



भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

NIT No.: IITI(MM)/ WE/6/6G/661/PKN/2017-2018

June 22, 2018

Pre-bid Report

Pre-bid queries and responses for "IITI(MM/ WE/6/6G/661/PKN/2017-2018"
dated 03/05/2018 for " Supply of "SPORTS LIGHTING SYSTEM FOR FOOTBALL GROUND"

The meeting for Pre-bid discussion and presentation was held at IIT-Indore on **06/06/2018** at **02.00 PM**. The report of the meeting is as below. All prospective/willing bidders are requested to **take note of this report as part of the Tender document.**

Sl. No	Reference of the Tender Doc.	Query raised by	Query/Clarification/Deviation sought	Clarification/ Response from IITI	Remarks
1.	Page 13, Clause-8 Inspection	M/s. Dev Musco Lighting Pvt. Ltd. New Delhi	LED sports lighting System will be manufactured in Musco USA factory. Travel cost of inspectors to be borne by whom?	PDI is part of the scope of supplier. However, if the item is not customized virtual PDI can be done.	
2.	Page 15, clause -4 Drawing		Kindly provide the layout drawing of football ground.	Attached	
3.	Page 12, Clause-3 Concessions		Please confirm if LED sports lighting will be exempted from custom duty. Please confirm. What is the concessional rate of GST applicable.	Custom duty exemption certificate will be issue with purchase order. Concessional Custom duty@5.15% will be applicable on all import. GST will applicable on actual rate.	
4.	Page 24, Clause 2.11		Outgasing does not apply for LED Flood Lights.	Agreed	
5.	Page 26, clause 7.6		Please confirm the length of power cable to be considered from nearest substation.	900 Mtrs	
6.	Page 27, clause 9.3 Make of LED Luminaries		The make of LED Luminanes offered by us shall be Musco, USA	Agreed	
7.	BOQ	M/s Bajaj Electricals	Please clarify about two BOQ sheets provided. It seems that BOQ2 sheet is for Foreign bidders. Since, Bajaj Electricals Ltd is an Indian company, we have to fillup rates in BOQ1 only. Please confirm.	Acceptable	

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8.	Annexure - I, Technical Specification, page 21/28		In technical specification, IIT has asked the bidder to warranty and maintain the constant illumination and all components of LED sports system for a period of 10 years. Instead of this, we request to change this requirement to 5 years instead of 10 years.	No Change	
9.	Annexure - I, Technical Pre- qualification conditions, Sr No. 1.0, page 21/28		<p>Referred clause has mentioned that the bidder shall be an Authorised dealer of an experienced nationally reputed Specialist Sports Lighting Manufacturer. Preference will be given to OEM.</p> <p>We request to change this clause as ---- the bidder shall be an OEM (Original equipment manufacturer) of LED flood light fixtures having experience in the field of Sports lighting project execution OR Authorised dealer of an experienced nationally reputed Specialist Sports Lighting Manufacturer.</p>	Agreed	
10.	Annexure - I, Technical Pre- qualification conditions, Sr No. 2.0, page 21/28		<p>Referred clause has mentioned that the specialist company should have carried out LED sports lighting of minimum 10 sports fields worldwide.</p> <p>We request to change this clause as ---- the Bidder should have carried out sports lighting of minimum 10 sports fields word wide.</p>	Agreed	
11.	Annexure - I, Technical Pre- qualification conditions, Sr No. 3.0, page 21/28		<p>Referred clause has mentioned that The LED sports lighting system offered should be of proven technology and must have been used in minimum 3 sports lighting projects worldwide.</p> <p>We request to change this clause as ---- The bidder should have received orders for at least 3 (three) LED sports lighting projects</p>	Acceptable Note: -Completion Certificate of the works should be attached with Technical bid.	

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12.	Annexure - I, Technical Pre-qualification conditions, Sr No. 4.0, page 21/28		<p>Referred clause has mentioned that The specialist company shall have to offer a direct 10 year FREE replacement on-site warranty towards the installed sports lighting system.</p> <p>We request to change this clause as 5 years free replacement on-site warranty instead of 10 years.</p>	No Change	
13.	Annexure - I, Technical Pre-qualification conditions, Sr No. 5.0, page 21/28		<p>In referred clause IIT has asked the specialist company to offer a direct commitment towards availability of spare parts and specialized services of the company as and when required for 5 years beyond the 10 year warranty period.</p> <p>We request to change this clause as ----- The Bidder to offer a direct commitment towards availability of spare parts and specialized services of the company as and when required for 5 years.</p>	No Change	
14.	Annexure - I, Scope of works, Sr No. 1.0, page 21/28		<p>Referred clause has mentioned that Lighting design computer models guaranteeing constant illumination levels on the field for 10 years and system engineering including structural design for the high mast and its foundation.</p> <p>We request to change this clause as ----- Lighting design computer models guaranteeing constant illumination levels on the field for 5 years and system engineering including structural design for the high mast and its foundation.</p>	No Change	
15.	Annexure - I, Scope of works, Sr No. 2.0, page 22/28		<p>Requirement is asked for ladder for high mast.</p> <p>Instead of this, we can provide motorised Manrider unit to access the head frame of mast. Manrider unit shall be common for all high mast. We request to please add this requirement in the tender specification.</p>	Motorised Manrider unit is acceptable but without any additional financial implication.	

