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

सत्यमेव जयते

HOUDIV-15/3/2025-HOU Division/ 296091/164770 **Dated: 02.06.2026**

First Technical Evaluation Result

Sub: Consultancy Services for Preparation of Detailed Project Report for Smart Highway Lighting for National Highways under NHAI - Tender ID: 2025_NHAI_258978_1– **First Technical Evaluation Result-reg**

The first technical result of the bidders in the RFP of the subject work is as under:

Sl. No.	Name of Bidders	Sole/JV/ Association	Technical Score
1/3	M/s Bureau Veritas (India) Private Limited	Sole	Non-Responsive as per clause 11.1 Table- 1 (S. No.3) of data sheet of RFP
2/3	M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	JV	77.55
3/3	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.	JV	86.83

2. The non-eligible bidders may submit their objections/representation on the result within 7 days of issuance of this letter.

This issues with the approval of the Competent Authority.

02/06/26

(Alok Kumar Mandal)
GM (T)

Encl: Technical Evaluation Sheet

Copy to:
(i) NHAI helpdesk for uploading on e-portal.

Name of the Project		
Consultancy Services for Preparation of Detailed Project Report for Smart Highway Lighting for National Highways under NHAI		
Applicant No:-	**Name of the Applicant**	**Status of the Applicant Sole/JV/Association**
1/3	**M/s Bureau Veritas (India) Private Limited**	**Sole**
2/3	**M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP**	**JV**
3/3	**M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.**	**JV**

Minimum Eligibility

S.No.	Name of the Applicants	Sole/JV/ Association	Minimum average turnover in last 3 FYs i.e. 2022-23, 2023-24 and 2024-25. INR 10 Crores	Minimum net worth in FY 2024-25, Positive	Experience of preparation DPR/Feasibility Report/Supervision Consultancy/Project Management Consultant for Smart Street Lighting/Highway Lighting for Smart City Project/Urban Rural or /Industrial Development Project for any Government Organization (India or abroad) in last 10 years. Number of Projects with cost 75 Cr or more: 1 OR Number of Projects with cost 50 Cr or more: 2 Note: To be clear cost of consultancy assignment including scope of smart/highway lighting should be more than or equal to INR 5 Crores and the cost of project which has resulted out of DPR or is being executed as PMC after DPR should be more than or equal to 50 Crores or 75 Crores as the case may be	The CV of the proposed Team Leader should score at least 75% marks otherwise the entire proposal shall be considered failed in the evaluation and shall not be considered for opening of Financial Proposals.	Whether the applicant is Responsive or Non-Responsive	Remarks
1/3	M/s Bureau Veritas (India) Private Limited	Sole	Yes	Yes	No	No	Non-Responsive	The projects cited as experience by the bidder either do not specify the scope of smart/highway light or the LOA does not have the name of the bidder mentioned. Therefore, the bidder does not satisfy the minimum eligibility specified as per clause 11.1 Table- 1 (S.no.3) of data sheet of RFP.
2/3	M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	JV	Yes	Yes	Yes	Yes	Responsive	Nil
3/3	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.	JV	Yes	Yes	Yes	Yes	Responsive	Nil

