/ISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50%marks i.e. 5 marks	10							
II	Relevant Experience & Adequacy for the Project		70						
a)	Total Professional Experience		15						
	<10 years	0				Since 04.05.1992 > 32 Years S.No 1 to 101			
	10-12 years	11							
	>12-15 years	13							
	>15 years	15		15	15				
b)	Experience in Highway Projects-In Similar Projects (2/4/6 laning of NH/SH/Expressways) in design and or Construction/ Construction Supervision		20						
	<7 years	0				9 Years 9 months S.No 26, 31, 50, 52,53, 71, 72, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 95, 96, 97 & 98. Total Experience only in Highway projects has been considered 1. 03/12/2007 - 28/11/2008 = 1 year 0 months 2. 08/12/2008 - 31/12/2009 = 1 year 0 months 3. 31/10/2012 - 22/08/2013 = 0 years 9 months 4. 02/09/2013 - 26/08/2014 = 0 years 11 months 5. 05/09/2016 - 29/11/2016 = 0 years 2 months 6. 19/09/2016 - 12/12/2016 = 0 years 2 months 7. 22/11/2017 - 04/07/2019 = 1 year 7 months 8. 13/03/2018 - 04/11/2019 = 1 year 7 months 9. 28/04/2018 - 21/11/2019 = 1 year 6 months 10. 01/05/2020 - 30/09/2020 = 0 years 4 months 11. 01/12/2020 - 28/02/2021 = 0 years 2 months 12. 01/09/2022 - 30/11/2022 = 0 years 2 months 13. 01/12/2022 - 31/05/2023 = 0 years 5 months			
	7-10 years	15			15				
	>10 -12 years	17.50							
	>12 years	20		20					
c)	Experience as Material cum Geo-technical Engineer or in Similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 120 km)		20						
	<120km	0				S.No.98 - 41.64 Km 2L S.No.96 - 40 Km 2L S.No.92 - 8.13 Km 2L S.No.90 - 18.3 Km 2L S.No.89 - 9.8 Km 2L S.No.88 - 30.82 Km 2L S.No.87 - 25 Km 2L S.No.84 - 38 Km 2L S.No.83 - 33 Km 2L S.No.52 - 26 Km 2L S.No.53 - 34 Km 2L Total of above = 304.69 Km			
	120km-200km	15							
	>200km – 300km	17.50							
	>300km	20		20	20				
d)	Experience in Similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) in DPR preparation of slope protection measures and land slide management in hill roads (Traditional protection works such as Retaining wall, breast wall, gabion wall shall not be considered) Please mention the slope protection works and land slide management measures used in each project		15						
	<1 Projects	0				3 Projects S.No 98,96, and 92.			
	1-2 Projects	10							
	> 2 projects	15		15	15				
III	Employment with Firm		5						
	Less than 1 Year	0							
	1 year	2							
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks								
	Total		100	95	75				

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2.4.6 SENIOR SURVEY ENGINEER		Mr. Dilip Kumar Singh (10.02.1979 - 45 years)				
S.No.	Description	Maximum Points	Self-Assessment	NHAI Evaluation	References	
I	Qualification	25				
1	For Full Time Diploma in Civil Engg or Diploma in Surveying or equivalent from any Central/State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other govt. approved colleges give 75% marks i.e. 13.5 marks.	18	18	20	Diploma in Civil Engineering from New Government Polytechnic, Palna, State Board of Technical Education, Bilhar,	
	Full Time/Part Time Graduation in Civil Engineering from any IIT/NIT/IISc/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 75% marks i.e. 18.75 marks.	25				
II	Relevant Experience & Adequacy for the Project	70				
a)	Total Professional Experience	15				
	<10 years	0			S.No 1 to 10 since 06/2004 20 years	
	10-12 years	11				
	>12-15 years	13				
	>15 years	15	15	15		
b)	Experience in Highway Projects	25				
i)	Experience in Similar Projects (2/4/6 Laning of NH / SH / Expressways) In project preparation/ Construction / Construction Supervision	20				
	<8 years	0			S.No 1 to 10 since 06/2004 20 years	
	8-10 years	15				
	>10-12 years	17				
	>12 years	20	20	20		
ii)	Knowledge and understanding of modern Computer based method of Surveying such as LIDAR Survey (ground or aerial), remote sensing, GIS mapping etc. Certification from an accredited institute to be submitted for validation	5				
	Yes	5				
	No	0	0	0	No Certificate Attached	
c)	Experience as Survey Engineer or in Similar Capacity for project preparation of highway project (2/4/6 Laning of NH/SH/Expressways) (Minimum Aggregate Length of 120km)	30				
	<120km	0			DPR S.No.1 - 95 Km S.No.2 - 110 Km S.No.3 - 110 Km S.No.6 - 208.25 Total of above = 523.25 Km	
	120km-200km	10				
	>200km-300km	15				
	>300km-400km	20				
	>400km-500km	25				
	>500km	30	30	30		
III	Employment with Firm	5				
	Less than 1 year	0				
	1 year	2				
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks					
	Total	100	93	93		

