



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075 • G-5 & 6, Sector-10, Dwarka, New Delhi-110075

दूरभाष/Phone : 91-11-25074100 / 25074200



भाराराप्रा/ नीति दिशानिर्देश/ मानक दस्तावेज/ 2026
नीति परिपत्र सं. 11.112/2026 दिनांक 19th सितम्बर, 2026
{{ई-ऑफिस फाइल सं. DPR-12024/7/2026-DPR Cell (कम्प्यूटर सं. 320845)}}

NHA/ Policy Guidelines/ Standard Documents/ 2026
Policy Circular No. 11.112 / 2026 dated 19th September, 2026
{{(Decision taken on E-Office File No. DPR-12024/7/2026-DPR Cell (Comp No. 320845)}}

विषय: विस्तृत परियोजना रिपोर्ट परामर्शी सेवाओं की खरीद हेतु मानक आरएफपी दस्तावेज - सड़क परिवहन और राजमार्ग मंत्रालय द्वारा दिनांक 02.09.2026 को जारी परिपत्र के माध्यम से किए गए संशोधनों को अपनाए जाने के संबंध में।

Sub: Standard RFP Document for Procurement of DPR Consultancy Services - Adoption of amendments issued by MoRT&H vide Circular dated 02.09.2026 - reg:-

- संदर्भ:**
- (i) सड़क परिवहन और राजमार्ग मंत्रालय का परिपत्र सं. आरडबल्यू/एनएच-33044/29/2021-एसएंडआर(पीएंडबी) भाग (कंप्यूटर. सं. 262799) (130.265) दिनांक 02.09.2026
 - (ii) भा.रा.रा.प्रा. नीति परिपत्र सं. 11.100 दिनांक 21.07.2026
 - (iii) भा.रा.रा.प्रा. नीति परिपत्र सं. 11.95 दिनांक 20.06.2026
 - (iv) भा.रा.रा.प्रा. परिपत्र संख्या 11.90 दिनांक 12.03.2026
 - (v) भा.रा.रा.प्रा. परिपत्र संख्या 11.85 दिनांक 17.02.2026
- Ref.:**
- (i) MoRT&H Circular No. RW/NH-33044/29/2021-S&R(P&B) Part (C. No. 262799) (130.265) dated 02.09.2026.
 - (ii) NHA Policy Circular No. 11.100 dated 21.07.2026.
 - (iii) NHA Policy Circular No. 11.95 dated 20.06.2026.
 - (iv) NHA Policy Circular No. 11.90 dated 12.03.2026.
 - (v) NHA Policy Circular No. 11.85 dated 17.02.2026.

सड़क परिवहन और राजमार्ग मंत्रालय (एमओआरटीएच) ने अपने परिपत्र सं. आरडबल्यू/एनएच-33044/29/2021-एसएंडआर(पीएंडबी) भाग (कंप्यूटर. सं. 248404) दिनांक 29.09.2025 के माध्यम से राष्ट्रीय राजमार्गों एवं केंद्रीय प्रायोजित सड़क कार्यों के संबंध में विस्तृत परियोजना रिपोर्ट (डीपीआर) तैयार करने हेतु परामर्शी सेवाओं की खरीद के लिए संशोधित मानक आरएफपी दस्तावेज जारी किया था। मंत्रालय के निर्देशों के अनुपालन में, भा.रा.रा.प्रा. ने नीति परिपत्र सं. 11.85 दिनांक 17.02.2026 के माध्यम से उक्त संशोधित मानक आरएफपी दस्तावेज को कुछ संशोधनों सहित अपनाया। उक्त आरएफपी में तत्पश्चात नीति परिपत्र सं. 11.90 दिनांक 12.03.2026, 11.95 दिनांक 20.06.2026 तथा 11.100 दिनांक 21.07.2026 के माध्यम से भी संशोधन किए गए।

Ministry of Road Transport & Highways (MoRT&H), vide its Circular No. RW/NH-33044/29/2021-S&R(P&B) Part (C. No. 248404) dated 29.09.2025, issued the revised Standard Request for Proposal (RFP) document for Procurement of Consultancy Services for preparation of Detailed Project Report (DPR) in respect of National Highways and Centrally Sponsored Road Works. In compliance with the directions of the Ministry, NHA, vide Policy Circular No. 11.85 dated 17.02.2026, adopted the revised Standard RFP document with certain modifications. The RFP was further amended vide Policy Circular Nos. 11.90 dated 12.03.2026, 11.95 dated 20.06.2026 and 11.100 dated 21.07.2026.

Contd.....2/-

2. सड़क परिवहन और राजमार्ग मंत्रालय ने संदर्भ सं. (i) में उल्लिखित दिनांक 02.09.2026 के परिपत्र के माध्यम से डीपीआर परामर्शी सेवाओं की खरीद हेतु मानक आरएफपी के कुछ प्रावधानों में पुनः संशोधन किए हैं।

MoRT&H, vide Circular dated 02.09.2026 cited at Reference no. (i), has further amended certain provisions of the Standard RFP for Procurement of DPR Consultancy Services.

3. तदनुसार, डीपीआर परामर्शदाताओं की नियुक्ति हेतु मानक आरएफपी से संबंधित, सड़क परिवहन और राजमार्ग मंत्रालय के दिनांक 02.09.2026 के उपर्युक्त परिपत्र में निहित संशोधन सभी संबंधितों की सूचना, मार्गदर्शन एवं अनुपालन हेतु संलग्न किए जा रहे हैं।।

Accordingly, the amendments contained in the aforesaid MoRT&H Circular dated 02.09.2026, relating to the Standard RFP for Procurement of DPR Consultancy Services are enclosed herewith for information, guidance and compliance by all concerned.

4. यह सक्षम प्राधिकारी के अनुमोदन से जारी किया जाता है।
This issues with the approval of Competent Authority.

संलग्नक: यथोपरी।

Encl.: As stated above.

(सीएस. संजय कुमार पटेल/ CS. Sanjay Kumar Patel)
प्रभारी मुख्य महाप्रबंधक(समन्वय) (i/c) Chief General Manager (Coord.)

प्रति/ To:

भाराराप्रा मुख्यालय/आरओ/पीआईयू/सीएमयू/साइट कार्यालयों के सभी अधिकारी।
All Officers of NHAI HQ/ ROs/ PIUs/ CMUs/ Site Offices.

प्रतिलिपि/ Copy to:

1. पुस्तकालय की साइट पर प्रकाशन के लिए पुस्तकालय को।
Library for hosting the Circular on Library site.
2. परिचालन के लिए वेब एडमिन को।
Web Admin for Circulation.
3. सचिव, सड़क परिवहन और राजमार्ग मंत्रालय के प्रधान निजी सचिव को सूचनार्थ।
PPS to Secretary, MoRT&H for Kind Information.



No. RW/NH-33044/29/2021-S&R(P&B) Part (Comp No 262799)
Government of India
Ministry of Road Transport & Highways
Transport Bhawan, 1, Parliament Street, New Delhi-110001

130.265

Dated: 02nd Sept, 2026

CIRCULAR

To,

1. The Chief Secretaries of all the State Governments/ UTs.
2. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department/ Road Construction Department/ Highways Department (dealing with National Highways and other centrally sponsored schemes).
3. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110075.
4. The Managing Director, NHIDCL, 1 st & 2 nd floor, Tower-A, World Trade Centre, Nauroji Nagar, New Delhi-110029.
5. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110010.
6. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs/ Road Construction Department/ Highways Departments (dealing with National Highways and other centrally sponsored schemes).
7. The Secretary General, Indian Roads Congress
8. The Director, IAHE, Noida, UP
9. All CE-ROs, ROs and ELOs of the Ministry.

Subject: Revised Document for Request for Proposal (RFP) for appointment of Consultancy Services for preparation of Detailed Project Report (DPR) in respect of National Highways and centrally sponsored road works"-Amendment in RFP reg.

Reference: i) Ministry's circular no. RW/NH-33044/29/2021-S&R(P&B) (Comp No 248404) dated 29.09.2025

ii) Ministry Circular No RW/NH-33044/29/2021-S&R (P&B) Part (Comp no 262799) dated 25.02.2026.

iii) Ministry Circular No RW/NH-33044/37/2025-S&R (P&B)(Comp no 255492) dated 24.06.2026

Madam/Sir,

Please refer to the Revised RFP for appointment of Consultancy Services for preparation of Detailed Project Report (DPR) in respect of National Highways and centrally sponsored road works, circulated vide Ministry's circular mentioned under reference above.

2. Certain amendments to the Standard RFP clauses have been made. These amendments are attached as **Annexure-A** to this circular.

3. All the executing agencies are requested to make the aforesaid modifications in the RFP document for appointment of Consultancy Services for preparation of Detailed Project Report (DPR) in respect of National Highways and centrally sponsored road works, before inviting tenders.

4. This issues with the approval of Competent Authority.

Encl: Annexure-A

Yours' Faithfully,
Digitally signed by
Akil Ahmad
Date: 02-09-2026
12:09:12
(Akil Ahmad)
Superintending Engineer
for DG(RD)&SS

Copy:

1. Technical circular file of S&R (P&B) Section Technical circular file of S&R (P&B) Section
2. NIC-for uploading on Ministry's website under "What's new" & "Comprehensive Compendium circulars"

Copy for kind information to:

1. PS to Hon'ble Minister (RT&H)
2. PS to Hon'ble MOS (RT&H)
3. OSD to Hon'ble MOS (Corporate Affairs and RT&H)
4. Sr. PPS to Secretary (RT&H)
5. Sr. PPS to DG (RD) & SS
6. Sr. PPS to AS&FA
7. Sr. PPS to Addl. Secretary (Transport)/JS (Toll)/ JS(Parliament)
8. Sr. PPS/ PPS to all ADGs/ CEs

Annexure-A

DRAFT for RFP (DPR) Amendments

Sr. No.	Reference	Existing Provision				Amended Provision											
1	Section I: Request for Proposal Letter (RFPL) Clause 2.2 Pg 1	2.2 Availability of the RFP Document The RFP Document shall be published on on "INFRACON" (www.infracon.nic.in) for download after the date and time of the start of availability till the deadline for availability as mentioned in TIS. The Consultant who download the RFP document from the website will be required to pay the non- refundable fee of Rs. 5,000/- toward s cost of RFP at the time of the submission of the Bid proposal through RTGS/NEFT/ or any other online mode in favour of MoRTH/NHAI/NHIDCL/Agency. If the Procuring Entity happens to be closed on the deadline for the availability of the RFP Document, the deadline shall not be extended.				2.2 Availability of the RFP Document The RFP Document shall be published on on "INFRACON" (www.infracon.nic.in) for download after the date and time of the start of availability till the deadline for availability as mentioned in TIS. The Consultant who download the RFP document from the website will be required to pay the non- refundable fee of Rs. 5,000/- toward s cost of RFP at the time of the submission of the Bid proposal through RTGS/NEFT/ or any other online mode in favour of MoRTH/NHAI/NHIDCL/Agency. If the Procuring Entity happens to be closed on the deadline for the availability of the RFP Document, the deadline shall not be extended. <u>Cost of the Document has to be deposited through online/SFMS gateway in MoRTH/ NHAI/NHIDCL Account, details of which are as follows:-</u> <table><tr><td>Beneficiary</td><td>MoRTH / NHAI / NHIDCL</td></tr><tr><td>Bank</td><td>Bank</td></tr><tr><td>Account Number</td><td></td></tr><tr><td>IFSC Code</td><td></td></tr></table>				Beneficiary	MoRTH / NHAI / NHIDCL	Bank	Bank	Account Number		IFSC Code	
Beneficiary	MoRTH / NHAI / NHIDCL																
Bank	Bank																
Account Number																	
IFSC Code																	
2	Appendix to RFPL: Tender Information Summary (TIS) Sr. No. 7 Documents relating to Bid Security (ITC-clause 8.4) and Performance Security (ITC-clause 13.1.2) Pg 6	Bid Security (EMD) Amount in INR:	[Fifteen]	Is Bid Securing Declaration permitted in lieu of Bid Security	Yes	Bid Security (EMD)* Amount in INR:	[EMD @ 2% of the estimated procurement value.]	Is Bid Securing Declaration permitted in lieu of Bid Security	Yes								
						<u>Note*: Bid Security shall be submitted by all bidders except Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organisation or the concerned Ministry or Department or Startups as recognised by Department of Industrial Policy & Promotion (DIPP). Bidders may also furnish a Bid Securing Declaration, in lieu of EMD.</u>											
3	Appendix to RFPL: Tender Information Summary (TIS) Pg. 06-07	For Normal Highway Projects: a. Tentative Project Cost <=100 Cr (Excluding GST and Excluding Land Cost) ... iv) Only 1 JV partner allowed meeting at least 40 % minimum eligibility criteria. Lead Partner to meet 60% eligibility criteria. b) 100 Cr<Tentative Project Cost <=500 Cr (Excluding GST and Excluding Land Cost)				For Normal Highway Projects: a. Tentative Project Cost <=100 Cr (Excluding GST and Excluding Land Cost) ... iii. Only sole bidders can bid. No JV Partner/ associate shall be allowed. ... b) 100 Cr<Tentative Project Cost <=500 Cr (Excluding GST and Excluding Land Cost) <u>ii) QBS mode with 30 (Technical Score):40 (DPR Rating</u>											