TABLE OF CONTENT								
DOCUMENTS PARTICULAR	**Page Ref**							
Document fee , Rs 5000	Yes							
Power of Attorney on a stamp paper of Rs.100	Yes							
Memorandum of Understanding (MOU) on a stamp paper of Rs.100, as per 1.10.2	Sole							
A brief description of the firm's organisation and an outline of recent experience of the Consultants	Yes							
Name of Work		**Client Name**	**Project Cost**	**Start Date**	**End Date**	**Consultancy Fee (in Cr.)**	**Lead/JV**	**Remarks**
Develop a Greenfiel area of 1250 Acres	1 (192/1270)	Belagavi Smart City Ltd.	930 cr	30.12.2016	31.03.2025	19.22	Sole	PMC
Development and Implementation of Ranchi Smart City Project		Ranchi Smart City Ltd.	888.6 cr	01.05.2017	13.03.2020	12.6	JV Lead	PMC
PMC Smart City Project		Smart Kalyan Dombivli	491 Cr	Nov-18	25.10.2024	16.02	JV Partner	PMC
Pasighat Smart City		Pasighat Smart City	550 Cr	27.07.2018	31.12.2025	13.5	JV Lead	PMC
Bilaspur Smart City Ltd.		Bilaspur Smart City Ltd.	194.11 Cr.	Oct-18	20.01.2021	46.16	JV Lead	PMC
FORM-E3 - Financial Capacity of the Applicant (Turnover)	763.52							
Minimum net worth in FY 2024-25, CA Certificate +ve	169.78							
No. of Electrical or Electronics Engineers on-roll with the firm for last 3 financial years. (List of Electrical Experts) >20 for max marks	Submitted 26 As/Salary Slip							

TABLE OF CONTENT								
DOCUMENTS PARTICULAR	**Page Ref**							
Document fee , Rs 5000	Yes							
Power of Attorney on a stamp paper of Rs.100	Yes							
Memorandum of Understanding (MOU) on a stamp paper of Rs.100, as per 1.10.2	Yes							
A brief description of the firm's organisation and an outline of recent experience of the Consultants	Yes							
Ceritifcate of Incorporation	Yes							
Statutory Registrations (PAN, GST)	Yes							
FORM-E1, Proof Of Eligibility								
Firm's References, last ten years as per Form- E2/T2								
Name of Work		**Client Name**	**Project Cost**	**Start Date**	**End Date**	**Consultancy Fee (in Cr.)**	**Lead/JV**	**Remarks**
DPR LOT 4 Pkg 5	11 of Poe	NHAI	5504	28.02.2018	04.03.2021	23.07	Sole	DPR
DPR Lot 6 Pkg 4	157 of POE	NHAI	2960	28.02.2018	19.03.2020	16.99	Sole	DPR
IE Galgalia-Araria	411 of tech	NHAI	2123	11.03.2021	25.02.2026	6.78	Sole	Supervision
AE Deogarh near Dhandhaniya NH-754 K	19 of Tech 2	NHAI	1308	15.06.2020	08.08.2025	9.78	Sole	Supervision
AE Delhi-Vadodara Expressway (NH148N)	87 of tech 2	NHAI	1276	06.08.2020	28.05.2024	8.96	JV Partner	Supervision
AE Rajasthan/ Gujarat Border to Santalpur section of NH-7541	129 of 2	NHAI	1009	08.01.2021	12.12.2023	9.41	JV Partner	Supervision
Moradabad Smart City Limited	381 of 1	MSCL	1767	23.02.2022	22.03.2023	-	Sole	PMC
FORM-E3 - Financial Capacity of the Applicant (Turnover)	230.13							
Minimum net worth in FY 2024-25, CA Certificate +ve	83.53							
FORM-E4 - Bid Securing Declaration	Yes							
No. of Electrical or Electronics Engineers on-roll with the firm for last 3 financial years. (List of Electrical Experts) >20 for max marks	Submitted 26 As/Salary Slip							