16.	Annexure -I, Scope of works, Sr No. 3.0, page 22/28	Clause ask to provide LED sports flood light luminaries outdoor remote driver type complete with accessories. We would like to inform that drivers are Integral part of the LED flood light and not a separate item.	Acceptable	
17.	Annexure -I, Scope of works, Sr No. 4.0, page 22/28	Clause ask to provide outdoor Aluminium enclosure boxes housing remote drivers and supporting electrical equipments. We would like to inform that drivers are Integral part of the LED flood light and not a separate item. It is installed along with LED flood light. Hence, there shall not be separate drivers installed in metal enclosures.	Acceptable	
18.	Annexure -I, Scope of works, Sr No. 9.0, page 22/28	Requirement is Warranty and maintenance for 10 year period as per tender conditions. We request to change this clause for 5 years instead of 10 years.	No Change	
19.	Annexure -I, Floodlight LED luminaire, Sr No. 2.7, page 24/28	Clause says to prevent sagging of mounting cross arms and to allow easy maintenance the driver and other electrical accessories shall be mounted in a remote outdoor type electrical enclosure box at the base of the mast. As explained above, driver is an integral part of the LED luminaire and it mounts along with luminaire. Since it is in lesser weight and dimensions, it does not affect loading/deflection of the mast when it mounts on the headframe. Hence, we would like to inform that we will mount LED luminaires on the headframe instead of on ground level.	Acceptable	
20.	Annexure -I, Floodlight LED luminaire, Sr No. 2.10, page 24/28	Please note Class-H electrical insulation is not applicable for LED luminaires. We request to plesae remove this clause in the tender document.	Agreed	


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21.	Annexure - I, Internal Wiring, page 25/28	The complete description given in the clause 5.0 "Internal Wiring" is a proprietary product of one particular company. The standard practice is to lay cables inside the highmast and terminate the same to the flood lights on headframe. Metal conduit/pipe is not used for laying the cable. Hence we request to please change this clause as explained here.	No Change
22.	Annexure - I, General Requirement, clause no. 7.5, page 26/28	Requirement of wiring mentioned in clause no. 7.5 is pertaining to Indoor wiring application. This is not applicable for outdoor application. We request to please remove this clause in the tender specification.	No Change
23.	Annexure - I, Guarantee & Warrantees, clause no. 8.0, page 26/28	Clause says that the bidder must extend unconditional warranty against any material defect for a period of 10 years from the date of handing over. Further, the bidder should warranty accurate alignment/aiming of luminaire on its mounting assembly for a period of 10 years. We request in above clauses please change the requirement to 5 years instead of 10 years.	No Change
24.	Annexure - I, Guarantee & Warrantees, clause no. 8.0, page 27/28	Clause says to provide an annual light survey in the month of october over a period of 10 years. We request in above clauses please change the requirement to 5 years instead of 10 years.	No Change
25.		Please inform is there scope of Third Party Inspection in the job. If yes, please inform name of the preferred agencies.	Contractor choice of any Govt. Body is acceptable.
26.		Please provide list of makes for high mast structure.	As per Contractor /OEM Preference.


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27.		<p>To prepare lighting design, we need dimensions of stadium with preferred mast locations.</p> <p>Kindly provide the layout drawing (in Auto cad format) of the ground showing the football field, (athletic field – if it is there), swimming pool, surrounding road / pathway, all adjacent boundary wall , rain water drainage line, substation/power source location etc. It is required to locate the mast, preparing the illumination design & electrical system & smooth execution of the projects as well.</p>	Attached	
28.		<p>Is it only football ground or athletic track shall be there all around the football ground? Shall the mast be located just adjacent to the football field or outside the athletic track? – need complete layout drawing to decide the location of mast. Mast height shall be considered based on position of mast only (distance of mast from the longitudinal centre line / centre point of the football field).</p>	Football ground Only	
29.		<p>Size of football field mentioned in the tender is 100m x 80m. It is not the standard football field dimension. As per FIFA guideline, it is 105m x 68m. (for lower side, it may be 100m x 65m). Kindly review & confirm.</p>	No Change	
30.		<p>Is there any spectators stand canopy / building to be constructed adjacent to the football field that may obstruct the FOP lighting? – if it is there, please share all obstruction details.</p>	Attached	
31.		<p>Please provide Soil Bearing Capacity to offer civil foundation rates in offer.</p>	In contractor Scope	


