

Minutes of the pre-bid meeting held on 11/12/2024 for tender no. 13/IITBHILAI/Estate/2024-25 for the work of Providing High Mast Flood Lighting for Football, Volleyball and Basketball grounds at the specified location at IIT Bhilai

Date & Time: 11th December 2024 at 11:00 AM
 Mode of meeting: Physical and Video Conferencing
 Venue: Board room, Level-3, LDC Building, IIT Bhilai Campus

1. The following members were present during pre-bid meeting:
 - a) Shri Salil R Srivastava, BWC member and Engineer-in-Chief (EnC), NRANVP
 - b) Shri Manem Srinivas, AEE, IIT Bhilai
 - c) Shri Manish Sahu, AEE, IIT Bhilai
 - d) Shri Shwetabh Pradhan, AEE, IIT Bhilai

2. The following external participants have joined the meeting:
 - a) Shri B L Prasad, Havells India Ltd.
 - b) Shri Amit Kulkarni, Havells India Ltd.
 - c) Shri Umesh Gour, Canara Lighting Pvt Ltd.
 - d) Shri Mukesh Rathore, Bajaj Electricals,
 - e) Shri Shubham Chaturvedi, Sports lighting solutions
 - f) Shri Bhupendra kshirsagar, EnergyGreen Technopower Pvt. Ltd.
 - g) Shri Vivek Soni, RK Corporation

3. The queries/clarifications discussed with the participants during the pre-bid meeting are as below:

S No	Section/ Page No.	Description/Reference	Clarification Sought/ Amendment Requested	IIT's Reply
Points raised by Canara Lighting Industries Pvt Ltd				
1.	Page No 5 Clause 2(i)	Experience of having successfully completed works during last 7 years up to previous day of last date of submission of tender, as given below:	Kindly revise as a) One similar work of value not less than 60% of the Estimated Cost	No change.

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		a) One similar work of value not less than 80% of the Estimated Cost OR b) Two similar works each of value not less than 60% of the Estimated Cost OR c) Three similar works each of value not less than 40% of the Estimated Cost	OR b) Two similar works each of value not less than 50% of the Estimated Cost OR c) Three similar works each of value not less than 40% of the Estimated Cost	
2.	Page No 49	Test report shall be submitted along with Technical bid. (IP,IK, LM79, LM80, Temperature, Lumens)	Kindly accept the test reports at time of supply of material. As per the clause successful bidder has to submit sample and get the test reports done after award.	Accepted. (refer corrigendum)
3.	Page 59-62	Approved make of Driver: Crompton/ Philips/Wipro/ Panasonic/ Havells /Lighting Technologies/OEM of Light Fixture.	Kindly include meanwell, inventronics/ equivalent	No change.
4.	Page No 59	APPROVED MAKE LED: Crompton/Philips/Wipro/Panasonic/Havells/Lighting Technologies	Kindly include CANARA brand to support Make In India & MSME Company.	No change.

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5.		High Mast: Utkarsh / RR Ispat/ Skipper/ Valmont/ Transrail	Kindly include flowing brands Hakke industries /NEzone	No change.
6.	Page No 68	SCHEDULE OF QUANTITY- LED fittings-Sl no 14 "system lumen output not less than 24,18,000 lumens,"	System lumen output is huge and is not relevant with the wattage mentioned. Please review	No change. System Lumen Output is the output of one respective high mast.
7.	Page No 68	SCHEDULE OF QUANTITY- LED fittings-Sl no 15 "system lumen output not less than 1,69,600 lumens,"	System lumen output is huge and is not relevant with the wattage mentioned. Please review	No change. System Lumen Output is the output of one respective high mast.
Point raised by WM Energy And Lighting Pvt Ltd				
8.	Page 59-62		Request for inclusion of our Brand "WMEL" FOR LED LIGHTS	No change.
Points raised by Advance Sport Technologies				
9.	ELIGIBLE CONTRACTOR OF CPWD:	IIT Bhilai invite online Item Rate Tender from Firms/ Contractors Registered in appropriate class and category with CPWD, CFTIs, BSNL, Railways, State PWD for Electrical / composite works of the following work:	Sir, the work of supplying and installing of Sports High Mast with LED flood lighting for the Sports Stadium/ground is very technical and specialized work and we have all the technical and professional expertise in the same work. Please, allow our participation in the bidding process on the	No change.

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			<p>grounds mentioned below:</p> <p>1) That we have completed similar projects on PAN India basis.</p> <p>2) That we are registered electrical contractor under the GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI also have full expertise in the S.I.T.C of sports lighting in stadiums. (Certificate enclosed). You are most respectfully requested to please consider the Electrical Contractor Registered with the Government of NCT of Delhi and allow us to participate in the tendering process. So that we may render our best services to you.</p>	
10.	SIMILAR WORKS:	Experience of having successfully completed works during last 7 years up to previous day of last date of submission of tender. For criteria of similar works defined in point no 2, experience in completed electrical works (Internal/External) will only be	Sir, the work of supplying and installing of Sports High Mast with LED flood lighting for the Sports Stadium/ground is very technical and specialized work so we suggest that the definition of similar works explicitly include experience in the installation of	No change.