Name of the firm				M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.
S.N	**Evaluation Criteria**	**Marking Scheme (as per RFP)**	**Max Marks**	**Marks Awarded**	**Marks Awarded**
1	Net Worth (FY 2024–25)	₹0–1 Cr = 1 ₹1–5 Cr = 2 ₹5–10 Cr = 3 ₹10–20 Cr = 4 Above ₹20 Cr = 5	5	5	5
2	Average Annual Turnover (Last 3 FYs)	< ₹10 Cr = 0 ₹10–25 Cr = 2 ₹25–50 Cr = 3 ₹50–100 Cr = 4 Above ₹100 Cr = 5	5	5	5
3	No. of DPR/Feasibility Studies/PMC carried out for Smart Street Lighting/Highway Lighting for Smart City Project/Urban or Rural/Industrial Development Project for any Government Organisation (India or abroad) for project cost of atleast 50 Crores in last 10 financial years. Note: To be clear, the cost of entire consultancy assignment include scope of smart/highway lighting should be more than or equal to 5 Crores and cost of project which has resulted out of DPR should be more than or equal to 50 Crores	< 1 = 0 1 = 5 2 = 7.5 3 or more = 10	10	7.5	10
4	No. of projects implemented as Supervision Consultant/Project Management Consultant for Smart Street Lighting/Highway Lighting for Smart City Project/Urban/Rural /Industrial Development Project for any Government Organisation (India or abroad) for project cost of atleast 50 Crores in last 10 financial years. Note: To be clear, the cost of Consultancy assignment including scope of smart/highway lighting should be more than or equal to 5 Crores and the cost of Project which is being executed by PMC/SC should be more than or equal to 50 Crores	1 = 5 2 = 7.5 3 or more = 10	10	10	10
5	No. of DPR/Feasibility Studies carried out for establishment of solar power projects for any government organisation (India or abroad) for project cost of atleast 50 Crores in last 10 financial years. Note: To be clear, the cost of Project which has resulted out of DPR should be more than or equal to 50 Crores	< 1 = 0 1–2 = 8 3–4 = 10 5–6 = 12 7 or more = 15	15	8	15
6	No. of Electrical / Electronics Engineers on -roll with the firm (Last 3 FYs)	< 5 = 0 5–10 = 2 10–15 = 3 15–20 = 4 Above 20 = 5	5	3	5
			50	38.5	50
	Key-Personnel Marking Scheme:				
	Team Leader		12	9.00	11.22
	Electrical Design Engineer (Lighting Expert)		9	7.43	7.43
	Smart Lighting / IoT Systems Expert		8	5.80	3.16
	Road Safety Expert		6	5.37	5.25
	Power Supply & Electrical Distribution Expert		5	3.83	4.85
	Solar Power System Design Expert		5	3.38	2.68
	Quantity Surveyor / Cost Estimation Expert		5	4.25	2.25
				39.05	**36.83**
		TOTAL	**50**	**77.55**	**86.83**

I. Team Leader – Evaluation Criteria (100 Marks)				
Name of the Firm			M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.
S No.	Criteria	Maximum Marks	Assessed Marks	Assessed Marks
A. Academic Qualification (32 Marks)				
A.1	**B.Tech/B.E in Electrical Engineering** **For Graduates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks.** **For Graduates from other Colleges give 50% marks**	15	**7.5**	**15**
A.2	**M.Tech/M.E/PhD in Electrical/Power/Illumination Engineering** **For Post Graduates/Doctorates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks.** **For Post Graduates/Doctorates from other Colleges give 50% marks**	15	**7.5**	**15**
A.3	**Relevant Certifications (CEM, LEED, PMP, IoT/Lighting) from any Government Recognized institute**	2	0	
B. Total Professional Experience in Engineering Field (15 Marks)				
B.1	**15 years (minimum eligibility)**	8	**15**	**15**
B.2	**>15 to 20 years**	12		
B.3	**>20 years**	15		
C. Relevant Experience in Highway/Urban Lighting Projects (35 Marks)				
C.1	**Roadway/Highway/Urban/Rural Industrial Corridor Lighting System Design**	12	**12**	**12**
	Less than 1 project – 0			
	1–2 Projects – 5			
	3–4 Projects – 8			
	Add 2 marks for each additional project subject to max 4 additional marks			
C.2	**Smart/Intelligent Lighting Systems (IoT, CMS, adaptive lighting)**	13	**13**	**13**
	Less than 1 project – 0			
	1–2 Projects – 5			
	3–4 Projects – 8			
	Add 2.5 marks for each additional project subject to max 5 additional marks			
C.3	**Power System Design for Linear Infrastructure** 1 Project - 2.5 Marks 2 or More Projects - 5 Marks	5	**5**	**5**
C.4	**DPR/Feasibility/Bid Document Preparation for Govt Projects** 1 Project - 2.5 Marks 2 or More Projects - 5 Marks	5	**0**	**5**
D. Experience as Team Leader / Project Manager in similar assignments (15 Marks) Note on Similar Assignments: Lighting/Illumination related consultancy assignments of INR 5 Cr or above				
D.1	Less than 1 project	0	**15**	**13.5**
D.2	1–2	8		
D.3	3–4	12		
	Add 1.5 marks for each additional project subject to max 3 additional marks	15		
E. Employment with firm (3 Marks)				
E.1	Less than 1 year	0	**0**	**0**
E.2	1–2 years	1		
E.3	2–3 years	2		
	Add 0.5 marks for each additional year subject to max 1 additional mark			
TOTAL		**100**	**75**	**93.5**
		12	**9**	**11.22**