		ii) <u>OBS mode with 30 (Technical Score):30 (DPR Rating): 40 (PBG quote) weightages</u> iii) Only 1 JV partner allowed meeting at least 40% minimum eligibility criteria. Lead Partner to meet 60% eligibility criteria c) <u>500 Cr < Tentative Project Cost <= 1000 Cr (Excluding GST and Excluding Land Cost)</u> i. Fixed Cost assessed by Tender Inviting Agency - No financial proposal to be submitted by bidders ii. PBG to be quoted by Bidder iii. <u>OBS mode with 30 (Technical Score):30 (DPR Rating): 40 (PBG quote) weightages</u> iv. Only 1 JV partner allowed meeting at least 50% minimum eligibility criteria. Lead Partner to meet at least 75% eligibility criteria. d) <u>Tentative Project Cost > 1000 Cr (Excluding GST and Excluding Land Cost)</u> i. <u>Fixed Cost assessed by Tender Inviting Agency - No financial proposal to be submitted by bidders</u> ii. <u>PBG to be quoted by Bidder</u> iii. <u>Modified QCBS mode with 30 (Technical Score):30 (DPR Rating): 40 (PBG quote) weightages</u> iv. <u>Only 1 JV partner allowed who should be an international firm of repute i.e. having experience of DPR of Highway Projects for multilateral agencies such as ADB/World Bank/JICA with aggregate length equal to or greater than DPR length under bidding besides meeting at least 40% minimum eligibility criteria. Lead Partner to meet 60% eligibility criteria.</u> <u>Note: International firm shall be a foreign registered firm of repute or a 100% subsidiary of such an international firm, registered in India.</u> For Standalone Bridge Projects: ... iii. <u>Modified QCBS mode with 60 (Technical including Rating): 40 (PBG quote) weightages</u> For Standalone Tunnel Projects: ... iii. <u>Modified QCBS mode with 60 (Technical including Rating): 40 (PBG quote) weightages</u> ...	<u>1: 30 (PBG quote) weightages</u> iii) Only sole bidders can bid. No JV Partner/ associate shall be allowed. - c) <u>Tentative Project Cost > 500 Cr (Excluding GST and Excluding Land Cost)</u> i. Fixed Cost assessed by Tender Inviting Agency- No financial proposal to be submitted by bidders ii. PBG to be quoted by Bidder iii. <u>OBS mode with 30 (Technical Score):40 (DPR Rating): 30 (PBG quote) weightages</u> iv. Only 1 JV partner allowed meeting at least 50% minimum eligibility criteria. Lead Partner to meet at least 75% eligibility criteria. d) <u>Deleted.</u> For Standalone Bridge Projects: ... iii. <u>OBS mode with 30 (Technical Score):40 (DPR Rating): 30 (PBG quote) weightages</u> For Standalone Tunnel Projects: ... iii. <u>OBS mode with 30 (Technical Score):40 (DPR Rating): 30 (PBG quote) weightages</u> ...
4	Appendix-1 to TIS: Eligibility Criteria Clause 1.1 Pg 8	1.1 Consultants should meet the following eligibility criteria as of the date of their RFP submission and should continue to meet these until the subsequent RFP process and contract award. Consultants shall be required to demonstrate fulfilment of the Eligibility Criteria in Form 1.2 (Eligibility Declarations). Consultant unless otherwise stipulated in: ... d) Not have a conflict of interest (as defined in clause 4.5 below), which substantially affects fair competition. No attempt should be made to induce any other consultant to submit or not to submit an RFP to restrict competition ... 3) from certain countries shall be eligible subject to certain conditions as detailed in Clause 1.2 below.	1.1 Consultants should meet the following eligibility criteria as of the date of their RFP submission and should continue to meet these until the subsequent RFP process and contract award. Consultants shall be required to demonstrate fulfilment of the Eligibility Criteria as per <u>Para 2 of Form T-1</u> (Eligibility Declarations). Consultant unless otherwise stipulated in: ... d) Not have a conflict of interest (as defined in <u>clause 1.6</u> below), which substantially affects fair competition. No attempt should be made to induce any other consultant to submit or not to submit an RFP to restrict competition. ... 3) from certain countries shall be eligible subject to certain conditions as detailed in <u>Clause 1.3</u> below.

5	Appendix-1 to TIS: Eligibility Criteria, 1.5 Joint Venture/ Consortium (JV) /C Pg 10-11	1.5.1 The mode of bidding as well as JV provisions shall be categorized as under based on Tentative Project Cost of the Project as estimated by Authority: - For Normal Highway Projects: a. Tentative Project Cost $\leq$ 500 Cr (Excluding GST and Excluding Land Cost): Only 1 JV partner allowed meeting at least 40% minimum eligibility criteria. Lead Partner to meet 60% eligibility criteria. b) <u>500 Cr < Tentative Project Cost $\leq$ 1000 Cr</u> (Excluding GST and Excluding Land Cost): Only 1 JV partner allowed meeting at least 50% minimum eligibility criteria. Lead Partner to meet at least 75% eligibility criteria. c) <u>Tentative Project Cost > 1000 Cr (Excluding GST and Excluding Land Cost):</u> <u>Only 1 JV partner allowed who should be an international firm of repute i.e. having experience of DPR of Highway Projects for multilateral agencies such as ADB/World Bank/JICA with aggregate length equal to or greater than DPR length under bidding besides meeting at least 40% minimum eligibility criteria. Lead Partner to meet 60% eligibility criteria.</u> <u>Note: International firm shall be a foreign registered firm of repute or a 100% subsidiary of such an international firm, registered in India.</u>	1.5.1 The mode of bidding as well as JV provisions shall be categorized as under based on Tentative Project Cost of the Project as estimated by Authority: - For Normal Highway Projects: a. Tentative Project Cost $\leq$ 500 Cr (Excluding GST and Excluding Land Cost): Only sole bidders can bid. No JV Partner/ associate shall be allowed. b) <u>Tentative Project Cost > 500 Cr</u> (Excluding GST and Excluding Land Cost): Only 1 JV partner allowed meeting at least 50% minimum eligibility criteria. Lead Partner to meet at least 75% eligibility criteria. c) <u>Deleted.</u>
6	Appendix-1 to TIS, Clause 1.8 & subclauses Pg 14-18	1.8 In addition to meeting the qualification criteria stipulated in clause 1.7 above, the Residual DPR Bid Capacity viz., "R" of the participating consultants shall be more than the tentative length of the Project for which DPR assignment bids have been invited. The detailed methodology for calculation of the same has been stipulated in sub-clauses below. 1.8.1 <u>For Normal Highway Projects</u> The Residual Bid Capacity "R".... Share in JV shall be calculated. 1.8.2 <u>For Standalone Tunnel Projects</u> Residual DPR Bid Capacity viz. Share in JV shall be calculated. 1.8.3 <u>For Standalone Bridge Projects</u> Residual DPR Bid Capacity viz., "R".... corroborate the claim of SLF and SF.	Deleted.
7	Section II, Clause 1.4.6 - Section VII: Evaluation/Scoring Criteria Pg 20	2) Consultants must i) <u>Form T-11: Format for submission of Residual DPR Bid Capacity 'R'</u>	2) Consultants must Deleted.
8	Section II, Clause 1.5 - Forms to be filled by Consultants Pg 22	xi) <u>Form T-11 Format for submission of Residual DPR Bid Capacity 'R'</u>	xi) Deleted.
9	Section II: Instr	8.4 - Bid Security - Related Documents	8.4 - Bid Security - Related Documents

	uctions to Consultants (ITC) Clause 8.4 Pg 32	The Consultant shall provide Bid Security as Earnest Money Deposit (EMD) for the amount shown in the TIS (or if permitted in TIS, a Bid Securing Declaration as Form T-9B in lieu of EMD).	The Consultant shall provide Bid Security as Earnest Money Deposit (EMD) for the amount shown in the TIS (or if permitted in TIS, a Bid Securing Declaration as <u>Form T-17</u> in lieu of EMD).
10	Section II: Instructions to Consultants (ITC)	11.3.3 Evaluation of Techno-commercially Suitable Consultants and opening Financial Proposal A Proposal shall be rejected if it fails to achieve the minimum technical score indicated therein i.e. 70% or more marks in technical proposals for consultants with available DPR Rating and 60% or more marks for consultants without rating i.e. new entrants. Proposals that.....	11.3.3 Evaluation of Techno-commercially Suitable Consultants and opening of Financial Proposal A Proposal shall be rejected if it fails to achieve the minimum technical score indicated therein i.e. 70% or more marks in technical proposals. Proposals that ...
10	Section II: Instructions to Consultants (ITC) Pg 40-41	11.4.1 Financial Proposal (for QCBS mode)/PBG Proposal (for QBS mode) Evaluation 1)... 10) Quality and Cost-Based Selection (QCBS): In the case of QCBS..... The respective weightages for technical score, DPR rating done by NHAI/MoRTH as well as <u>PBG quotes</u> shall be 30 (Technical Score):30 (DPR Rating): 40 (Financial quote). will be H-1. .. b. The Applicable DPR Rating as notified by NHAI/MoRTH (as on bid due date) shall be used to score the consultants out of 30 as per given criteria. This would be denoted as Sr. d. The weights given to the Technical (T) and Financial (P) Proposals are specified in TIS/ AITC: T (the weight given to the Technical Proposal) in % i.e. 30%, and P (the weight given to the Financial Proposal) in % i.e. 40% (with T + P = 70%) e. Proposals would be ranked according to their combined QCBS (weighted technical, St and financial, Sf) scores as follows: $S = (St \times T + Sf \times P) / 100 + Sr$ in which "S" is the combined QCBS score, "St" is the relative technical score calculated as per sub-clause a) above and "Sf" is the financial score calculated as per sub-clause b) above. .. 11) Fixed Budget Selection (FBS): In the case of <u>FBS</u>, only the value of PBG The respective weightages for technical score, DPR rating done by NHAI/MoRTH as well as PBG quotes shall be <u>30 (Technical Score):30 (DPR Rating): 40 (PBG quote)</u>. <u>In case two bidders get same final score, the bidder with higher residual bid capacity shall be awarded the project.</u> The PBG Quote of the all technically qualified bidders (i.e. 70% or more marks in technical proposals for consultants with available DPR Rating and 60% or more marks for consultants without rating i.e. new entrants) shall be opened. ... b) The Applicable DPR Rating as notified by NHAI/MoRTH (as on bid due date) shall be used to score the consultants out of 30 marks as per given criteria. This would be denoted as Sr. c) The PBG Quotes Proposals are given score based	11.4.1 Financial Proposal (for QCBS mode)/PBG Proposal (for QBS mode) Evaluation 1)... 10) Quality and Cost-Based Selection (QCBS): In the case of QCBS..... The respective weightages for technical score, DPR rating done by NHAI/MoRTH as well as <u>Financial quotes</u> shall be 30 (Technical Score):40 (DPR Rating): 30 (Financial quote). will be H-1. .. a. The Applicable DPR Rating as notified by NHAI/MoRTH (as on bid due date) shall be used to score the consultants out of 40 as per given criteria. This would be denoted as Sr. d) The weights given to the Technical (T), Rating (Sr) and Financial (P) Proposals are specified in TIS/ AITC: T (the weight given to the Technical Proposal) in % i.e. 30%, Sr (the weightage given to Rating of firm) in % i.e. 40% P (the weight given to the Financial Proposal) in % i.e. 30% e) Proposals would be ranked according to their combined QCBS (weighted technical, St and financial, Sf) scores as follows: $S = (St \times T + Sf \times P) / 100 + Sr$ in which "S" is the combined QCBS score, "St" is the relative technical score calculated as per sub-clause a) above and "Sf" is the financial score calculated as per sub-clause b) above <u>and "Sr" is the DPR Rating Score calculated as per sub-clause (b) above.</u> .. 11) Quality Based Selection (QBS): In the case of <u>QBS</u>, only the value of PBG The respective weightages for technical score, DPR rating done by NHAI/MoRTH as well as PBG quotes shall be <u>30 (Technical Score):40 (DPR Rating): 30 (PBG quote)</u>. <u>In case two or more bidders obtain the same final score, the bidder with the higher DPR Rating Score shall be ranked higher. In case the absolute DPR Rating are also identical, the bidder with the higher PBG Score shall be ranked higher.</u> The PBG Quote of the all technically qualified bidders (i.e. 70% or more marks in technical proposals) shall be opened. ... b) The Applicable DPR Rating as notified by NHAI/MoRTH (as on bid due date) shall be used to score the consultants out of 40 marks as per given criteria. This would be denoted as Sr. c) The PBG Quotes Proposals are given score based on the relative <u>ranking of PBG Quotes</u>, with the highest quoted PBG Proposal (Fm) being assigned the maximum PBG score (Sf) of 100(Hundred). The formula for determining the <u>PBG</u> scores (Sf) of all other Proposals is as follows:

	on the relative <u>ranking of prices</u>, with the highest quoted PBG Proposal (Fm) being assigned the maximum PBG score (Sf) of 100(Hundred). The formula for determining the <u>financial</u> scores (Sf) of all other Proposals is as follows: $Sf = 100 \times F/Fm,$ in which "Fm" is the <u>price of the highest offer</u>, "Sf" is the <u>financial</u> score calculated, and "F" is the <u>price of the proposal</u> under consideration. d) The weights given to the Technical (T) and <u>Financial</u> (P) Proposals are specified in TIS/ AITC: T (the weight given to the Technical Proposal) in %, and P (the weight given to the <u>Financial</u> Proposal) in % (with T + P = 70%) e) Proposals would be ranked according to their combined <u>QCBS</u> (weighted technical, St and <u>financial</u>, Sf) scores as follows: $S = (St \times T + Sf \times P)/100 + Sr.$ in which "S" is the combined <u>QCBS</u> score, "St" is the relative technical score calculated as per sub-clause a) above and "Sf" is the <u>financial</u> score calculated as per sub-clause <u>b)</u> above. ...	$Sf = 100 \times F/Fm,$ in which "Fm" is the <u>highest PBG Quote received</u>, "Sf" is the <u>PBG</u> score calculated, and "F" is the <u>PBG quote of the proposal</u> under consideration. d) The weights given to the Technical (T), Rating (Sr) and Financial (P) Proposals are specified in TIS/ AITC: T (the weight given to the Technical Proposal) in % i.e. 30%, Sr (the weightage given to Rating of firm) in % i.e.40% P (the weight given to the Financial Proposal) in % i.e. 30% e) Proposals would be ranked according to their combined <u>QBS</u> (weighted technical, St and <u>PBG</u>, Sf) scores as follows: $S = (St \times T + Sf \times P)/100 + Sr.$ in which "S" is the combined <u>QBS</u> score, "St" is the relative technical score calculated as per sub-clause a) above and "Sf" is the <u>PBG</u> score, calculated as per sub-clause <u>c)</u> above, and "Sr" is the <u>DPR Rating Score calculated as per sub-clause (b) above</u>.																																																			
11	Section III - AITC / Table "ITC 11 and 12 Evaluation of Proposals and Award of Contract", ITC 11.2.1 Pg 47	[Proposal should enclose proof of submission of Bid Document fee of Rs. 5000/- . <u>Bidder (Sole/JV) should have required Residual DPR Bid Capacity]</u>"	[Proposal should enclose proof of submission of Bid Document fee of Rs. 5000/- . <u>Bidder (Sole/JV) should have required Residual DPR Bid Capacity]</u>																																																		
12	Section IV: General Conditions of Contract (GCC) Clause 10.5.1 Pg 82 - 83	5) The Procuring Entity shall pay the Consultant's <u>invoices within sixty (60) days</u> after the receipt by the Procuring Entity of such itemized invoices with supporting documents. Only a portion of an invoice not satisfactorily supported may be withheld from the payment. Should any discrepancy exist between actual payment and costs authorized to be incurred by the Consultant, the Procuring Entity may add or subtract the difference from subsequent payments. 10) The DPR Consultant will be paid stage-wise as a percentage of the contract value as per the schedule given below. The Performance Bank guarantee shall also be released in Stages defined below: <table><thead><tr><th>S. No.</th><th>Item</th><th>Payment % of Contract Price</th><th>% Release of PBG of 5% of Contract Value</th><th>% Release of Remaining PBG (quoted PBG - 5% of Contract)</th></tr></thead><tbody><tr><td colspan="5">First Stage</td></tr><tr><td>1</td><td>Submission of final QAP and Inception Report</td><td>2.5 %</td><td>-</td><td></td></tr><tr><td colspan="5">Second Stage</td></tr><tr><td>1</td><td>Submission and Approval of Final DPR Report, documents and drawings</td><td>5%</td><td>-</td><td></td></tr></tbody></table>	S. No.	Item	Payment % of Contract Price	% Release of PBG of 5% of Contract Value	% Release of Remaining PBG (quoted PBG - 5% of Contract)	First Stage					1	Submission of final QAP and Inception Report	2.5 %	-		Second Stage					1	Submission and Approval of Final DPR Report, documents and drawings	5%	-		5) The Procuring Entity shall pay the Consultant's <u>invoices within thirty (30) days</u> after the receipt by the Procuring Entity of such itemized invoices with supporting documents. Only a portion of an invoice not satisfactorily supported may be withheld from the payment. Should any discrepancy exist between actual payment and costs authorized to be incurred by the Consultant, the Procuring Entity may add or subtract the difference from subsequent payments. 10) The DPR Consultant will be paid stage-wise as a percentage of the contract value as per the schedule given below. The Performance Bank guarantee shall also be released in Stages defined below: <table><thead><tr><th>S. No.</th><th>Item</th><th>Payment % of Contract Price</th><th>% Release of PBG of 5% of Contract Value</th><th>% Release of Remaining PBG (quoted PBG - 5% of Contract)</th></tr></thead><tbody><tr><td colspan="5">First Stage</td></tr><tr><td>1</td><td>Submission of final QAP and Inception Report</td><td>5 %</td><td>-</td><td></td></tr><tr><td colspan="5">Second Stage</td></tr><tr><td>1</td><td>Submission and Approval of Final DPR Report, documents and drawings</td><td>10%</td><td>-</td><td></td></tr></tbody></table>	S. No.	Item	Payment % of Contract Price	% Release of PBG of 5% of Contract Value	% Release of Remaining PBG (quoted PBG - 5% of Contract)	First Stage					1	Submission of final QAP and Inception Report	5 %	-		Second Stage					1	Submission and Approval of Final DPR Report, documents and drawings	10%	-	
S. No.	Item	Payment % of Contract Price	% Release of PBG of 5% of Contract Value	% Release of Remaining PBG (quoted PBG - 5% of Contract)																																																	
First Stage																																																					
1	Submission of final QAP and Inception Report	2.5 %	-																																																		
Second Stage																																																					
1	Submission and Approval of Final DPR Report, documents and drawings	5%	-																																																		
S. No.	Item	Payment % of Contract Price	% Release of PBG of 5% of Contract Value	% Release of Remaining PBG (quoted PBG - 5% of Contract)																																																	
First Stage																																																					
1	Submission of final QAP and Inception Report	5 %	-																																																		
Second Stage																																																					
1	Submission and Approval of Final DPR Report, documents and drawings	10%	-																																																		

		Third Stage					Third Stage				
		1	Completion of award declaration (3G) for 90% of land parcels identified and submission of Land Award report	5%	-		1	Completion of award declaration (3G) for 90% of land parcels identified and submission of Land Award report	3%	-	
		1	Receipt of land possession certificates (3H) for 90% of all land parcels identified in LAC report and submission of Land Possession report	5%	10%		1	Receipt of land possession certificates (3H) for 90% of all land parcels identified in LAC report and submission of Land Possession report	2%	10%	
		1	Completion of Mutation of Land Record and entry in Highway Land Register with the Highway Administration	1%	10%		1	Completion of Mutation of Land Record and entry in Highway Land Register with the Highway Administration	0.5%	10%	
		1	Amount to be released at earlier of project's COD or 3 years from start of civil work	4.5%	--	Balance PB G shall ... below	1	Amount to be released at earlier of project's COD or 3 years from start of civil work	2.5%	--	Balance PB G shall ... below
		Note: ... (d) The Client shall cause the payment of the Consultants in clause 10.5 above as given in schedule of payment <u>within thirty (30) days</u> after the receipt by the Client of bills. Interests at the rate specified in the SC shall become payable as from the above due date on any amount due by, but not paid on, such due date. ... l) <u>The DPR Consultants can raise bills once every two months for all completed stages.</u> ...					Note: ... (d) The Client shall cause the payment of the Consultants in clause 10.5 above as given in schedule of payment <u>within thirty (30) days</u> after the receipt by the Client of bills. Interests at the rate specified in the SC shall become payable as from the above due date on any amount due by, but not paid on, such due date. ... l) <u>The DPR Consultants can raise bills once every month for all completed stages.</u> ...				
13	Section IV: General Conditions of Contract (GCC) Clause 14.3.1, iii. Pg 101	Cls 14.3.1 Penalty for Error/Variation					Cls 14.3.1 Penalty for Error/Variation				
		COS on account of utility shifting as % of total estimated project cost by the DPR consultant					COS on account of utility shifting as % of total estimated project cost by the DPR consultant				
		Upto 0.5%					Upto 0.5%				
		0.5-1%					0.5-1%				
		2-3%					2-3%				
		More than 3%					More than 3%				
14	Section IV: General Conditions of Contract (GCC) Clause 15 CoS Pg 103	15. Change of Scope					15. Change of Scope				
		The change of Scope on account of variation of total length as well as 4 laned length of project Highway from the indicative length as given in <u>Letter of Invitation of the RFP</u> shall be dealt as follows					The change of Scope on account of variation of total length as well as 4 laned length of project Highway from the indicative length as given in <u>as specified under Clause 1.1 of the Terms of Reference</u> shall be dealt as follows				
											
		ii) The Consultancy fee shall be revised on account of change of scope as below:					ii) The Consultancy fee shall be revised on account of change of scope as below:				
		- <u>In case the total length of project increase/ decrease up to 10% of indicative length given in the RFP: No change in Consultancy Fees.</u>					- <u>In case of increase/ decrease in total length of project: The consultancy fee shall be increased/ decreased in the same proportion in which the length of the project road is increased / decreased.</u>				
		<u>In case the increase/ decrease in total length of project is more than 1</u>									

0 % of the indicative length as given in the RFP: The consultancy fee shall be increased/ decreased in the same proportion in which the length of the project road is increased/ decreased beyond 10%.