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1.4.7 ENVIRONMENTAL SPECIALIST			Mr. Veligatla Ramalingeswara Rao (06.01.1965 - 59 years)					
S.No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References		
I	Qualification		25					
1	Full Time Graduation Graduate in Civil Engineering / Environment Engineering / Masters in Environment Science from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* For other AICTE approved colleges give 50% marks i.e. 5 marks	10		10	10	B.Tech in Civil from Jawaharlal Nehru Technological University,Hyderabad in 2006.		
	Full Time/Regular Post-Graduation or Doctorate in Environmental Engineering/Environment Management or equivalent. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50% marks i.e. 7.5 marks	15		15				
	Part-Time Post-Graduation or Doctorate in Environmental Engineering/Environment Management or equivalent. For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50% marks i.e. 5 marks	10			10	Part Time M.Tech in Environmental from Jawaharlal Nehru Technological University, Kakinada in 2013		
II	Relevant Experience & Adequacy for the Project		70					
a)	Total Professional Experience		15					
	<6 years	0				> 33 years; Sl. No 1 to 9 Since 03/1991		
	6-8 years	11						
	>8-10 years	13						
	>10 years	15		15	15			
b)	Experience in Highway Projects - Experience in Environment impact assessment of Highway Projects (2/4/6 laning of NH /SH / Expressways)		25					
	<5 years	0			0	3 years 4 Months Sl.No.7 Sl.No.9		
	5-7 years	19						
	>7-10 years	22						
	>10 years	25		25				
c)	Experience as Environmental Specialist or in Similar Capacity in Highway Projects ((2/4/6 laning of NH/SH/Expressways)		15					
	<2 projects	0				2 Projects , Only NH/SH Highway projects considered, Sl.No 7 & 9		
	2- 4 projects	12		12				
	5-7 projects	14						
	>7 projects	15						
d)	Experience as Environmental Specialist or in Similar Capacity in Highway Projects (2/4/6 laning of NH/SH/Expressways)		15					
	<5 years	0			0	3 years 4 Months Sl.No.7 Sl.No.9		
	5-7 years	12						
	>7-10 years	14						
	>10 years	15		15				
III	Employment with Firm		5					
	Less than 1 Year	0						
	1 year	2						
	Add 0.5 marks for each subsequent year subject to maximum of 3marks							
Total			100	92	35			

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2.4.8 QUANTITY SURVEYOR/ DOCUMENTATION EXPERT		Pallavi Rahul Hadole (12.07.1982 - 42 years)				
S.No.	Description		Maximum Points	Self-Assessment	NHA Evaluation	References
I	Desirable Qualification		25			
i)	Full Time Graduation in Civil Engineering. For Graduation from any IIT/NIT/USC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50%marks i.e. 7.50 marks	15		15	15	B,E Civil in Nagpur University in 2003
ii)	Full Time Post-Graduate Degree or Diploma in Quantity Surveying (AICTE/UGC Approved)	10		10	10	M.Tech in Structure from Babasaheb Ambedkar Nagpur University in 2019
B	Relevant Experience & Adequacy for the Project		70			
a)	Total Professional Experience		15			
	<10 years	0				S.No 1 to 38 since 09/2005 > 17 years
	10-12 years	11				
	>12-15 years	13				
	>15 years	15		15	15	
b)	Experience in Highway Projects- Experience in preparation of Bill of Quantities, Contract documents and documentation for major highway projects (2/4/6 laning of NH/SH/Expressways) in Assistant Quantity Surveyor capacity or Higher Designation		25			
	<8 years	0				S. No 6 to 38 01-10-2006 to 30-08-2011 01-01-2013 to 16-12-2024 16 Years 11 Months
	8-10 years	12.5				
	>10-12 years	15				
	>12-15 years	17.5				
	>15-18 years	20			20	
	>18-20 years	22.5		22.5		
	>20 years	25				
c)	Experience as Quantity Surveyor or in Similar Capacity in Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum Aggregate length of 120km) Consider full length experience in Quantity Surveyor or in similar capacity and consider 2/3 length experience in case of Assistant Quantity Surveyor or in similar capacity		30			
	<120km	0				S.No 29 134.07 Km 4L S.No 28 102.72 Km 2L S.No 21 176.18 Km 4 L S.No20 498.63 Km 2L Total of Above = 911.6 Km.
	120km-200km	15				
	>200km – 300km	17.5				
	>300km-400km	20				
	>400km-500km	22.5				
	>500km-600km	25		25	30	
	>600km add 2.5 marks for each additional 100 km experience subject maximum 5 additional marks			5		
iii)	Employment with Firm		5			
	<1 Year	0				working since 05/ 2005, more than 19 Years
	1 year	2		2	5	
	Add 0.5 marks for each subsequent year subject to maximum of 3marks			3		
Total			100	97.5	95	