II. Electrical Design Engineer (Lighting Expert) – Evaluation Criteria (100 Marks)			
Name of the Firm		M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.
S No.	**Criteria**	**Assesesd Marks**	**Assesesd Marks**
A. Academic Qualification (25 Marks)			
A.1	B.Tech/B.E in Electrical Engineering	**7.5**	**7.5**
	For Graduates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks.		
	For Graduates from other Colleges give 50% marks		
A.2	M.Tech/M.E in Power/Illumination/Energy	**0**	**7.5**
	For Post Graduates/Doctorates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks.		
	For Post Graduates/Doctorates from other Colleges give 50% marks		
B. Total Professional Experience (10 Marks)			
B.1	Minimum 8 years (eligibility)	**10**	**10**
B.2	>8–12 years		
B.3	>12 years		
C. Roadway/Highway Lighting Design Experience (25 Marks)			
C.1	**Roadway/Highway/Urban/Rural Industrial Corridor Lighting System Design**	**12.5**	**12.5**
	1 Project – 5		
	2–3 Project – 8		
	4–5 Project – 10		
	6 or more Projects – 12.5		
C.2	**LED/adaptive lighting expertise**	**12.5**	**10**
	1 Project – 5		
	2–3 Project – 8		
	4–5 Project – 10		
	6 or more Projects – 12.5		
D. Smart/Intelligent Lighting Systems (25 Marks)			
D.1	**Centralized Control and Monitoring System (CCMS) or Integrated Command Control Center (ICCC) IoT-based control, with automation**	**10**	**8**
	1 Project – 4		
	2–3 Project – 6		
	4–5 Project – 8		
	6 or more Projects – 10		
D.2	**Energy Optimisation/Dimming profiles**	**5**	**4**
	1 Project – 3		
	2–3 Project – 4		
	4–5 Project – 5		
D.3	**Solar-integrated lighting**	**10**	**10**
	1 Project – 4		
	2–3 Project – 8		
	4 or more projects – 10		
E. Electrical Power System Design (15 Marks)			
E.1	**HT/LT distribution, protection, cabling, earthing**	**10**	**10**
	1 Project – 4		
	2–3 Project – 8		
	4 or more Projects – 10		
E.2	**DISCOM coordination, load assessment**	**5**	**3**
	1 Project – 3		
	2–3 Project – 4		
	4–5 Project – 5		
TOTAL		**82.5**	**82.5**
		7.43	**7.43**