15	SCC Pg 106	GCC 10: Prices and Payments 10.1.3 Variations No change	GCC 10: Prices and Payments 1V 0a 1a 1a 3o n s <u>If the construction contract is not awarded within three (3) years from the date of approval of the alignment by the Competent Authority, the consultancy contract shall stand foreclosed on expiry of the said period, unless the Authority has, prior to such expiry, issued a specific order extending the contract for a stated period.</u> <u>Notwithstanding the provisions of GCC Clause 10.1.3, price escalation shall be payable in respect of Consultancy Services continuing beyond three years from the date of award of the Consultancy Services, where such continuation is pursuant to an extension of time granted by the Authority for reasons not attributable to the Consultant and the Consultancy assignment has not been foreclosed, subject to the following:</u> <u>(a) Price escalation shall become applicable from the date immediately following completion of three years from the date of award of the Consultancy Services, provided that the Consultancy Services are continuing pursuant to an extension of time granted by the Authority for reasons not attributable to the Consultant and the Consultancy assignment has not been foreclosed.</u> <u>(b) No escalation shall be payable in respect of the first three (3) years from the date of award of the Consultancy Services. For each completed period of twelve (12) months thereafter (each an "Escalation Period"), the remuneration payable for services rendered during that Escalation Period shall be adjusted in accordance with the movement of the All-India Consumer Price Index for Industrial Workers (CPI-IW), as published by the Labour Bureau, Ministry of Labour and Employment, Government of India, computed as under:</u> $P_1 = P_0 \times (I_1 / I_0)$ <u>where —</u> <u>P_1 = escalated remuneration payable for the Escalation Period;</u> <u>P_0 = remuneration payable for the same services at the rates originally accepted in the Contract, exclusive of escalation;</u> <u>I_0 = Base Index, being the CPI-IW, for the calendar month immediately preceding the month in which the Consultancy Services were awarded;</u> <u>I_1 = CPI-IW, for the calendar month immediately preceding the month.</u> <u>(c) The escalation shall apply to all items of the Consultancy Contract, including remuneration of personnel, vehicle hire, office rent, consumables, furniture and other items forming part of the Consultancy Services.</u> <u>(d) Price escalation shall be payable only on the balance portion of the Consultancy Fee for the deliverables remaining pending beyond 3 years from the Award of the Consultancy. No price escalation shall be applicable to deliverables completed within the said 3-year period.</u> <u>(e) No price escalation shall be payable for any period of extension or continuation of the Consultancy Services attributable to any default, delay or failure on the part of the Consultant on such determination by the Authority.</u>
16	Section VI: ToR	1. General 1.1 The <Agency> has been entrusted with the assignment	1. General 1.1 The <Agency> has been entrusted with the assignment

	Cls 1.1 & 2.1 Pg 109	ignment of Consultancy Services for Preparation of DPR for development of in the State of and <Agency> now invites proposal from Technical consultants for carrying out detailed project report as per details given in Appendix-A. 2. Objective 2.1 The main objective of the consultancy service is to establish the technical, economical, and financial viability of the project and prepare detailed project reports for development of	of Consultancy Services for Preparation of DPR for developme nt of in the State of (Indicative Length: <... Km>) in the State of and <Agency> now invites prop osal from Technical consultants for carrying out detailed project report as per details given in Appendix-A. 2. Objective 2.1 The main objective of the consultancy service is to esta blish the technical, economical, and financial viability of the proj ect and prepare detailed project reports for development of ... (Indicative Length: <... Km>).														
17	Section VI: ToR Cls 3 Pg 110	1. Scope of Services The general scope of services is given in the sections th at follow. However, the entire scope of services would, i nter-alia, include the items mentioned in the Letter of In vitation, terms of reference, general contract and any s upplements and appendices to these documents.	1. Scope of Services The general scope of services is given in the sections that follo w. However, the entire scope of services would, inter-alia, inclu de the items mentioned in the terms of reference, general contr act and any supplements and appendices to these documents.														
18	Section VI: ToR Cls 7, S r. No.1 Pg 160	Time period envisaged for the study of the project is i ndicated in Annex-I to LOI. The final reports, drawings and documentation shall be completed within this time s chedule.	Time period envisaged for the study of the project is indicate d in Appendix-A, Sr. No. 3 'Schedule for submission of Report s and Documents'. The final reports, drawings and documenta tion shall be completed within this time schedule.														
19	Section VI: ToR Clause 4.6 Sr. No. 2 Pg 119 & Clause 10.1 Sr. No. 2 Pg 162	2. Data formats for report and investigation results i. Required data formats for some reports, inves tigations and documents are discussed in Error! Reference source not found. ...	2. Data formats for report and investigation results i. Required data formats for some reports, invest igations and documents are discussed in Enclos ure-IV. ...														
20	Section VI: ToR Clause 10 Sr. N o. 3 Pg 162	3. Consultants are also advised to refer to Error! Refer ence source not found. to understand any additional fo rmat and content requirements	3. Consultants are also advised to refer to Enclosure-IV, to un derstand any additional format and content requirements														
21	Multiple instances across the RFP.	Enclosure-A Man Months for Key Professional Staff Enclosure-B The minimum Qualification of the Key-Personnel shall be such that each key-personal shall score at least 70 p oints as per criteria stipulated in Section-VII. The cons ultant shall also submit the self-evaluation of the key- personnel along with referencing of the details on their respective Infracon CVs. Appendix A: Description of Services Sr. No. 3 - "Schedule for submission of Reports and Doc uments."	Following nomenclature shall be updated: - All instances of Enclosure-I -> Enclosure-A - All instances of Enclosure-II -> Enclosure-B All instances of Enclosure-III -> Clause 3 of Appendix A: "Desc ription of Services"														
22	Section VI-A En closure-A	<table> <tr> <th rowspan="2">Key Personnel</th><th colspan="3">Total Project Assignment: <to be kept as per costing guidelines></th></tr> <tr> <th>At site (% of man month)*</th><th>At design of fice (% of man month)*</th><th>Total Time (man month)*</th></tr> </table>	Key Personnel	Total Project Assignment: <to be kept as per costing guidelines>			At site (% of man month)*	At design of fice (% of man month)*	Total Time (man month)*	<table> <tr> <th rowspan="2">Key Personnel</th><th colspan="3">Total Project Assignment: <to be kept as per costing guidelines></th></tr> <tr> <th>At site (% of man m</th><th>At design offi ce (% of man</th><th>Total Time (ma n month)*</th></tr> </table>	Key Personnel	Total Project Assignment: <to be kept as per costing guidelines>			At site (% of man m	At design offi ce (% of man	Total Time (ma n month)*
Key Personnel	Total Project Assignment: <to be kept as per costing guidelines>																
	At site (% of man month)*	At design of fice (% of man month)*	Total Time (man month)*														
Key Personnel	Total Project Assignment: <to be kept as per costing guidelines>																
	At site (% of man m	At design offi ce (% of man	Total Time (ma n month)*														

Pg 288	1	Team Leader Cum Senior Highway Engineer	50%	50%	<to be kept as per costing guidelines>	1	Team Leader Cum Senior Highway Engineer	50%	50%	<to be kept as per costing guidelines>
	2	Senior Bridge Design Engineer	30%	70%		2	Senior Bridge Design Engineer	30%	70%	
	3	Highway Design Engineer	40%	60%		3	Highway Design Engineer	40%	60%	
	4	Material-cum-Geotechnical Engineer-Geologist	70%	30%		4	Geotechnical Engineer	50%	50%	
	5	Senior Survey Engineer	70%	30%		5	Material Engineer	70%	30%	
	6	Traffic and Road Safety expert	50%	50%		6	Senior Survey Engineer	70%	30%	
	7	Environmental Specialist	70%	30%		7	Traffic and Road Safety expert	50%	50%	
	8	Quantity Surveyor / Documentation Expert	40%	60%		8	Environmental Specialist	70%	30%	
	9	Land Acquisition Expert	80%	20%		9	Quantity Surveyor / Documentation Expert	40%	60%	
	10	Utility Expert	80%	20%		10	Land Acquisition Expert	80%	20%	
	11	Tunnel Design Expert	50%	50%		11	Utility Expert	80%	20%	
	12	Geophysicist	50%	50%		12	Tunnel Design Expert	50%	50%	
	Note: *May be modified by Technical Divisions as per project specific requirement with approval from Member Concerned.					13	Geophysicist	50%	50%	Note: *May be modified by Technical Divisions as per project specific requirement with approval from Member Concerned.
	3. The Consultant shall provide <u>one Land Acquisition Expert along with allied team and supporting logistic as envisaged in BOQ for each 100 km stretch proposed for DPR preparation or part thereof</u>					3. The Consultant shall provide <u>allied team and supporting logistic for each district along with Land Acquisition Expert for man months as defined in the BOQ.</u>				
23	Section VI-A Enclosure-B Pg 289	1. The minimum Qualification of the Key-Personnel shall be such that each key-personal shall score at least 70 points as per criteria stipulated in Section-VII. The consultant shall also submit the self-evaluation of the key-personnel along with referencing of the details on their respective Infracon CVs.				1. The minimum Qualification of the Key-Personnel shall be such that each key-personal shall score at least 70 points as per criteria stipulated in Section-VII. The consultant shall also submit the self-evaluation of the key-personnel along with referencing of the details on their respective Infracon CVs.				
	2. All the Key-Experts should have completed the following tabulated courses to be considered eligible for technical evaluation:				2. All the Key-Experts should have completed the following tabulated courses to be considered eligible for technical evaluation:					
	Position	Mandatory Course			Position	Mandatory Course				
	Team Leader cum Senior Highway Engineer				Deleted	Deleted				
	Senior Bridge Design Engineer				Traffic/Road Safety Expert	"It is mandatory to have completed at least 15 days 'certification course on Road Safety Audit from IAH or any other institute specifically approved by MoRTH. The CV of the proposed key personnel not having completed minimum 15 days certification course shall not be evaluated"				
	Highway Design Engineer				Note: (i) The age limit for key personnel shall be 65 years as on the date of bid submission except for the Land Acquisition Expert, for whom the age limit shall be 70 years as on the date of bid submission. The proof of age and qualification of the key personnel must be furnished in the technical proposal.					
	Environmental Specialist				(ii) Age limit for supporting staff to be deployed on project is 65 years as on the date of bid submission.					
	Material Engineer cum Geotechnical Engineer cum Geologist									
	Senior Survey Engineer									

		Survey Engineer "It is mandatory for the key personnel to have attended training course on "Preparation of Feasibility Study and DPR for Highway Projects" conducted by Indian Academy of Highway Engineers (IAHE) or any other institute specifically approved by MoRTH for minimum 6 days duration" Team Leader cum Senior Bridge Engineer Bridge Structural Engineer Team Leader cum Senior Tunnel Engineer Tunnel Design Expert Senior Geotechnical Engineer Senior Geophysicist Traffic/Road Signage/Marking and Safety Expert "It is mandatory to have completed at least 15 days' certification course on Road Safety Audit from IAHE or any other institute specifically approved by MoRTH. The CV of the proposed key personnel not having completed minimum 15 days certification course shall not be evaluated"																									
24	Section -VII (Evaluation/Scoring Criteria) Detailed Marking and Evaluation Scheme for Technical Proposal Pg 290 & Pg 291	 A1. Firm's Profile, turnover and professionals working with the firm (5) For standard highways, the following is the break-up: <table><thead><tr><th>S. No.</th><th>Description</th><th>Max. No. of Professionals</th></tr></thead><tbody><tr><td>1</td><td>Nos. of Key Professionals with the firm for more than 1 years*</td><td>3</td></tr><tr><td>....</td><td>....</td><td>....</td></tr><tr><td>....</td><td>....</td><td>....</td></tr></tbody></table> Note* 1. 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, <u>2 geotechnical Engineer</u> 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.	S. No.	Description	Max. No. of Professionals	1	Nos. of Key Professionals with the firm for more than 1 years*	3							 Further break-up of each criteria has been detailed out below: A1. Firm's Profile, turnover and professionals working with the firm (5) For standard highways, the following is the break-up: <table><thead><tr><th>S. No.</th><th>Description</th><th>Max. No. of Professionals</th></tr></thead><tbody><tr><td>1</td><td>Nos. of Key Professionals with the firm for more than 1 years*</td><td>3</td></tr><tr><td>....</td><td>....</td><td>....</td></tr><tr><td>....</td><td>....</td><td>....</td></tr></tbody></table> Note* 1. 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, <u>1 Geotechnical Engineer</u>, 2 Traffic/Road Safety Expert, <u>1 ATMS Expert and 1 Finance Expert</u> on employee roll at Head Office or Site Office of the Consultant to be eligible for marks in this criteria.	S. No.	Description	Max. No. of Professionals	1	Nos. of Key Professionals with the firm for more than 1 years*	3						
S. No.	Description	Max. No. of Professionals																									
1	Nos. of Key Professionals with the firm for more than 1 years*	3																									
....																											
....																											
S. No.	Description	Max. No. of Professionals																									
1	Nos. of Key Professionals with the firm for more than 1 years*	3																									
....																											
....																											

