



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर-81, नॉलेज सिटी, प० ओ० मनोली, एस० ए० एस० नगर, मोहाली, पंजाब 140306

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI

(Established by Ministry of Human Resource Development, Govt. of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

PAN No. - AAAAI1781K GSTIN No:- 03AAAAI1781K2ZS

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CPPP/Institute Website

IISERM (1236)19/20Pur

Dated: 13th August 2019

NOTICE INVITING E-TENDER

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for the **Supply and Installation of 400W LED Flood Light-1236** as per technical specification and details given below and BOQ list from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app&> Institute website www.iisermohali.ac.in.

-sd-

(Mukesh Kumar)
Assistant Registrar (P&S)



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E-TENDER NOTICE

Tender Ref.- IISERM(1236)19/20Pur	Dated :- 13 th August 2019
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Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	13 th August 2019	6:00pm
2.	Tender Document download start Date & Time	13 th August 2019	6:00pm
3.	Bid Submission start Date & Time	13 th August 2019	6:00pm
4.	Bid Submission End date and Time	12 th September 2019	Upto 11:00am
5.	Tender opening Date and Time	13 th September 2019	At 11:30am

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** {Technical and commercial separately} for the following item(s) from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in. Tender fee in shape of DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs 14000/- should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali. However, scanned copy of the both tender fee and EMD should be upload on website along with technical bid part. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received within due date the bid will be rejected summerly.

The Original EMD and Tender Fee should be sent to:

Assistant Registrar (S&P)
Indian Institute of Science Education and Research Mohali
Sector-81, Knowledge City, SAS Nagar, Mohali, Punjab,
India, Pin: 140306

Non-receipt of original EMD and Tender Fee will lead to rejection of tender.

Item Details: -

Sr.	Description	Qty. (In units)
1.	<u>Supply and installation of 400W LED Flood Light White Colour for Sports Ground</u> 1. Make: Bajaj, Philips, Wipro, Leksa Lighting, Crompton Greaves, Oak LED with Two Years Warranty. 2. Detailed technical specifications and conditions mentioned in Annexure-A	8

SUBMISSION OF TENDER

- I. All bid/ tender documents are to be uploaded online at Central Public Procurement portal i.e. <https://eprocure.gov.in/eprocure/app> only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained except tender fee and EMD. Late tenders will not be accepted.
- II. The online bids shall be opened at the office of the Assistant Registrar (P&S), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while downloading by the Bidder.
- III. The bidder shall upload the tender documents duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.
- IV. The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped. **Also bidders applying against ‘MSME/NSIC Certificate’ issued by appropriate Authority, should ensure that the certificate attached is relevant to the area of service/supply. For example, If the tender is for “supply & installation of Desktop” the certificate should be issued for activity/area of “Computer supply and services activities etc” otherwise bid will be REJECTED without notice.**
- V. E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

INSTRUCTIONS:

1. The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.
2. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID.
3. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier

from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. Conditional tenders will be summarily rejected.

4. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.
5. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY under notification no- TU/V/RG/-CDE(1062)/201 CUSTOM DT.30.08.2016.
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. Concessional GST is applicable for all the items purchased for Research labs vide Ministry of Finance, notification no. 45/22017 dated 14.11.2017 and 47/2017 dated 14.11.2017.
8. Bidder/s quoting in currency other than **Indian Rupee (INR)** should explicitly mention the currency in which tender quoted wherever applicable in Technical Bid along the tender documents.
9. The delivery period should be specifically stated. Earlier delivery will be preferred.
10. The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
11. Validity of offer: 90 days. The minimum warranty period will be one year where not specified in along with Technical specification after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee @ 10 % of the value of supply order as per norms may be sought from the firms.
12. The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website <https://eprocure.gov.in/eprocure/app> and <http://www.iisermohali.ac.in>
13. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

-sd-
(Mukesh Kumar)
Assistant Registrar (P&S)

Annexure-A

I. SPECIFICATIONS OF SPORTS LED FLOOD LIGHTS

1. Minimum ≥ 110 lm/W, 300 lumens minimum to be achieved.
2. Light colour should be neutral white with a minimum effective colour temperature of 4000 K minimum.
3. Colour rendering Ra should be minimum 65.
4. Minimum IP rating should be 65.
5. Power input should be 220-240V, 50Hz.
6. Luminaries must be able to withstand ambient air temperatures of 0-50 degree Celsius. In case ambient temperature increases beyond 48 degree Celsius along with increase in sunlight falling on the luminary, then it should be able to withstand such extreme conditions, including other weather phenomena like dust and hail storms, strong winds, heavy rains etc.
7. Minimum fixture running hours capability to be 50,000 hours.
8. Maximum allowable drop in luminosity at the end of luminary life to be up to 20%.