III. Smart Lighting / IoT Systems Expert Evaluation Criteria			M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.
Name of the firm				
S No.	**Criteria**	**Marks**	**Assesesd Marks**	**Assesesd Marks**
A. Academic Qualification (30Marks)				
A.1	B.Tech/B.E in Electronics / Electrical / IT / Computer Science For Graduates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For Graduates from other Colleges give 50% marks	15	**7.5**	**7.5**
A.2	M.Tech/M.E in Embedded Systems / IoT / Communication / Controls For Post Graduates/Doctorates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For Post Graduates/Doctorates from other Colleges give 50% marks	15	**0**	**0**
B. Total Professional Experience (10 Marks)				
	Minimum 8 years (eligibility)	5	**10**	**10**
	8–12 years	8		
	>12 years	10		
C. Smart / Intelligent Lighting Systems Experience (25 Marks)				
C.1	Experience with Centralized Control and Monitoring System (CCMS), sensor-based adaptive lighting and automation		**10**	**4**
	1 Project	4		
	2–3 Project	6		
	4–5 Project	8		
	For each additional project add 1 mark subject to max 2 marks	10		
C.2	IoT communication protocols (LoRaWAN, NB-IoT, RF, Cellular)		**7.5**	**0**
	1 Project	3		
	2–3 Project	4.5		
	4–5 Project	6		
	6 or more Projects	7.5		
C.3	Integration with CMS dashboards, remote monitoring		**7.5**	**0**
	1 Project	3		
	2–3 Project	4.5		
	4–5 Project	6		
	4 or more Projects	7.5		
D. IoT Platforms / Network Architecture / Integration (20 Marks)				
D.1	Experience designing IoT networks for linear infrastructure		**5**	**0**
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
D.2	Experience with cloud platforms		**5**	**5**
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
D.3	Cybersecurity, device authentication, data handling		**5**	**5**
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
D.4	SCADA/PLC/Edge computing integration		**5**	**3**
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
E.Experience in Government / Smart City / Smart Infrastructure Projects (10 Marks)				
	Smart lighting/IoT projects for NHAI/Smart City/PWD/ULB		**10**	**5**
	1 Project	5		
	2–3 Project	8		
	4 or more projects	10		
F. Familiarity with lighting design tools & IoT testing tools (5 marks)				
	Valid Certification Course in use of any lighting design tool	2.5	**0**	**0**
	Valid Certification Course in use of any IoT testing tools	2.5		
TOTAL		**100**	**72.5**	**39.5**
		8	**5.8**	**3.16**

IV. Road Safety Expert Evaluation Criteria (100 Marks) Name of the firm				M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.
S No.	**Criteria**		**Marks**	**Assesesd Marks**	**Assesesd Marks**
	A. Desirable Qualification 25 Marks				
A.1	Full Time Graduation in Civil Engineering or Equivalent 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 For other AICTE approved colleges give 50% marks i.e. 5 marks		15	**7.5**	**7.5**
A.2	Full Time/Regular Post-Graduation in Traffic/Transportation/ Safety Engineering or equivalent. Post-Graduation in Transportation planning will also be considered provided it is obtained after Graduation in Civil Engineering. For PG from any IIT/NIT/IISC 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 For other AICTE approved colleges give 50% marks i.e. 5 marks		10	**10**	**10**
B.	**Total Professional Experience (15 Marks)**				
	<6 years	0	15	**15**	**15**
	6-10years	5			
	>10-15 years	7.5			
	>15years	15			
C.	**15 days certification course on Road Safety Audit from IAHE/IITs/CRRI or any other approved institute as approved by MoRTH**				
	NO	0	15	**15**	**15**
	Yes	15			
D.	**Experience in Highway Projects (SH/NH/Expressways) of 2/4/6 lane or higher lane configuration**				
	<5 Years	0	15	**12**	**15**
	5-7 Years	5			
	7-9 Years	8			
	9-12 Years	10			
	12-15 Years	12			
	For each additional year give 1 mark subject to max 3 additional marks				
E.	**Experience as Traffic and Safety Expert / Traffic Engineer or in Similar Capacity in Highway Projects(2/4/6 laning of NH/SH/Expressways) (Minimum aggregate length 120 km)**				
	<120km	0	25	**25**	**25**
	120km-200km	10			
	>200km -300km	15			
	>300km-400km	20			
	>400km	25			
F.	**Employment with Firm**				
	<1 Year	0	5	**5**	**0**
	1 year	2			
	Add 1 marks for each subsequent year subject to maximum of 3 additional marks				
TOTAL			**100**	**89.5**	**87.5**
			6	**5.37**	**5.25**