	2. The current Employment Certificate (not issued prior to the six months from the bid due date) shall be uploaded by Key Personnel on INFRACON. 3. <u>The applicants shall submit copies of Form-26AS/ TDS Certificate for last 12 months (starting from the month immediately preceding the month of bid due date) in the proposal in order to certify their permanent key Professionals.</u>	2. The current Employment Certificate (not issued prior to the six months from the bid due date) shall be uploaded by Key Personnel on INFRACON. 3. <u>The Applicants shall submit copies of Form-26AS/TDS Certificates for the latest available financial quarters and, for the remaining period, if any, duly certified salary slips or other verifiable employment records, to establish that the Key Professionals have been in employment with the Applicant for more than one year immediately preceding the Bid Due Date.</u>																																																																
	 B1. Material testing, survey and investigation, equipment and software proposed to be used (2.5) <table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Max Points</th> <th>Sub-Points</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Availability of minimum Material Testing Facilities with persons/resources having operational skills of the equipment - (as per details given below the table)</td> <td>0.5</td> <td>=</td> </tr> <tr> <td>1.1</td> <td>Owned* (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement</td> <td>=</td> <td>0.5</td> </tr> <tr> <td>1.2</td> <td>Not available</td> <td></td> <td>0</td> </tr> <tr> <td colspan="4">* Shall be ascertained through the ownership evidence uploaded on INFRACON in regard to major equipment required for testing of materials to be used for construction of Highway Project.</td> </tr> <tr> <td>2</td> <td>Availability of minimum Field Investigation Facilities with persons/resources having operational skills of the equipment (as per details given below the table)</td> <td>0.50</td> <td></td> </tr> <tr> <td>2.1</td> <td>Owned** (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement</td> <td></td> <td>0.50</td> </tr> <tr> <td>2.2</td> <td>Not available</td> <td></td> <td>0</td> </tr> </tbody> </table> D. Qualification and relevant experience of the proposed key personnel (40)	S. No.	Description	Max Points	Sub-Points	1	Availability of minimum Material Testing Facilities with persons/resources having operational skills of the equipment - (as per details given below the table)	0.5	=	1.1	Owned* (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	=	0.5	1.2	Not available		0	* Shall be ascertained through the ownership evidence uploaded on INFRACON in regard to major equipment 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	2.2	Not available		0	 B1. Material testing, survey and investigation, equipment and software proposed to be used (2.5) <table border="1"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Max Points</th> <th>Sub-Points</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Availability of minimum Material Testing Facilities with persons/resources having operational skills of the equipment - (as per details given below the table)</td> <td>0.25</td> <td>=</td> </tr> <tr> <td>1.1</td> <td>Owned* (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement</td> <td>=</td> <td>0.25</td> </tr> <tr> <td>1.2</td> <td>Not available</td> <td></td> <td>0</td> </tr> <tr> <td colspan="4">* Shall be ascertained through the ownership evidence uploaded on INFRACON in regard to major equipment required for testing of materials to be used for construction of Highway Project.</td> </tr> <tr> <td>2</td> <td>Availability of minimum Field Investigation Facilities with persons/resources having operational skills of the equipment (as per details given below the table)</td> <td>0.25</td> <td></td> </tr> <tr> <td>2.1</td> <td>Owned** (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement</td> <td></td> <td>0.25</td> </tr> <tr> <td>2.2</td> <td>Not available</td> <td></td> <td>0</td> </tr> </tbody> </table> D. Qualification and relevant experience of the proposed key personnel (60)	S. No.	Description	Max Points	Sub-Points	1	Availability of minimum Material Testing Facilities with persons/resources having operational skills of the equipment - (as per details given below the table)	0.25	=	1.1	Owned* (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	=	0.25	1.2	Not available		0	* Shall be ascertained through the ownership evidence uploaded on INFRACON in regard to major equipment 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)	0.25		2.1	Owned** (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement		0.25	2.2	Not available		0
S. No.	Description	Max Points	Sub-Points																																																															
1	Availability of minimum Material Testing Facilities with persons/resources having operational skills of the equipment - (as per details given below the table)	0.5	=																																																															
1.1	Owned* (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	=	0.5																																																															
1.2	Not available		0																																																															
* Shall be ascertained through the ownership evidence uploaded on INFRACON in regard to major equipment 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																																																															
2.2	Not available		0																																																															
S. No.	Description	Max Points	Sub-Points																																																															
1	Availability of minimum Material Testing Facilities with persons/resources having operational skills of the equipment - (as per details given below the table)	0.25	=																																																															
1.1	Owned* (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement	=	0.25																																																															
1.2	Not available		0																																																															
* Shall be ascertained through the ownership evidence uploaded on INFRACON in regard to major equipment 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)	0.25																																																																
2.1	Owned** (Available In House) or Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement		0.25																																																															
2.2	Not available		0																																																															
25	Section VII: Evaluation / Scoring Criteria Pg 292 A2. Firm's relevant experience in last 10 years for DPR work (30) <u>For Normal Highway Projects</u> Note: ... 3. For Projects of Cost <=500 CR <u>and upto 1000 Cr</u> (Excluding GST and Excluding Land Cost), Only 1 JV partner allowed meeting at least 40% minimum eligibility criteria. Lead Partner to meet 60% eligibility criteria. 4. <u>For Projects of Cost >1000 Cr (Excluding Land Cost), Only 1 JV partner allowed who should be an international firm of repute i.e. having experience of DPR of Highway for multilateral agencies such as ADB/World Bank/JICA with aggregate length equal to or greater than DPR length under bidding besides meeting at least 40% minimum eligibility criteria. Lead Partner to meet 60% eligibility criteria.</u>	A2. Firm's relevant experience in last 10 years for DPR work (30) <u>For Normal Highway Projects</u> Note: ... 3. For Projects of Cost <=500 CR (Excluding GST and Excluding Land Cost), Only 1 JV partner allowed meeting at least 40% minimum eligibility criteria. Lead Partner to meet 60% eligibility criteria. <u>For Projects of Cost >500 Cr (Excluding GST and Excluding Land Cost), Only 1 JV partner allowed meeting at least 50% minimum eligibility criteria. Lead Partner to meet 75% eligibility criteria.</u> 4. <u>Deleted</u>																																																																
26	Section D-1 Normal Highway Project:	D-1 Normal Highway Project:																																																																

VII

Table D-1 & D-2

Pg 297-298

S.No.	Key personnel	Proposed Points	S.No.	Key personnel	Proposed Points
1	Team Leader cum Senior Highway Engineer	12	1	Team Leader cum Senior Highway Engineer	12
2	Senior Bridge Design Engineer	10	2	Senior Bridge Design Engineer	10
3	Highway Design Engineer	7.5	3	Highway Design Engineer	7.5
4	Traffic / Road Signage / Marking and Safety Expert	7	4	Traffic / Road Signage / Marking and Safety Expert	7
5	Environmental Specialist	4	5	Environmental Specialist	4
6	<u>Material-cum-Geo-technical Engineer*</u>	4.5	6	<u>Geotechnical Engineer</u>	4.5
7	Senior Survey Engineer	4.5	7	<u>Material Engineer</u>	2.5
8	Quantity Surveyor / Documentation Expert	2.5	8	Senior Survey Engineer	4
9	Land Acquisition Expert	4	9	Quantity Surveyor / Documentation Expert	2
10	Utility Expert*	2	10	Land Acquisition Expert	3
11	Tunnel Design Expert	1	11	Utility Expert	1.5
12	Geophysicist	1	12	Tunnel Design Expert**	1
	Total	60	13	Geophysicist**	1
				Total	60

Note:

1. In case tunnels are proposed in the final alignment approved by the Authority then only the deployment of Tunnel Design Expert and Geophysicist would be done along with start of any tunnel specific geotechnical investigations by the DPR Consultant only on written instructions of the Authority for the same. The site/design office duration of the same shall also be approved by Authority based on its requirements. Further, the cost of DPR is exclusive of the cost of tunnel specific key-personnel as well as the tunnel specific geotechnical investigations. The same shall be reimbursed as per rates given below:

- Additional Cost for Tunnel Design Expert @ Rs. 5,00,000 per month for 4 months
- Additional Cost for Senior Geophysicist @ Rs. 3,50,000 per month for 4 months
- Payment for geophysical investigation shall be made at the rate of Rs. 20 lakh for each 500 m length of tunnel

2. For Projects in Hilly/Mountainous terrain, Material-cum-Geo-technical Engineer is to be replaced by Senior Geomatics Expert and Utility Expert is to be replaced by Senior Hydrology and Hydraulics Expert @ Rs. 3,50,000 per month for each key-position for 4 months each.

D-2 Standalone Bridge/Structure Project

S.No.	Key personnel	Proposed Points
1	Team Leader cum Bridge Engineer	15
2	Highway cum Pavement Engineer	10
3	Bridge Structural Engineer	12
4	<u>Material Cum Geotechnical Engineer</u>	6
5	Environmental Specialist	5
6	Senior Geotechnical Engineer	9
7	Quantity Surveyor/Documentation Expert	3
	Total	60

Note:

1. In case tunnels are proposed in the final alignment approved by the Authority then only the deployment of Tunnel Design Expert and Geophysicist would be done along with start of any tunnel specific geotechnical investigations by the DPR Consultant only on written instructions of the Authority for the same. The site/design office duration of the same shall also be approved by Authority based on its requirements. Further, the cost of DPR is exclusive of the cost of tunnel specific key-personnel as well as the tunnel specific geotechnical investigations. The same shall be reimbursed as per rates given below:

- Additional Cost for Tunnel Design Expert @ Rs. 5,00,000 per month for 4 months
- Additional Cost for Senior Geophysicist @ Rs. 3,50,000 per month for 4 months
- Payment for geophysical investigation shall be made at the rate of Rs. 20 lakh for each 500 m length of tunnel

2. For Projects in Hilly/Mountainous terrain, Senior Geomatics Expert, Senior Hydrology & Hydraulics Expert and Senior Geophysicist shall be additionally provided for the specialised requirements of hill-road projects @ Rs. 3,50,000 per month for each key-position for 4 months each.

3**. In projects involving hilly/mountainous terrain where tunnel alternatives may require examination during alignment studies, the provisions relating to Tunnel Design Expert and Geophysicist under Table D-1 shall be applicable. In such cases, the proposed points assigned to Tunnel Design Expert and Geophysicist shall be considered for evaluation. For all other highway projects, the said key positions shall not be considered for evaluation and the corresponding 2 points shall be redistributed among the other applicable Key Personnel.

D-2 Standalone Bridge/Structure Project

S.No.	Key personnel	Proposed Points
1	Team Leader cum Bridge Engineer	15
2	Highway cum Pavement Engineer	10
3	Bridge Structural Engineer	12
4	<u>Material Engineer</u>	6
5	Environmental Specialist	5
6	Senior Geotechnical Engineer	9

				7	Quantity Surveyor/Documentation Expert	3																							
					Total	60																							
27	Section VII, D. Qualification and relevant experience of the proposed key personnel (40) Pg 297				Qualification/Evaluation Criteria for below mentioned key personnel enclosed as Annexure-A • Senior E&M Expert • Senior Geologist																								
28	Section VII, Table B-2 Experience in use of technology (2.5) Notes Pg 297	ii. The experience of firm/sub-consultant Any false certification shall attract provisions of <u>Clause 1.8, Section -2 (letter of Invitation) read with Clause 2.9.1(g) of GCC.</u>		ii. The experience of firm/sub-consultant Any false certification shall attract provisions of <u>Clause 1.5 (x) of Section-II (ITC) read with Clause 9.9.1 (d) of GCC.</u>																									
29	Section VII: Evaluation / Scoring Criteria Marking Scheme for Key Personnel (60 marks) Pg 299 - 320	Desirable / General Qualification (For Team Leader cum Senior Highway Engineer, Highway Design Engineer, Traffic/Road Signage/Marking and Safety Expert, Environment Specialist, Quantity Surveyor/Documentation Expert, Land Acquisition Expert, Utility Expert,) <table><tr><th>Sr. No.</th><th>Description</th><th>Max. Points</th></tr><tr><td>I</td><td>General Qualification</td><td>25</td></tr><tr><td>i)</td><td>Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For Institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u></td><td><u>15</u></td></tr><tr><td>ii)</td><td>Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give</u></td><td><u>10</u></td></tr></table>	Sr. No.	Description	Max. Points	I	General Qualification	25	i)	Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For Institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u>	<u>15</u>	ii)	Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give</u>	<u>10</u>		Desirable / General Qualification (For Team Leader cum Senior Highway Engineer, Highway Design Engineer, Traffic/Road Signage/Marking and Safety Expert, Environment Specialist, Quantity Surveyor/Documentation Expert, Land Acquisition Expert, Utility Expert,) <table><tr><th>Sr. No.</th><th>Description</th><th>Max. Points</th></tr><tr><td>I</td><td>General Qualification</td><td>25</td></tr><tr><td>i)</td><td>Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 100</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u></td><td><u>20</u></td></tr><tr><td>ii)</td><td>Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 100</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 3.75 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 2.5 marks</u></td><td><u>10</u></td></tr></table>	Sr. No.	Description	Max. Points	I	General Qualification	25	i)	Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 100</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u>	<u>20</u>	ii)	Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 100</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 3.75 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 2.5 marks</u>	<u>10</u>	
Sr. No.	Description	Max. Points																											
I	General Qualification	25																											
i)	Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For Institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u>	<u>15</u>																											
ii)	Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give</u>	<u>10</u>																											
Sr. No.	Description	Max. Points																											
I	General Qualification	25																											
i)	Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 100</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u>	<u>20</u>																											
ii)	Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 100</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 3.75 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 2.5 marks</u>	<u>10</u>																											
					Desirable / General Qualification (For Senior Bridge Design En																								