II. DETAILED TECHNICAL SPECIFICATIONS AND TERMS & CONDITIONS

A) For normal training purposes the following light levels are required. Two separate switches for luminaries required to accomplish points 1 & 2 and for point 3 should be considered:

- 1) 200-300 lux with a uniformity of 0.5 and $Ra \geq 65$ on the central pitch and in the penalty/goal area of the soccer ground
- 2) ~200 lux with a uniformity of 0.5 and $Ra \geq 65$ for the inner circle of the cricket pitch and the rest of the soccer ground
- 3) ≥ 100 lux with a uniformity of 0.5 and $Ra \geq 65$ for the outfield, running track, long jump pit and kabaddi area
- 4) 300-400lux with a uniformity of 0.5 and $Ra \geq 65$ for volleyball and basketball courts

B) For competitions/matches the higher light levels are required. There should be a separate switch for the luminaries required to augment the lighting to the required level on such special occasions. These requirements are:

- 1) 300-400 lux with a uniformity of 0.5 and $Ra \geq 65$ on the central pitch
- 2) ~300lux with a uniformity of 0.5 and $Ra \geq 65$ for the inner circle of the cricket pitch and the rest of the soccer ground
- 3) 250-300 lux with a uniformity of 0.5 and $Ra \geq 65$ for the outfield and running track
- 4) For competitions the original light design provided by CPWS & Bajaj should be the guiding principle.

C) Minimum technical requirements for the LED luminaries

- 1) **IISER's responsibility will only be limited to provide input supply through cable to the control box and thereafter all switchgears inside the control box and thereafter the remaining wiring and light is under the scope of the vendor.**
- 2) **Present design including position and height of existing poles needs to be considered by the vendor while providing the lighting plan and design. Exchange/shifting of the poles themselves is not envisaged.**
- 3) At present in the cricket ground there are 29 fixtures of 2000 W each (7 on each of the four poles). In case a larger number of luminaries with a lower power per luminary (e.g. five 400 W luminaries shining at different angle) are proposed to accomplish the specified light levels for all portions of the stadium, the same should be pre-mounted with frames that allow the proposed luminaries to be fixed to the available number of fixtures.
- 4) **It should be the vendor's responsibility to protect/insure the luminaries against potential input power related problems and external events such as all types of power surges including lightning strike, input power phase reversal, natural acts like storms and other potential miss happenings. In case luminaries are damaged due to such factors the exchange should be covered under the AMC.**
- 5) Luminaries are to be installed outdoors and must be suitable to withstand ambient air temperatures between 0-50°C. In case the casing of the luminary becomes an additional heat source when the ambient temperature are >48°C and a direct light with an intensity of >800 W/m² falls onto the luminary, the luminary must be suitable to withstand a larger temperature range. Any damage arising out of temperature fluctuations are the sole responsibility of the vendor.

D) Minimum requirements for warranty and AMC terms

- 1) Keeping in mind the 50,000 hour of high end LED fixture's the vendor should provide at least a 2-year warranty. A performance bank guarantee should be held till the end of the warranty period. The vendor should also provide a 10 year AMC covering (i.e. an AMC covering half of the lifetime of the luminaries).
- 2) Payment for the AMC should only be released quarterly or half yearly after the sports instructor and the SRC sport representative certify that all the lights are in working order.
- 3) In case of a total failure of a luminary the vendor should report to inspect the problem within 48 hours of being notified of the same by e-mail. The dysfunctional luminary should be replaced or repaired within 7 days.
- 4) Given that the lights will only be used 3-5 hours per day (<20,000 hours in 12 years) and the lifetime of high end LED luminaries is 50,000 hours, the vendor should guarantee that the luminosity will remain within 20% of the original level from the time of installation till the end of the AMC period (2+10 years). SRC in collaboration with the sports instructor will take responsibility to measure the lux level on the field with all lights on twice per year and will report if the performance drops more than 20% below the specified level. If the drop is confirmed by independent measurements the vendor must take the necessary steps to bring the light level back to the specified range. Measures to be taken may include the required cleaning of the luminaries from dust, augmentation or luminaries or replacement to ensure the light level remains within 20% of the specified values for the different parts of the field. The costs for this should be covered under the AMC.
- 5) The cost of the proposals should be evaluated based on the sum of the initial investment and AMC costs, to provide equal opportunity to vendors offering high end LED luminaries with higher initial cost, longer lifetime and lower maintenance costs during tendering.
- 6) Not more than 60% of the total and not more than 90% of the luminary cost should be paid after successful installation. At least 10% of the luminary cost should in the form of the performance bank guarantee to be paid at the end of the warranty period. The AMC charges should be paid quarterly or half yearly after the SRC and sports instructor certify the system is in working condition to ensure the vendor has sufficient interest in maintaining the system well.
- 7) On all important events like inter IISER tournaments etc. the contractors are to depute a technician to take care of any eventualities related to the lightening system.