V. Power Supply & Electrical Distribution Expert – Evaluation Criteria (100 Marks)			
Name of the firm		M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.
S. No.	Criteria	Assesesd Marks	Assesesd Marks
A. Academic Qualification (30 Marks)			
A.1	B.Tech/B.E in Electrical Engineering For Graduates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For Graduates from other Colleges give 50% marks	**7.5**	**15**
A.2	M.Tech/M.E in Power Systems / Energy Systems For Post Graduates/Doctorates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For Post Graduates/Doctorates from other Colleges give 50% marks	**0**	**15**
B. Total Professional Experience (10 Marks)			
B.1	Minimum 10 years (eligibility)- 5 marks	**10**	**10**
B.2	10–15 years- 8 marks		
B.3	>15 years- 10 marks		
C. Power Supply System Design Experience (25 Marks)			
C.1	HT/LT network design, substation integration, load planning	**15**	**13**
	1 Project – 4 marks		
	2–3 Project – 6 marks		
	4–5 Project – 8 marks		
	5–6 Projects – 10 marks		
	Give 1 mark for each additional Project subject to max 5 additional marks		
C.2	Feeder pillars, RMUs, DG/UPS integration, redundancy planning	**10**	**10**
	1 Project – 4 marks		
	2–3 Project – 6 marks		
	4–5 Project – 8 marks		
	6 or more Projects – 10 marks		
C.3	Energy audit and efficiency optimisation for lighting systems	**5**	**4**
	1 Project – 3 marks		
	2–3 Project – 4 marks		
	4 or more Projects – 5 marks		
D. Electrical Distribution for Highway/Linear Infrastructure (25 Marks)			
D.1	Cabling, earthing, protection system design	**10**	**10**
	1 Project – 4 marks		
	2–3 Project – 6 marks		
	4–5 Project – 8 marks		
	6 or more Projects – 10 marks		
D.2	Coordination with DISCOMs for connections and approvals	**5**	**5**
	1 Project – 3 marks		
	2–3 Project – 4 marks		
	4 or more Projects – 5 marks		
D.3	Short-circuit, voltage drop, fault-level calculations	**5**	**5**
	1 Project – 3 marks		
	2–3 Project – 4 marks		
	4 or more Projects – 5 marks		
D.4	Integration with smart lighting control infrastructure	**5**	**0**
	1 Project – 3 marks		
	2–3 Project – 4 marks		
	4 or more Projects – 5 marks		
E. Experience in Govt/NHAI/MoRTH/Smart City Projects (10 Marks)			
	Executed power/distribution roles in similar DPR/PMC/Smart Infra projects	**4**	**10**
	1 Project – 4 marks		
	2–3 Project – 6 marks		
	4–5 Project – 8 marks		
	6 or more Projects – 10 marks		
	TOTAL	**76.5**	**97**
	5	**3.83**	**4.85**