		ve 50% marks i.e. 7.5 marks			gineer, Team Leader cum Senior Bridge Engineer, Bridge Structural Engineer, Team Leader cum Senior Tunnel Engineer, Tunnel Design Expert, Senior Geotechnical Engineer, Senior Geophysicist, Senior Geomatics Expert, Senior Hydrology and Hydraulics Expert)																		
		Desirable / General Qualification (For Senior Bridge Design Engineer, Team Leader cum Senior Bridge Engineer, Bridge Structural Engineer, Team Leader cum Senior Tunnel Engineer, Tunnel Design Expert, Senior Geotechnical Engineer, Senior Geophysicist, Senior Geomatics Expert, Senior Hydrology and Hydraulics Expert)																					
		<table><tr><th>Sr. No.</th><th>Description</th><th>Max. Points</th></tr><tr><td>I</td><td>General Qualification</td><td>30</td></tr><tr><td>i)</td><td>Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u></td><td>15</td></tr><tr><td>ii)</td><td>Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u></td><td>15</td></tr></table>	Sr. No.	Description	Max. Points	I	General Qualification	30	i)	Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u>	15	ii)	Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u>	15									
Sr. No.	Description	Max. Points																					
I	General Qualification	30																					
i)	Full/Part Time Graduation in from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u>	15																					
ii)	Post-Graduation Full/Part Time/Regular Post-Graduation in or equivalent from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. <u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u> <u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</u>	15																					
30	Section - VII, Marking Scheme for Key-Personnel (60 marks) Sr. No. 4 - Traffic / Road Signage / Marking and Safety Expert Pg 303	II.			II. <u>Relevant Experience & Adequacy for the Project</u>																		
31	Section - VII, Marking Scheme for Key-Personnel (60 marks)	7. SENIOR SURVEY ENGINEER		7. SENIOR SURVEY ENGINEER																			
		<table><tr><th>S. No.</th><th>Description</th><th>Max. Points</th></tr><tr><td>I</td><td>Desirable Qualification</td><td>25</td></tr><tr><td>i)</td><td><u>For Full/Part Time Diploma in Civil Engg or Diploma in Surveying or equivalent from an</u></td><td>18</td></tr></table>	S. No.	Description	Max. Points	I	Desirable Qualification	25	i)	<u>For Full/Part Time Diploma in Civil Engg or Diploma in Surveying or equivalent from an</u>	18		<table><tr><th>S. No.</th><th>Description</th><th>Max. Points</th></tr><tr><td>I</td><td>Desirable Qualification</td><td>25</td></tr><tr><td>i)</td><td><u>Full Time/Regular Diploma in Civil Engineering, Survey Engineering, Surveying, Geomatics Engineeri</u></td><td>20</td></tr></table>	S. No.	Description	Max. Points	I	Desirable Qualification	25	i)	<u>Full Time/Regular Diploma in Civil Engineering, Survey Engineering, Surveying, Geomatics Engineeri</u>	20	
S. No.	Description	Max. Points																					
I	Desirable Qualification	25																					
i)	<u>For Full/Part Time Diploma in Civil Engg or Diploma in Surveying or equivalent from an</u>	18																					
S. No.	Description	Max. Points																					
I	Desirable Qualification	25																					
i)	<u>Full Time/Regular Diploma in Civil Engineering, Survey Engineering, Surveying, Geomatics Engineeri</u>	20																					

Sr. No. 7. SENIOR SURVEY ENGINEER Pg 306 - 308	<u>by IIT/NIT/IISC or Top 50 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks</u>			25	<u>ng. Geospatial Technology or equivalent qualification recognized by the State Board of Technical Education.</u>			25
	<u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 13.5 marks.</u>				<u>For Diploma qualifications obtained from Government Institutions/Polytechnics or institutions of repute of Foreign Countries, give full marks.</u>			
ii)	<u>For other govt. approved colleges give 50% marks i.e. 9 marks.</u>			25	<u>For Diploma qualifications obtained from other Government approved institutions, give 75% marks i.e. 15 marks.</u>			25
	<u>Full/Part Time/Part Time Graduation or Post Graduation in Civil Engineering from any IIT/NIT/IISC or Top 50 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks</u>				<u>Graduation in Civil Engineering, Survey Engineering.</u>			
ii)	<u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 18.75 marks.</u>			25	<u>For govt./AICTE approved colleges or Engineering Colleges of repute of Foreign Countries give full marks</u>			25
	<u>For other AICTE approved colleges give 50% marks i.e. 12.5 marks.</u>							
32	Section - VII,	6. MATERIAL ENGINEER cum GEOTECHNICAL ENGINEER cum GEOLOGIST			6. Geotechnical Engineer			
Marking Scheme for Key-Personnel (60 marks)	S. No.	Description	Max. Points		S. No.	Description	Max. Points	
	I	Desirable Qualification	25		I	Desirable Qualification	25	
Sr. No. 6. Material Engineer cum Geotechnical Engineer cum Geologist	i)	Full/Part Time Graduation in Civil Engineering or Equivalent or M.Sc. in Geology from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks.	15		i)	Full/Part Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC or <u>Top 100</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks.	20	
		<u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 11.25 marks.</u>				<u>For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 15 marks.</u>		
Pg 305 - 306		<u>For other AICTE approved colleges give 50% marks i.e. 7.5 marks.</u>				<u>For other AICTE approved colleges give 50% marks i.e. 10 marks</u>		
	ii)	Post Graduation			ii)	Post Graduation	05	
		Full/Part Time/Regular Post-Graduation in Foundation Engineering / Soil Mechanics / Geo Tech Engineering or Phd in Geology.	10			Full/Part Time/Regular Post-Graduation in Foundation Engineering / Soil Mechanics / Geotechnical Engineering / Rock Mechanics / Engineering Geology or equivalent.		
		For PG/Doctorate from any IIT/NIT/IISC or <u>Top 50</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks				For PG from any IIT/NIT/IISC or <u>Top 100</u> ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks.		
		<u>For institutes ranked between 51-100 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 7.5 marks.</u>				<u>For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks i.e. 3.75 marks.</u>		
		<u>For other AICTE approved colleges give 50% marks i.e. 5 marks</u>				<u>For other AICTE approved colleges give 50% marks i.e. 2.5 marks</u>		
	II	Relevant Experience & Adequacy for the Project	70		II	Relevant Experience & Adequacy for the Project	70	
		a) Total Professional Experience	15		a)	Total Professional Experience	15	
		<10 years	0			<10 years	0	
		10-12 years	11			10-12 years	11	
		>12-15 years	13			>12-15 years	13	
		>15 years	15			>15 years	15	

		<table><tr><td>a)</td><td colspan="2">Total Professional Experience</td><td>15</td></tr><tr><td></td><td><10 years</td><td>0</td><td></td></tr><tr><td></td><td>10-12 years</td><td>11</td><td></td></tr><tr><td></td><td>>12-15 years</td><td>13</td><td></td></tr><tr><td></td><td>>15 years</td><td>15</td><td></td></tr><tr><td>b)</td><td colspan="2">Experience in Highway Projects-In Similar Projects (2/4/6 laning of NH/SH/Expressways) in design and or Construction/ Construction Supervision</td><td>20</td></tr><tr><td></td><td><7 years</td><td>0</td><td></td></tr><tr><td></td><td>7-10 years</td><td>15</td><td></td></tr><tr><td></td><td>>10 -12 years</td><td>17.50</td><td></td></tr><tr><td></td><td>>12years</td><td>20</td><td></td></tr><tr><td>c)</td><td colspan="2">Experience as <u>Material cum Geo-technical Engineer</u> or in Similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 120 km)</td><td>20</td></tr><tr><td></td><td><120km</td><td>0</td><td></td></tr><tr><td></td><td>120km-200km</td><td>15</td><td></td></tr><tr><td></td><td>>200km - 300km</td><td>17.50</td><td></td></tr><tr><td></td><td>>300km</td><td>20</td><td></td></tr><tr><td>d)</td><td colspan="2">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</td><td>15</td></tr><tr><td></td><td><u><1 Projects</u></td><td>0</td><td></td></tr><tr><td></td><td><u>1-2 Projects</u></td><td>10</td><td></td></tr><tr><td></td><td><u>> 2 projects</u></td><td>15</td><td></td></tr><tr><td>III</td><td colspan="2">Employment with Firm</td><td>5</td></tr><tr><td></td><td><1 year</td><td>0</td><td></td></tr><tr><td></td><td>1 year</td><td>2</td><td></td></tr><tr><td></td><td colspan="2">Add 1 marks for each subsequent year s subject to maximum of 3 additional marks</td><td></td></tr><tr><td></td><td colspan="2"></td><td>100</td></tr></table>	a)	Total Professional Experience		15		<10 years	0			10-12 years	11			>12-15 years	13			>15 years	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			7-10 years	15			>10 -12 years	17.50			>12years	20		c)	Experience as <u>Material cum Geo-technical Engineer</u> or in Similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 120 km)		20		<120km	0			120km-200km	15			>200km - 300km	17.50			>300km	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		<u><1 Projects</u>	0			<u>1-2 Projects</u>	10			<u>> 2 projects</u>	15		III	Employment with Firm		5		<1 year	0			1 year	2			Add 1 marks for each subsequent year s subject to maximum of 3 additional marks						100	<table><tr><td>b)</td><td>Experience in Highway Projects-In Similar Projects (2/4/6 laning of NH/SH/Expressways) in design and or Construction/ Construction Supervision</td><td>20</td></tr><tr><td></td><td><7 years</td><td>0</td></tr><tr><td></td><td>7-10 years</td><td>15</td></tr><tr><td></td><td>>10-12 years</td><td>17.50</td></tr><tr><td></td><td>>12 years</td><td>20</td></tr><tr><td>c)</td><td>Experience as <u>Geotechnical Engineer</u> or in Similar Capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways). (Minimum aggregate length 120 km)</td><td>20</td></tr><tr><td></td><td><120km</td><td>0</td></tr><tr><td></td><td>120km-200km</td><td>15</td></tr><tr><td></td><td>>200km - 300km</td><td>17.50</td></tr><tr><td></td><td>>300km</td><td>20</td></tr><tr><td>d)</td><td><u>For Plain/Rolling Terrain: Experience in geotechnical investigations, analysis and design of embankments, cuttings, slopes, foundations of structures and ground improvement measures in highway projects.</u> <u>For Hilly/Mountainous Terrain:</u> Experience in similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) in DPR preparation of slope protection measures and landslide management in hill roads. (Traditional protection works such as retaining wall, breast wall and gabion wall shall not be considered) Please mention the geotechnical works / slope protection works and landslide management measures undertaken in each project.</td><td>15</td></tr><tr><td></td><td><u><2 Project</u></td><td>0</td></tr><tr><td></td><td><u>2-5 Projects</u></td><td>10</td></tr><tr><td></td><td><u>>5 Projects</u></td><td>15</td></tr><tr><td>III</td><td>Employment with Firm</td><td>5</td></tr><tr><td></td><td><1 year</td><td>0</td></tr><tr><td></td><td>1 year</td><td>2</td></tr><tr><td></td><td colspan="2">Add 1 mark for each subsequent year subject to maximum of 3 additional marks</td><td></td></tr><tr><td>To tal</td><td colspan="2"></td><td>100</td></tr></table>	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		7-10 years	15		>10-12 years	17.50		>12 years	20	c)	Experience as <u>Geotechnical Engineer</u> or in Similar Capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways). (Minimum aggregate length 120 km)	20		<120km	0		120km-200km	15		>200km - 300km	17.50		>300km	20	d)	<u>For Plain/Rolling Terrain: Experience in geotechnical investigations, analysis and design of embankments, cuttings, slopes, foundations of structures and ground improvement measures in highway projects.</u> <u>For Hilly/Mountainous Terrain:</u> Experience in similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) in DPR preparation of slope protection measures and landslide management in hill roads. (Traditional protection works such as retaining wall, breast wall and gabion wall shall not be considered) Please mention the geotechnical works / slope protection works and landslide management measures undertaken in each project.	15		<u><2 Project</u>	0		<u>2-5 Projects</u>	10		<u>>5 Projects</u>	15	III	Employment with Firm	5		<1 year	0		1 year	2		Add 1 mark for each subsequent year subject to maximum of 3 additional marks			To tal			100
a)	Total Professional Experience		15																																																																																																																																																											
	<10 years	0																																																																																																																																																												
	10-12 years	11																																																																																																																																																												
	>12-15 years	13																																																																																																																																																												
	>15 years	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																																																																																																																																																												
	7-10 years	15																																																																																																																																																												
	>10 -12 years	17.50																																																																																																																																																												
	>12years	20																																																																																																																																																												
c)	Experience as <u>Material cum Geo-technical Engineer</u> or in Similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 120 km)		20																																																																																																																																																											
	<120km	0																																																																																																																																																												
	120km-200km	15																																																																																																																																																												
	>200km - 300km	17.50																																																																																																																																																												
	>300km	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																																																																																																																																																											
	<u><1 Projects</u>	0																																																																																																																																																												
	<u>1-2 Projects</u>	10																																																																																																																																																												
	<u>> 2 projects</u>	15																																																																																																																																																												
III	Employment with Firm		5																																																																																																																																																											
	<1 year	0																																																																																																																																																												
	1 year	2																																																																																																																																																												
	Add 1 marks for each subsequent year s subject to maximum of 3 additional marks																																																																																																																																																													
			100																																																																																																																																																											
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																																																																																																																																																												
	7-10 years	15																																																																																																																																																												
	>10-12 years	17.50																																																																																																																																																												
	>12 years	20																																																																																																																																																												
c)	Experience as <u>Geotechnical Engineer</u> or in Similar Capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways). (Minimum aggregate length 120 km)	20																																																																																																																																																												
	<120km	0																																																																																																																																																												
	120km-200km	15																																																																																																																																																												
	>200km - 300km	17.50																																																																																																																																																												
	>300km	20																																																																																																																																																												
d)	<u>For Plain/Rolling Terrain: Experience in geotechnical investigations, analysis and design of embankments, cuttings, slopes, foundations of structures and ground improvement measures in highway projects.</u> <u>For Hilly/Mountainous Terrain:</u> Experience in similar capacity on Highway Projects (2/4/6 laning of NH/SH/Expressways) in DPR preparation of slope protection measures and landslide management in hill roads. (Traditional protection works such as retaining wall, breast wall and gabion wall shall not be considered) Please mention the geotechnical works / slope protection works and landslide management measures undertaken in each project.	15																																																																																																																																																												
	<u><2 Project</u>	0																																																																																																																																																												
	<u>2-5 Projects</u>	10																																																																																																																																																												
	<u>>5 Projects</u>	15																																																																																																																																																												
III	Employment with Firm	5																																																																																																																																																												
	<1 year	0																																																																																																																																																												
	1 year	2																																																																																																																																																												
	Add 1 mark for each subsequent year subject to maximum of 3 additional marks																																																																																																																																																													
To tal			100																																																																																																																																																											
33	Section - VII, Marking Scheme for Key-Personnel (60 marks)	-New-	<table><tr><td colspan="3">MATERIAL ENGINEER</td></tr><tr><td>S</td><td>Description</td><td>Max. Points</td></tr><tr><td>I</td><td>Desirable Qualification</td><td>25</td></tr><tr><td>i)</td><td>Full/Part Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC or Top 100 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks. For other AICTE approved colleges give 50% marks.</td><td>20</td></tr><tr><td>ii)</td><td>Post Graduation -- Full/Part Time/Regular Post-Graduation in Construction Materials and Management / Material S</td><td>5</td></tr></table>	MATERIAL ENGINEER			S	Description	Max. Points	I	Desirable Qualification	25	i)	Full/Part Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC or Top 100 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks. For other AICTE approved colleges give 50% marks.	20	ii)	Post Graduation -- Full/Part Time/Regular Post-Graduation in Construction Materials and Management / Material S	5																																																																																																																																												
MATERIAL ENGINEER																																																																																																																																																														
S	Description	Max. Points																																																																																																																																																												
I	Desirable Qualification	25																																																																																																																																																												
i)	Full/Part Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC or Top 100 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks. For other AICTE approved colleges give 50% marks.	20																																																																																																																																																												
ii)	Post Graduation -- Full/Part Time/Regular Post-Graduation in Construction Materials and Management / Material S	5																																																																																																																																																												