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		considered for evaluation of eligibility criteria	high mast sports lighting in stadiums or sports facilities to achieve optimal lighting coverage.	
Points raised by EnergyGreen TechnoPower Pvt. Ltd.				
11.			On page no. 6 of the bid document, it is mentioned that similar work experience in complete electrical work (internal/external) will only be considered. Kindly clarify high mast lighting and highway street lighting with octagonal poles work orders will be accepted for evaluation. If so, please amend the sentence accordingly.	No change.
12.			Please clarify whether the complete lighting design, GA drawing, and product TDS need to be submitted along with the offer or can be provided after the award of the bid.	Bidder have to submit all design, drawing and test reports after award of the work. (refer corrigendum)
13.			For accurate lighting design, we require the AutoCAD file of the site layout. Kindly provide the same.	Please refer to the Image file attached in Pg 72.

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14.			During the meeting, it was mentioned that the high mast positions are currently tentative and not confirmed. Kindly provide clarification on this matter.	As per NIT conditions and standards of SAI.
15.			We have requested exemptions for MSE firms. Kindly provide your clarification on this matter.	As per NIT.
16.			In the pre bid meeting, some participants raised queries regarding the specified makes for high masts and LED fittings mentioned in the tender document. We request you to also include equivalent makes that comply with the product specifications.	No change.
Points raised by Professional Lighting				
17.		The sample of material required for Testing shall be provided at free of cost by the contractor. Testing charges if any shall be borne by the Contractor. All other expenditure to be incurred for taking sample, conveyance,	Our lab is itself NABL Accredited lab, we will submit the same report, it should be considered.	Successful bidder have to submit Third party test report from government institute/agency.

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		packing ETC Shall be borne by the contractor,		
18.		Football and athletics - LUX level for semi-professional matches = 500 lux. The design shall be made for 500 Lux with step operation 250-300 Lux and 500 Lux	as discussed for football and athletics ground, step operation will be bidder choice, either manual or dimming and bidder have to submit design and quote to illuminate half of the ground,	As per NIT.
19.			request to provide ground AUTOCAD layout drawing will be provided by IIT for precision of design,	Please refer to the Image file attached in Pg 72.
20.		Single potted driver clause	should be removed, and number of driver should be as per manufacture choice	Accepted. Multiple Drivers in LED fitting shall be as per the manufacturer design standards. (refer corrigendum)
21.		Make of Driver	make of the driver to be added , Inventronics, Moso, mean well, & OEM make	No change.
22.		Maintenance factor	the value of maintenance factor to be used in lighting design should be fixed either 0.80 or 0.85	As per NIT.
23.		Beam angel decided as per site conditions (30-60 degree)	Beam angle should be as per manufacture design and site requirement ,	As per NIT.

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24.		Lumen output in case of 1000w mentioned 2418000, and chip efficacy mentioned 120 lumen per watt	kindly clarify that mentioned output is for complete mast lighting or single pcs Luminaires, coz mentioned output is not possible,	No change. System Lumen Output is the output of one respective high mast.
25.		positioned marked in tender for Mast	as discussed marked position is not final position and bidder will suggest appropriate position,	As per NIT conditions and standards of SAI.
Points raised by BAJAJ ELECTRICALS LIMITED				
26.	BOQ Line Item 1 for High mast:	The high mast must have hot dipped galvanized material containing four different sections with the plate thickness of 4/5/6/8 mm, PCD 1120 mm and A/F dimensions of 360 mm at the top and 1000 mm at the bottom with a base plate of 1220 mm x 36 mm for wind speed 50m/sec.	The dimension of the high mast should not be fixed since its is design based tender we request you to please allow us to design the mast as per OEM standard.	Dimensions mentioned in the BOQ are tentative. Work will be done on the basis of final vetted design drawings.
27.	BOQ Line Item 1 for High mast:	The maximum headload of the mast shall not be less than 1700 kg with maximum headload capacity of 17 sq. per meter.	The given headload it very higher side and its not required. We request you to remove this clause.	No change.

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28.	Technical Specification A LED Floodlight:	Beam Angle Options: Ultra-Narrow Beam, Narrow Medium Beam & Medium Beam (30° and 60°)	30 degree and 60 degree are okay, as per the lighting design	No change.
29.	Approve Make		Please incorpoarte Bajaj make for LED fitting & High Mast	No change.
30.	Eligibility Criteria		2. This is stadium lighting job; however, the similar work definition is not related to stadium lighting job. It should be based on stadium lighting.	No change.
31.	Technical Specification A LED Floodlight:	system lumen output not less than 24,18,000 lumens,	Lux parameter would supperceed this, as mentioned lumens output is contradictory.	No change. System Lumen Output is the output of one respective high mast.
32.	Technical Specification A LED Floodlight:	Bidder has to submit one sample fitting to IIT Bhilai. After awarding the work, the bidder shall arrange to get the fitting tested for LM79 test in CPRI and cost of the testing charges shall be borne by bidder.	Kindly allow the same from In house NABL accredited lab test report.	Successful bidders have to submit Third-party test reports from a government institute/agency.