VI. Solar Power System Design Expert Evaluation Criteria				
Name of the firm			M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.
S No.	Criteria	Maximum Marks	Assesesd Marks	Assesesd Marks
A. Academic Qualification (25 Marks)				
A.1	B.Tech/B.E in Electrical/Energy/Renewable Engineering For Graduates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For Graduates from other Colleges give 50% marks	15	7.5	7.5
A.2	M.Tech/M.E in Renewable Energy/Solar Engineering For Post Graduates/Doctorates from IIT/NIT/IISC or Top 50 ranking engineering institutes as per NIRF Ranking issued by Ministry of Education, GOI (as on bid due date) or Engineering Colleges of repute of Foreign Countries give full marks. For Post Graduates/Doctorates from other Colleges give 50% marks	15	0	0
B. Total Professional Experience (10 Marks)				
	Minimum 8 years (eligibility)	5	10	10
	8–12 years	8		
	>12 years	10		
C. Solar PV System Design Experience (30 Marks)				
C.1	Design of on-grid/off-grid solar PV systems		10	8
	1 Project	4		
	2–3 Project	6		
	4–5 Project	8		
	5–6 Projects	10		
	Give 1 mark for each additional Project subject to max 5 additional marks			
C.2	Design of hybrid solar + battery backup/solar street lighting		10	8
	1 Project	4		
	2–3 Project	6		
	4–5 Project	8		
	6 or more Projects	10		
C.3	Energy yield estimation & performance modelling			
	1 Project	3	5	5
	2–3 Project	4		
	4 or more Projects	5		
D. Solar Power for Highway/Linear Infrastructure (15 Marks)				
D.1	Solar-based lighting systems for highways/large corridors		5	0
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
D.2	DISCOM interconnection		5	5
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
D.3	Integration with smart CMS/IoT lighting platforms		5	0
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
E. Experience in Govt/MNRE/Smart City/ULB/NHAI Solar PV-related				
	1 Project	4	10	10
	2–3 Project	6		
	4–5 Project	8		
	6 or more Projects	10		
F. Certification Course for use of Simulation tools for design of solar PV				
	Yes	10	0	0
	No	0		
TOTAL		100	67.5	53.5
		5	3.38	2.68

VII. Quantity Surveyor / Cost Estimation Expert Evaluation Criteria				
Name of the firm			M/s Chaitanya Projects Consultancy Ltd. In JV with M/s Nangia & Co. LLP	M/s Tractebel Engineering Pvt. Ltd. In JV with M/s BDO India Services Pvt. Ltd.
S No.	Criteria	Marks	Assesesd Marks	Assesesd Marks
A.	**Academic Qualification (25Marks)**			
A.1	Degree/Diploma in Electrical Engineering from any AICTE Approved College	15	**15**	**15**
A.2	PG in Construction Management / Costing / QS from any AICTE Approved College	10	**0**	**0**
B.	**Total Professional Experience (10 Marks)**			
	Minimum 8 years (eligibility)	5	**8**	**8**
	8–12 years	8		
	>12 years	10		
C.	**Quantity Surveying & Cost Estimation for Infra Projects (30 Marks)**			
C.1	Preparation of BOQs, item rate analysis, quantity take-off		**12**	**12**
	1 Project	6		
	2–3 Project	8		
	4–5 Project	10		
	6 or more Projects	12		
C.2	Cost estimation for lighting works		**10**	**0**
	1 Project	5		
	2–3 Project	8		
	4 or more Projects	10		
C.3	Experience with SORs (MoRTH, PWD, DSR) for electrical Works		**5**	**0**
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
D.	**Estimation for Smart Lighting / Electrical Systems (25 Marks)**			
D.1	Costing for LED lights, poles, cabling, HT/LT works, feeder pillars		**10**	**10**
	1 Project	5		
	2–3 Project	8		
	4 or more Projects	10		
D.2	Cost estimation for CCMS/IoT/CMS infrastructure		**5**	**0**
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
D.3	Cost estimation for solar lighting systems		**5**	**0**
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
D.4	Life-cycle costing & O&M cost projections		**5**	**0**
	1 Project	3		
	2–3 Project	4		
	4 or more Projects	5		
E.	**Govt/NHAI/MoRTH/Smart City/ infrastructure projects Project Experience (10 Marks) in Costing/QS roles in DPR/PMC assignments**			
	1 Project	5	**10**	**0**
	2–3 Project	8		
	4 or more projects	10		
TOTAL		**100**	**85**	**45**
		5	**4.25**	**2.25**

Signature Not Verified
Digitally signed by ALOK KUMAR MANDAL
Date: 2026.06.02 16:55:41 IST
Location: eProcurement System for Central PSUs