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32.	Design Parameter, Page 23/28	Referred clause ask design high mast for wind speed 180Km/Hr as per IS-875, part-III. We would like to inform you that as per IS-875, Indore region comes under wind zone of 141 Km/Hr (39m/s). Hence we request you to please confirm once again desired wind speed.	No change
33.	Detail technical Specifications of LED Lighting System, Point no. 1.11, Page 24/28	Please provide Soil Bearing capacity (SBC) to offer civil foundation rates in the offer.	Contractor scope
34.	Page no. 23 of 28 (design criteria...point no. b & c)	Horizontal uniformity level U2(minimum/average): 0.75 & U1(minimum/maximum): 0.60 seems to be on higher side. As per FIFA class-1, the uniformity level of U2(minimum/average) : 0.50. & U1(minimum/maximum): 0.40 can be considered. Please confirm.	No Change
35.	Page no. 23 of 28 (design criteria)	The maintenance factor of 0.70 seems to be in lower side. For LED floodlighting system, the maintenance factor of 0.85 can be considered, as it has very less lumen depreciation as compared to HID system. Please confirm.	Maintenance Factor can be varied as per OEM design, However the Lux Level should be constant for 10 years.
36.	Design parameter	Luminaire wattage to consider: Somewhere it is 400w minimum , 1000w minimum etc. Please clarify the wattage of the luminaire to be considered.	Minemacro 400 Wat
37.	Page no. 25 of 28 (sl. No 3.2)	As per FIFA guideline, the colour rendering index can be considered as: > 65. You are requested to consider the Ra. of 70 instead of 75.	Agreed


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38.	General Requirement, Point no. 7.6, Page 26/28	<p>Clause ask to supply & lay cable from nearest sub-station to ground main panel.</p> <p>Please inform the distance between sub-station to Main panel so as to calculate length and size of the cable. Also you may please show the location of sub-station on the AutoCAD layout.</p>	900 Mtrs	
39.	General Requirement, Point no. 7.9, Page 26/28	<p>Clause ask to execute Copper plate earthing with GI strips.</p> <p>Please clarify how many earthing pits to be executed in the project.</p>	As per design requirement But minimum Four Nos.	
40.		<p>We understand that the bidder scope starts from tapping the power supply from nearest sub-station. IIT shall inform the source so as to calculate cable length.</p> <p>Power supply shall be fed to Main panel and then to Highmast Lighting Distribution Board (HMLDB). Further it will be fed to light fixtures on highmast.</p> <p>Please confirm.</p>	Cable Length = 900 Mtrs. From Electrical Sub station to HMLDM	
41.	Bid Evaluation Criteria, page 28/28	<p>Please confirm has the bidder to submit Bid Evaluation Criteria (BEC) during offer submission ? If yes, then pls clarify below points.</p> <p>A) Since this is a price part, there is no separate space provided on the portal for submission of BEC. Please clarify.</p> <p>B) Please elaborate the BEC in the pre-bid meeting with an example so that bidder can understand the same without any doubt.</p>	Price(BOQ) bid sheet modified	MMS



42.	Bid Evaluation Criteria, page 28/28		<p>Referred to the clause, please clarify following points:-</p> <p>A) You have mentioned 1200 hours in the calculation. Please clarify why 1200 hrs are considered or what is the significance of the same?</p> <p>B) What is the Base quoted price (Pg) to be considered for calculation ?</p> <p>C) What is the Unit Electricity charges (Ec) to be considered for calculation ?</p> <p>D) Please specify Fc i.e. Fixed component of Electricity charges corresponding to installed load</p>	<p>A. (365 days x 3.25 hrs/day)</p> <p>B. Contractor price</p> <p>C. 6.7 Rs.</p> <p>D. 430 Rs.</p>	
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Bid Submission Schedule:

Last date of bid submission: 10th July, 2018 upto 03.00pm(IST)

Opening of Technical bids: 11th July, 2018 upto 03.30pm(IST)

All prospective/willing bidders are requested to take note of this report as part of the Tender document. All other parts of the tender including the terms and conditions of the will remain Unchanged.


Dy. Registrar (MM)

-End of the report -

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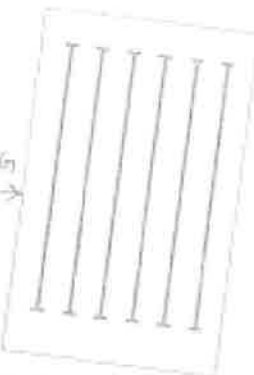
LAKE 04

PARKING P05

SP01

SPORTS
COMPLEX

SWIMMING
POOL



21
MTRS

80 MTRS

FOOTBALL
GROUND

SP02

100 MTRS

21
Mtrs

→ This sym
Shows f
Mast. L

← ROAD to
Gate no. 1