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33.	Technical Specification:	Football & Athletics: 500 lux (semi-professional matches) with step operation at 250-300 lux and 500 lux	Panel to be provided with Timers for Switching requirements. Lux level calculation to be done prior to finalise the light fixtures	As per NIT.
34.	Technical Specification:	Structural design by bidder, vetted by IIT approved institute	request to consider the options of NIT/Govt Engineering college for design vetting of High mast structural calculation sheets and foundation drawing and calculation.	As per NIT.
35.	Technical Specification:	Responsibility of contractor before design submission	Soil bearing testing, for quoting purpose we required the tentative SBC details	As per NIT.
36.	Technical Specification for Feeder Pillar Panel:	Not less than 3.15 mm for weight-bearing members	Gland plate shall be provided of 3 mm thick, panel enclosure shall be made up of 14 SWG CRCA sheet (2 mm thick)	As per NIT.
37.	Technical Specification for Feeder Pillar Panel:	Top and sides for air circulation	Panel shall be IP 65 protection class, there will not be any ventilators provided in the panel, if we provide any ventilators for air circulation, the IP class shall be compromised. Thus, its void.	Point 9 Amended. The same will be notified in the Corrigendum.

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38.	Technical Specification for Feeder Pillar Panel:	Air Ventilation: Top and side ventilation for air circulation.	Not possible since the Panel asked for IP 65 protection class, there will not be any ventilators provided in the panel, if we provide any ventilators for air circulation, the IP class shall be compromised. Thus, its void.	Point 9 Amended. (refer corrigendum).
39.	Technical Specification for Feeder Pillar Panel:	Cable Support: Proper internal support for load-bearing cables and DG termination; removable split side plate for cable entry. The Pillar shall be provided with removable split type base plate fitted with rubber grommets for cable entry to facilitate cable jointing.	clarity required on power supply, for the number of incoming power supply cable, and source of supply change over between normal and DG source is required,	As per NIT.
40.	Technical Specification for Feeder Pillar Panel:	Bus bar: Cable termination arrangement shall be from bottom and suitable for external cables of type and sizes as mentioned in the specification. Additional arrangement shall be provided with busbar for terminating cable for DG Set in emergency. The pillar shall also be provided with removable split type side plate to facilitate cable entry and termination for this purpose	clarify the arrangement in detail	As per NIT.

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41.	Design	Includes structural design of high masts, mounting frames, man-rider, panels, connected structures, civil works, foundations, base plates, bolts, etc., vetted by government institutions.	Only mast structural design with foundation drawing and design calculation shall be get vetted from any NIT/any reputed Govt Engineering college.	As per NIT.
42.		Provided by Engineer-in-Charge; contractor to submit vetted structural and working drawings based on these.	ok for mast structural calculation and foundation design and drawings	
43.		Lightning arrestors with the earthing strip for body and luminaires	mast shall be provided with lightening finial of 1200 mm long, and necessary flexible cable of 1cx70 sq.mm cable as a down conductor; there is no need of lightening protection arrestor for fixtures. GI strip is not feasible o run from lightening finial to mast bottom.	As per standards and NIT.
44.	Design		Brand of Highmast and Led fittings must be same OEM. To ensure the best output and safety concerns.	As per NIT.

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45.	Safety of Highmast		The OEM of Highmast Must have The plant ISO 9001 and 14001 as well as 18001 certified	As per NIT.
46.	Design		Must have in-house team comes with an exceptional design expertise in terms of illumination and Highmast structural Calculations.	As per NIT.
47.	Inspection		Should include Inspection at Plant.	As per NIT.
48.	For Panel		Dedicated panels each for Volley ball and Basketball sports (VB panel and BB panel) details not mentioned in tender	Please refer to page 56-57 of NIT.
Points raised by Aritron Services Pvt. Ltd.				
49.		Qualification of Similar Work:	Our company has previously completed SITC work for an End Client i.e. Delhi International Airport Limited, through a contractor and the completion certificate for that work is enclosed for your reference. We would like to confirm whether such work, executed for Delhi International Airport Limited through a contractor, can be	No change.

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			considered for fulfilling the requirement of similar work experience as mentioned in the tender document.	
50.	Page 6 of 72, Point No. 7	As in the tender document it is mentioned	"Work means only work done under Government/ Public Sector Undertaking/ Government Autonomous bodies/ State Government"	As per NIT.