	science or equivalent. For PG from any IIT/NIT/IISC or Top 100 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For institutes ranked between 101-150 as per NIRF ranking released by Ministry of Education (available as on bid due date) give 75% marks. For other AICTE approved colleges give 50% marks.	
II Relevant Experience & Adequacy for the Project		70
a Total Professional Experience		15
<10 years		0
10-12 years		11
>12-15 years		13
>15 years		15
b Experience in Highway Projects - Experience in design and/or construction/construction supervision of highway projects including 2/4/6 laning of NH/SH/Expressways.		20
<7 years		0
7-10 years		15
>10-12 years		17.50
>12 years		20
c Experience as Material Engineer or in Similar Capacity on Highway Projects involving investigation, evaluation, testing and characterisation of construction and pavement materials, including aggregates, bituminous materials, granular materials, soil, cement and concrete, and experience in mix design and quality control/quality assurance.		20
<7 years		0
7-10 years		15
>10-12 years		17.50
>12 years		20
d Experience in Similar Capacity in preparation of DPR/Feeability Study of highway projects involving pavement material investigation, material source identification, laboratory/field testing, pavement material characterisation, mix design and material recommendations.		15
<2 Project		0
2-4 Projects		10
>4 Projects		15
II Employment with Firm		5
<1 year		0
1 year		2
Add 1 mark for each subsequent year subject to maximum of 3 additional marks		
Total		100

34	Section - VII, Marking Scheme for Key-Personnel (60 marks) Sr. No. 12 - Bridge Structural Engineer Pg 313	Experience as Senior Bridge 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 200m) <2 Projects 2-3 Projects 4-6 Projects 7-9 Projects 10-12 Projects >12 Projects	0 10 12 15 18 20	Experience as Senior Bridge 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 200m) <2 Projects 2-3 Projects 4-6 Projects 7-9 Projects 10-12 Projects >12 Projects	0 15 18 22 27 30
35	Section VII Marking Scheme for Current DPR Rating (30 points) Pg 321	Marking Scheme for Current DPR Rating (30 points) For Normal Highway Projects: S No. Current DPR Rating for Normal Highway projects as on bid due date 1. 100-90 2. 90-80 3. 80-70 4. 70-60 5. Less than 60 For Standalone Bridge Projects: S No. Current DPR Rating for Standalone Bridge projects as on bid due date 1. 100-95 2. 95-90 3. 90-85 4. 85-80 5. Less than 80 For Standalone Tunnel Projects: S No. Current DPR Rating for Standalone Tunnel projects as on bid due date 1. 90-100 2. 90-80 3. 80-70 4. 70-60 5. Less than 60	Max Points 30 20 15 10 0 Max Points 30 20 15 10 0 Max Points 30 20 15 10 0	Marking Scheme for Current DPR Rating (40 points) For Normal Highway Projects: S No. Current DPR Rating for Normal Highway projects as on bid due date 1. ≥ 80 2. ≥ 75 and < 80 3. ≥ 70 and < 75 4. ≥ 65 and < 70 5. ≥ 60 and < 65 5. ≥ 55 and < 60 5. < 55 For Standalone Bridge Projects: S No. Current DPR Rating for Normal Highway projects as on bid due date 1. ≥ 80 2. ≥ 75 and < 80 3. ≥ 70 and < 75 4. ≥ 65 and < 70 5. ≥ 60 and < 65 5. ≥ 55 and < 60 5. < 55 For Standalone Tunnel Projects: S No. Current DPR Rating for Normal Highway projects as on bid due date 1. ≥ 80 2. ≥ 75 and < 80 3. ≥ 70 and < 75 4. ≥ 65 and < 70 5. ≥ 60 and < 65 5. ≥ 55 and < 60 5. < 55	Max Points 40 35 30 25 20 15 0 Max Points 40 35 30 25 20 15 0 Max Points 40 35 30 25 20 15 0
36	Section VII Pg 322	Assumptions to be made regarding Similar Capacity for various positions 1. Team Leader Note: While carrying out evaluation This shall be applicable for evaluation of all key personnel.		Assumptions to be made regarding Similar Capacity for various positions 1. Team Leader Note: (i) While carrying out evaluation This shall be applicable for evaluation of all key personnel. (ii) In case of Government Organizations, where the designation of the position differs from the designation specified above, such position may be considered as equivalent where it carries a similar Pay Scale and Grade Pay, as applicable.	
37	Form T-11 Pg 341	Form-T11: Format for submission of Residual DPR Bid Capacity "R" (TO BE FILLED BY THE SOLE CONSULTANT & IN CASE OF JV, SEPARATELY BY JV PARTNERS BIDDING FOR THE ASSIGNMENT)		Deleted	

102

38	Appendix C - Cost Estimate Pg 382	No escalation will be payable during the services.	Price escalation, where applicable, shall be governed by GCC Clause 10.1.3 as modified through the Special Conditions of Contract.
39	Appendix C - Remuneration Cost Estimates Financial Quote of H1 bidder (QCBS mode) / Cost Estimate by Tender Issuing Authority (QBS mode) (Normal Highway Projects with Tunnels) Pg 390	Payment for geophysical investigation shall be made at the rate of Rs. 20 lakh for each tunnel of 500m length. (consider 2 tunnel of 700 m and 800 m in project)	**Payment for geophysical investigation shall be made at the rate of Rs. 20 lakh for each tunnel of 500m length. (consider 2 tunnel of 700 m and 800 m in project) Note**: <u>This is an approximate estimate based on projected inputs for the project. However, payment shall be made based on the actual surveys / investigations carried out, in accordance with the prescribed frequency and rates as per Annexure-I of the RFP.</u>
40	Appendix C: Remuneration Cost Estimates Pg 384, 387-389	Note under Summary of Cost in Local Currency - *** This is an approximate estimate based on estimated input for the project. <u>However, the payment shall be done as per actual survey/investigation done subject to condition that positive variation of upto 10% variation would be borne by the consultant.</u> Note at IX-A, IX-B, IX-C & X - <u>"To paid as per actual survey subject to condition that positive variation of upto 10% variation would be borne by the consultant."</u>	Note under Summary of Cost in Local Currency - *** This is an approximate estimate based on estimated input for the project. <u>However, the payment shall be done as per actual survey/investigation done.</u> Note at IX-A, IX-B, IX-C & X - <u>"To paid as per actual survey/investigation done"</u>
41	Appendix C - Remuneration Cost Estimates, Cost Estimate by Tender Issuing Authority (QBS mode) Pg 388	To be done as per frequency and rates as per Annexure- I of RFP. Provisional Sum to be taken as per costing guidelines Note: Payment shall be made on the actual quantity of boring at rates given in <u>Enclosure-V</u> subject to condition that positive variation of upto 10% variation would be borne by the consultant. Note: * Quantities of boring shall be taken from Annexure-A to Annexure-I However, Payment shall be made on the actual quantity of boring at rates provided in Annexure-I..	To be done as per frequency and rates as per Annexure- I of RFP. Provisional Sum to be taken as per costing guidelines Note: Payment shall be made on the actual quantity of boring at rates given in <u>Annexure-I</u> subject to condition that positive variation of upto 10% variation would be borne by the consultant. Note: * Quantities of boring shall be taken from Annexure-A to Annexure-I However, Payment shall be made on the actual quantity of boring at rates provided in Annexure-I..
42	Appendix C - Remuneration Cost Estimates, Financial Quote of H1 bidder (QCBS mode)	IX. Survey and Investigation C. GPR Description Unit Quantity Rate Amount (INR)	IX. Survey and Investigation C. GPR Description Unit Quantity Rate Amount (INR) 1 GPR Survey for detection by the consultant

[illegible]

Note - "Annexure A" & "Enclosure-IV" referred above are attached below.

time period for the DPR Consultancy assignment shall be in two parts:

Part-II - DPR Preparation Stage:

- (ii) The notification under Section 3(A) of the National Highways Act, 1956 shall be completed within 45 days from the date of approval of the alignment .”