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2.4.9 LAND ACQUISITION EXPERT			Mr. Abhishek Gaur (30.10.1983 - 41 years)				
S. No.	Description		Maximum Points	Self-Assessment	NHAI Evaluation	References	
I	General Qualification		25				
i)	Graduation or equivalent in any discipline	20		20	20	Bachelor In Commerce from Nagpur University in 2004	
ii)	Post Graduation in law	5		5		Only LLB not LLM, hence not considered.	
a	Relevant Experience & Adequacy for the Project		70				
a)	Total Professional Experience		15				
	<15 years	0					
	15-17 years	11				> 37 years;	
	>17-20 years	13				S.No.1 to 5	
	>20 years	15		13	15		
b)	Experience in Land Acquisition works of Government/ Authority		20				
	<10 years	0			0	9 years 9 Months.	
	10 -12 years	15				S.No.1 to 5 10.07.2007 to 30.04.2017	
	>12-15 years	17				As per the Certificate Attached and given by K&J dated 13.12.2024, It has been mentioned that he is working since July-2007. However as per Infracon he has been working in five projects from 10.07.2007 to 30.04.2017.	
	>15 years	20		20			
c)	Experience in Land Acquisition works in Highway/road sector		25				
	Nil project	0					
	1 project	19				5 Projects	
	2 projects	22				S.No.1 to 5	
	3 projects	25		25	25		
d)	Retired Revenue officer at the level of ADM/SDM / Tehsildar		10	0	0		
III	Employment with Firm		5				
	Less than 1 Year	0					
	1 year	2		5	5	Working with Firm since 01/07/2007 17 years	
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks						
	Total		100	88	85		

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2.4.10	UTILITY EXPERT		Mr. Sarang Inwanjal (10.12.1979 - 45 years)				
S. No.	Description			Maximum Points	Self-Assessment	NHAI Evaluation	References
i	General Qualification			25			
	Full Time Graduation in Electrical Engineering. For Graduation from any IIT/NIT/IIIT/SC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks For other colleges give 50%marks i.e. 12.50 marks				25	25	Bachelor of Engineering in Electrical from Nagpur University in 2001.
ii	Relevant Experience & Adequacy for the Project			70			
a)	Total Professional Experience			15			
	<10 years	0				0	7 Years 10 months S.No.1 to 7 Since 10/04/2017 till Date
	10-15 years	11					
	>15-20 years	13					
	>20 years	15		15			
b)	Experience in Utility estimation and its laying/ erection			30			
	<8 years	0				0	7 Years 10 months S.No.1 to 7 Since 10/04/2017 till Date
	8 -10 years	15					
	>10-15years	17.5					
	>15-20years	22.5		22.5			
	>20-25 years	27.5					
	>25 years	30					
c)	Experience in Utility shifting estimation and its laying/ erection along Highway/ roads			25			
	Nil project	0					7 Projects S.No.1 to 7
	1-3 project	15					
	4-6projects	20					
	>6 projects	25		25	25		
10	Employment with Firm			5			
	Less than 1 Year	0					
	1 year	1					
	Add 0.5 marks for each subsequent year subject to maximum of 3 marks						
Total				100	87.5	50	