Evaluation Criteria for Senior Geologist

12

	marks]	
ii)	Doctorate in any specialisation related to Tunnelling such as Rock Mass Characterisation/Tunnel or Underground Structure Stability/Hydrogeology etc. For Doctorate from any IIT/NIT/IISC or Top 100 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks For other AICTE approved colleges give 50% marks i.e. 7.5 marks]	15
II	Relevant Experience & Adequacy for the Project	65
a)	Total Professional Experience	15
	<12years	0
	12-15 years	11
	>15-18 years	13
	>18 years	15
b)	Professional experience in project preparation/ DPR/ Tunnel Design for Highways/ Railways/Irrigation/Hill Roads/Hydel Projects (Cut & Cover tunnels not to be considered)	10
	<10 years	0
	10-12 years	6
	>12-15 years	8
	>15 years	10
c)	No. of Tunnels designed as part of project preparation/ DPR/ Tunnel Design for Highways/ Railways/Irrigation/Hill Roads/Hydel Projects (Cut & Cover tunnels not to be considered)	10
	1-2	5
	3-4	7
	For each additional tunnel project beyond 4 no.s give 1 additional marks subject to maximum 3 additional marks	
d)	Experience in Similar Capacity	30
(i)	Experience as Sr. Geologist (or Equivalent Position) in Tunnel Assignments for Highways/ Railways/Irrigation/Hill Roads/Hydel Projects (Cut & Cover tunnels not to be considered)	30
	<5 years	0
	5-8 years	20
	>8-12 years	24
	>12-15 years	27
	>15 years	30
III	Employment with Firm	5
	< 1 Year	0
	1 year	2
	Add 1 marks for each subsequent year subject to maximum of 3 marks	
	Total	100

-

-

-

-

-

Evaluation Criteria for Senior E&M Expert

-

S. No.	Description	Max. Points
I	Desirable Qualification	30
i)	Full Time Graduation in Electrical Engineering or Electrical & Electronics Engineering or Mechanical Engineering or Equivalent from any IIT/NIT/IISC or Top 100 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks For other AICTE approved colleges give 50% marks i.e. 10 marks	20

ii)	Post-Graduation		10
	Full Time/Regular Post-Graduation in Power Systems/Control Systems/ Thermal Engineering/HVAC specialisation or related topics from any IIT/NIT/IISC or Top 100 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks For other AICTE approved colleges give 50% marks i.e. 5 marks]		10
	Part Time Post-Graduation in Power Systems/Control Systems/ Thermal Engineering/HVAC specialisation or related topics from any IIT/NIT/IISC or Top 100 ranked engineering institutes as per NIRF ranking released by Ministry of Education (available as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks For other AICTE approved colleges give 50% marks i.e. 2.5 marks]		5
II	Relevant Experience & Adequacy for the Project		
a)	Total Professional Experience		65
	<15 years	0	15
	15-18 years	11	
	>18-20 years	13	
	>20 years	15	
b)	Professional experience in Tunnel Design/ Construction projects for Highways/ Railways/Hill Roads out of which atleast 5 years should be as E&M Expert (or equivalent position)		20
	<10 years	0	
	10-12 years	6	
	>12-15 years	8	
	>15 years	10	
c)	Experience in Similar Capacity		30
(i)	Experience as E&M Expert (or Equivalent Position) in Tunnel Assignments for Highways/ Railways/Hill Roads		30
	2 Projects	20	
	3-4 Projects	25	
	Add 2.5 marks for each additional project		
III	Employment with Firm		5
	< 1 Year	0	
	1 year	2	
	Add 1 marks for each subsequent year subject to maximum of 3 marks		
	Total		100

ENCLOSURE-IV**Formats for submission of Reports and Documents****1. Standard formats for deliverables**

- i. During the course of the assignment to prepare detailed project report, several reports, drawings and documents will need to be submitted by the consultants to <Agency>.
- i. For the purposes of submission, format requirements have been laid out for some of the reports and drawing deliverables in this enclosure, which shall be adhered to strictly
 - ii. In addition, consultants are to align and agree with <Agency> officials the format of submission for all reports, during the inception stage as mentioned in clause 10.2 of this terms of reference

2. Format for submission of report deliverables**2.1 Printed hard copies of reports**

- i. All reports and documents shall be submitted in both printed hard copy and digital formats
- ii. For hard copies, the consultant shall submit bound volumes (and not in spiral binding form) after completion of each stage of work as per the schedule and in the number of copies as given in Enclosure III

2.2 Digital copies of reports

1. Every report shall also be submitted in digital format to the authority in the following formats:
 - i. The final report as submitted in the portable document format (.pdf)
 - ii. An editable document in the relevant Open Document Format for Office Applications (ODF) and if available the relevant Microsoft Office document format (MS Office)
 - iii. All tables and models used to and referred to in the reports shall also be submitted as spread-sheets in the relevant ODF format and MS Office format
 - iv. The digital copies of reports shall be submitted in the form of removable storage devices (CD or USB pen drive) and also hosted on a secured online document storage and retrieval platform as described in clause 2 Data products
2. The removable storage device submitted at each deliverable stage shall contain:

- i. Reports for that stage
 - ii. All draft and final reports previously submitted
 - iii. Correspondence with <Agency>
 - iv. Clients' comments on submitted reports
 - v. Any communication, letters and approvals to and from other government and local agencies and any other relevant body
 - vi. An updated index of all the contents on the removable storage device
2. Every submission will be accompanied by a table of contents and index of all documents submitted for ease of reference

• Data products

1. During the course of the assignment, the consultant shall perform several surveys and collect data that will be used for the design of the road and delivered to the client.
2. Consultants are encouraged to keep commonly available software and data packages, and typical uses for data while deciding final formats of data within the constraints of this document or where a format has not been defined
3. As required in the Terms of Reference, consultants are required to agree with <Agency> for all actual data formats proposed to be used for the project
4. In order to standardise data formats and simplify hand over and re-use of data, some requirements for minimum content and format are laid down below.

Sr No	Data product	Contents required (definition)	Data format
0	Formats to be used	List of data, drawing and design outputs, reporting format, digital format suggested, key data to be included (column headers), units and system to be used	CSV or ODF sheet, .xlsx optional
1	Traffic surveys		
1.1	List of traffic survey points	Point no, location coordinates (lat, long), location of survey point, chainage, no lanes/type of junction, type of survey, date of survey, length of survey, any commentary, equipment/technique used, link to survey output	CSV or ODF sheet, .xlsx optional
1.2	Classified traffic volume count survey	Survey point, survey location, location id (ihmcl), no of lanes, chainage, location coordinates (lat, long), date, time and period of survey	Raw data: IHMCL Traffic survey data format Processed, corrected with AADT: CSV or ODF sheet, .xlsx optional
1.3	O-D, turning movement, axle load and other surveys	Survey point, survey location, location lat, long, chainage, date, time, period of survey, technique/equipment used in addition to the survey data itself	CSV or ODF sheet, .xlsx optional
2	Engineering surveys and investigations		
2.1	Raw DGPS data	Notes must contain Date, time of survey, equipment used, corrections applied is any. Data: Survey benchmarks, benchmark points, location data points	CSV or ODF, Receiver Independent Exchange Format (RINEX)
2.2	LIDAR point cloud	Notes must contain Date, time of survey, equipment, summary post processing applied. Data: Survey benchmarks, data points, point cloud of entire project corridor as defined in	LASer file format for exchange CSV sheet, .xlsx optional
2.3	Images	360 Deg/ ortho images of entire project road way	Geographic Tagged Image File Format (GeoTIFF)
2.4	Video	Traverse video of entire project length	Audio video interleave (.avi) or MPEG-4 file (.mp4)
2.5	Topographic map contours	1:1000 scale map with 50 cm contours with roadway marked on maps	Contours: geo-referenced shape files (.shp) or .dxf files, .dwg/.dgn files options
2.6	Digital elevation model	Digital terrain modeled from aerial and ground surveys	Digital elevation model in USGS Spatial Data transfer standard (SDTS) format
2.7	Longitudinal and cross sections	Location of cross section - existing, design chainage, lat, long, Cross section drawing	.dxf files, .dwg/.dgn files options
2.8	As-is road map	3D digital map of as-is project highway containing earth surface, road layers, utilities, buildings and trees with feature data extracted and mapped in layers, marked on the map and tabulated data provided separately. All road, surface, sub surface inventory, pavement investigation and soil survey data to be super-imposed as layers	Digital terrain model and maps in LandXML/.dxf format, .dwg/.dgn files options Separate CSV or ODF sheet, .xlsx optional of feature data in addition to map
2.9	Details of utility	type of utility, no, class and category of utility installation (e.g. 66 kV xlp), location, distance from centerline, user agency	CSV or ODF sheet, .xlsx optional
2.10	Utility maps	geo-referenced schematic map, existing and design road centerline, type of utility, size, no, class and category	georeferenced shape files (.shp) and drawings in .dxf format
2.11	Road inventory surveys	All data as required in clause 4.11.3.1, geo-referencing for each row of data in lat, long form	CSV or ODF sheet
2.12	Pavement investigation	Test pit reference id, location, chainage, geo-reference (lat, long), pavemet composition - layer no, material type, thickness, sub grade	CSV or ODF sheet

		type, and condition	
2.13	Pavement survey	condition	Data as required in clause 4.11.3.2, along with location/chainage and geo-reference for all data CSV or ODF sheet
2.14	Pavement strength	structural	FWD results as per IRC guidelines, geo-referencing for test points CSV or ODF sheet
2.15	Sub-grade strength	and soil	In the format of the testing lab, summary details must be tabulated and must include: test pit no, location, chainage, lat/long, date, time of test, tester/lab details, in-situ density, moisture content, field CBR, characterization, in-lab moisture and density, lab CBR Summary in CSV or ODF sheet
3	Proposed roadway designs		
3.1	Proposed geometry	alignment	Georeferenced centerline horizontal and vertical alignment for the road To be presented superimposed on surface map, satellite imagery and digital elevation model of region Geometry or shape files : .shp/.dxf, .dwg/.dgn files options
3.2	Final geometry	alignment	Georeferenced centerline horizontal and vertical alignment for the road. Additional detail on lanes, super elevation, junctions, structures, under/overpasses, PUP/CUP, wayside amenities etc Geometry or shape files : .shp/.dxf, .dwg/.dgn files options
3.3	Proposed model	roadway	Proposed digital roadway model and design data- including embankment, road way, road layers, roadside amenities, signals, road furniture, markings and other construction elements in 3D .dxf/.dtm
3.4	Proposed structures		Geo referenced location and alignment, 3D model of structure and appurtenances, cross section, plan and profile drawings for construction as per IRC .dxf/.dtm
3.5	Proposed highway cross sections		Roadway cross sections for homogenous sections .dxf files Digital surface model in .dxf format
4	Other deliverables		
4.1	Digitized cadastral maps		Digitized revenue map overlaid with key landmarks, land size, survey number and ownership data. min 1:1000 scale map with >1mm accuracy Geometry or shape files : .shp/.dxf, .dwg/.dgn files options
4.2	Financial analysis		Spreadsheet model with instructions, index and containing all inputs and assumptions, time series construction and operating costs, revenues, financing and equity cash flows, NPV/IRR, sensitivity scenarios and results ODF sheets, MS office .xlsx optional

3 Online hosting and archival of deliverables

3.1 Hosting deliverables online

- i. The consultant shall store all deliverables from this assignment on a secure online file hosting platform that is remotely accessible by authorised users on the world wide web
- ii. The consultant shall provide read only access to all relevant officers of <Agency> and provide further access to additional users as and when requested by <Agency>
- iii. Consultant shall provide a point of contact for access to these files, solving any technical issues and shall respond to all requests in a timely manner
- iv. Consultant shall ensure that the files are hosted in a platform that conforms to any file hosting and file sharing security standards as may be laid down by the government of India

3.2 Deliverables to be hosted

- i. Data and deliverables to be hosted in an online accessible format shall include but not be limited to:
- ii. All draft and final deliverables in the digital formats prescribed in this TOR and in file formats in wide use where formats are not specified
- iii. Data, images and videos from all surveys and investigations conducted of this enclosure
- iv. All correspondence to and from <Agency> including clients' comments on submitted reports
- v. Any communication, letters and approvals to and from other government local agencies and any other relevant body
- vi. The platform shall also contain an index and table of contents of information being hosted for ease of access and use

3.3 Time period and costs

- i. Access to above mentioned files will be provided till the end of construction (final commercial operations date of contractor/ concessionaire) of all packages that form a part of this assignment at the cost of the consultant
- ii. Access to additional users shall also be at no additional cost to the authority