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Technical Evaluation of Consultancy Firm										
Criteria	Sub-Criteria	Item	Maximum Marks	i. M/s L N Malviya Infra Projects Pvt. Ltd., Bhopal (Bid ID: 779919)			ii. M/s K and J Projects Pvt. Ltd., Nagpur (Bid ID: 787825)			
				Quantity	Reference	Score	Quantity	Reference	Score	
A1	A1.1	Professionals with 6 years experience and, >1 year with firm	5		No minimum Key Personnel with firm			No minimum availability of Key Personnel with firm. (Pg 170) Sr. Highway Design Engineer - 1 No. & Sr. Bridge Design Engineer - Nil		
		Sr Highway Design Engineers (>=3)		2			1			
		Sr Pavement /Material Specialists (>=2)		8			5			
		Sr Bridge Design Engineers (>=2)		3			0			
		Geotechnical Engineers (>=2)		2			2			
		Traffic /Road Safety Expert (>=2)		4			3			
		Others		137			38			
		Total		156			49			
				0.00			0.00			
		A1.2	Average Turnover of Last Five Years (>= Rs 5 Crore)	5	127.174	As per INFRACON	4.00	48.22	As per INFRACON	3.50
	Total		10		4.00			3.50		
A2	A2.1.1	Len of DPRs, 4L Length	10	1156	S.No - 54	10.00	413.03	S.No. 76	10.00	
	A2.1.2	No. of DPRs more than 40% of project length	15	5	S.No - 43,45,49,51,57	15.00	5	S.No 93,95,70,69,68	15.00	
	A2.2	Bridges >1 km	5	3	S.No - 57 (2) ,49(1)	4.00	5	S.No - 70 (1) ,43(1), 93 (3)	5.00	
	Total		30		29.00			30.00		
B1	B1.1	Testing Facilities	0.75	Not Available in Infracon		0.00	Not Available in Infracon		0.00	
	B1.2	Field Investigation F	0.5	Not Available in Infracon		0.00	Not Available in Infracon		0.00	
	B1.3	Equipment & Software	0.75	Not Available in Infracon		0.00	Not Available in Infracon		0.00	
	B1.4	LiDAR Experience, No. of Projects	1.25	5	S.No -40,43,45,51 & 57	1.25	5	S.No 40,60,63,66,72	1.25	
	B1.5	GPR Experience, No. of Projects	1	4	S. No - 43,45,51 & 57	1.00	4	S.No 72,40,66,60	1.00	
	B1.6	Cadastral Digitization, No. of Projects	0.75	4161	S. No - 38,40 & 57	0.75	516	S.No - 48	0.75	
	Total		5		3.00			3.00		
B2	B2.1	Aerial LiDAR, No. of Projects	1.5	4	page 9-133, 9-138, 9-143, 9-157 of Technical Proposal.	1.50	3	S.No 40.60 & 63	1.50	
	B2.2	Geophysical, No. of Projects	1	2	page 9-306 to 9-356 of Technical Proposal	1.00	0	No marks as per Self Assesment of Firm (Pg 736)	0.00	
	B2.3	Structural Health Monitoring, No. of Bridges	1.5	3	page 9-358 to 9-395 of Technical Proposal	1.00	0	No marks as per Self Assesment of Firm (Pg 736)	0.00	
	B2.4	Satellite Imagery, No. of Projects	1	3	page 9-396 to 9-416 of Technical Proposal	1.00	0	No marks as per Self Assesment of Firm (Pg 736)	0.00	
	Total		5		4.50			1.50		
A+B	Total Score of Firm		50		40.50			35.00		
Team - C	C1	Team Leader /Senior Highway Engineer	10	Sivaprakasm Marimuthu(30.06.1983 - 41 Years)			96	C1	Nagpal Jagatram Kotangale (08.10.1976 - 48 Years)	90
	C2	Senior Bridge Engineer	8	Kunal Sougra (10.01.1982 - 42 Years)			92	C2	Amerendra Jaitare (03.11.1971 - 53 Years)	0
	C3	Highway Design Engineer	6	Vinod Kumar Sharma (29.09.1960 - 64 years)			75	C3	M.Venkateswara Rao (20.07.1979 - 45 years)	99.5
	C4	Traffic /Road Safety Expert	5	K.J.V Raman Rao (19.08.1968 - 56 years)			90	C4	Pravin Udhaorao Bende (03.01.1978 - 46 years)	90
	C5	Environmental Specialist	4	Jayraj Siush (07.09.1975 - 49 years)			82.5	C5	Veligatta Ramalingeswara Rao (06.01.1965 - 59 years)	35
	C6	Material /Geotechnical Engineer	5	Rakesh Trivedi (26.07.1962 - 62 years)			77	C6	Harish Kainthola (16.05.1962 - 62 years)	75
	C7	Senior Survey Engineer	4	Praveen Asati (09.03.1974 - 50 years)			85.75	C7	Dilip Kumar Singh (10.02.1979 - 45 years)	83
	C8	QS /Documentation Expert	2	Suman Burua (11.06.1976 - 48 years)			82	C8	Pallavi Rahul Hadole (12.07.1982 - 42 years)	95
	C9	Land Acquisition Expert	4	Mohd Younus Zargar (20.12.1960 - 64 years)			90	C9	Abhishek Gaur (30.10.1983 - 41 years)	65
	C10	Utility Expert	2	Arpit kulshrchth (20.03.1984 - 40 years)			90.5	C10	Sarang Jawanjal (10.12.1979 - 45 years)	50
	Total Score of Key Personnel		50			43.59			33.44	
A+B+C	Grand Total		100		84.09			71.44		

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