



अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छत्तीसगढ़)
All India Institute of Medical Sciences, Raipur (Chhattisgarh)
 Tatibandh, GE Road,
 Raipur-492 099 (CG)
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NIQ-23 (2nd Call)/SE/AIIMS/RPR/2017 -2018 /

Dated:-06.04.2018

NOTICE INVITING QUOTATION

Sealed Item Rates quotations for the below mentioned work are hereby invited by the and collected by the Superintending Engineer on behalf of Director AIIMS Raipur From approved and eligible Contractors/Firms/Individual/Supplier having GST No./TIN/PAN No./Relevant documents along with Earnest Money in The form of Demand Draft or Pay Order or Banker's cheque or Deposit at Call Receipt Or Fixed Deposit Receipt of a Scheduled Bank(drawn/pledged in favour of AIIMS Raipur) should be submitted to office of Project Cell, Hospital Administrative Block Gate No.-1, AIIMS Raipur up to 03:00 pm on 19 April 2018 Thursday. The quotation will be opened on the same day at 3.30 pm.

The right to reject of any or all the quotations without assigning any reasons thereof shall rest with undersigned.

As per below work:-

Sl No	NAME OF WORK	E.M.D in ₹	TIME
1	Replacement of Existing 250W MH lamp street light fitting by 90W LED fitting at AIIMS Raipur.	Rs.16,500 /-	2 Months

SCHEDULE OF QUANTITY

Sl.	Description of items	Quantity	Rate	Unit	Amount
.....As PER SHEET ATTACHED.....					

Terms & Conditions:-

- The rates are to be quoted in words and figures including GST, octroi, transportation etc.
- OEM/Supplier/Distributor shall provide authorization certificate from the manufacturer at the time of bid submission.
- The work will be executed as per specification and direction of the Engineer-in-Charge.
- Minimum Five Year warranty in LED Street Light, rectification, maintenance, replacement will be on scope of contractor.
- Earnest Money will be release after successful completion of SITC work.
- 5% security deposit will be deducted From Each bill and will be released after successful completion of warranty period.
- Material shall be supplied directly at FOR AIIMS Raipur by the manufacturer & regarding receipt of material invoice shall be got signed & certified by the representative of AIIMS Raipur, After receipt of material responsibility of security and storage shall be done by contractor at AIIMS Raipur, However space will be provided by AIIMS Raipur.
- Bidder should submit 3 envelope format, one envelop for technical bid contains EMD with all technical specification and documents ,2nd envelope only for financial bid. This two envelop will be placed in third envelop.
- All document related to technical specification and authorization should be sealed and signed by contractor.

Superintending Engineer
AIIMS, Raipur

Copy to:-

- The Director , AIIMS Raipur
- The DDA, AIIMS Raipur
- The MS, AIIMS Raipur
- IT Department, AIIMS Raipur
- JE (E), AIIMS Raipur
- Notice Board, AIIMS Raipur

For information.

For Display in AIIMS Website.

- For necessary action.

- For Display.

Superintending Engineer
AIIMS, Raipur

SCHEDULE OF QUANTITY

Name of Work :- Replacement of Existing 250W MH lamp street light fitting by 90W LED fitting installed at AIIMS Raipur.

S.No.	Description	Qty	Unit	Cost per unit (Inclusive GST)	Total Cost (In Figure)	Total Cost (In Word)
A	Supply of 90W LED Street Light Technical specification- attached as per annexure-1 (Contains 4 pages) Make:- Wipro ,Philips, Bajaj, Crompton greaves ,osram.	90	Nos.			
B	Installation, Testing and Commissioning of 90W LED street Light	90	Nos.			
C	providing and laying 2.5 sq. mm ISI marked, FRLS PVC insulated, three core copper conductor cable for street light pole. Make: Polycab, Havells, finolex or equivalent	1080	Mtr.			
D	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the MCB complete withneutral termination, connections, testing and commissioning etc. as required. Make: L&T, ABB, Schneider or equivalent	50	Nos.			
E	BUY Back of old fitting of 250w MH lamp	90	Nos.			
Grand Total(A+B+C+D-E)						

In Word -

Seal and signature of contractor



Superintending Engineer
AIIMS Raipur



26/06/18



26/06/18

Technical specification for 9000 lumen (Min), 90 W (Max) LED Street light fixture

ANNEXURE -1

Sl. No	Parameters	AiIMS Raipur Requirement	Test to be carried out/document to be submitted	Bidders Confirmation
1	Brief description of the LED Street Light Fixture	LED street light fixture, lumen output - 9000 lumen (min) , total watt (including driver) - 90W (max) , fixture luminous efficacy - 110 lumen/watt (min) , suitable for mounting on 40-60 mm OD pipe bracket, rest as per specification mentioned below. high power bright white LED's with wattage shall be greater than 1w and less than 3w.	Bidder shall be authorised dealer of the luminaire including its driver and shall submit the following: (1) Documents confirming to be in the field of manufacturing of LED luminaire and driver. (2) Printed detailed technical catalogue of the offered model. (3) Type test reports from a NABL Acc. Lab conforming to latest LM-79 and latest IS 10322 & IS 16104 for the offered luminaire (reports shall not be more than 3 years old from the date of enquiry)	Make: _____ Model: _____ List of Documents and Type test reports submitted
2	Total power consumption at 240VAC ± 5%	90W max including driver (+5% tolerance shall be allowed)	NABL Acc. Lab test report	_____ W ref at page# _____ of submission
3	Lumen Output	9000 lumen (min.)	NABL Acc. Lab test report	_____ lm ref at page# _____ of submission
4	Input voltage	240V ± 5% AC	Mention value	_____ V AC _____ to _____ V
5	Operating Voltage & Surge Protection	AC 160-265 Volt universal electronic driver with inbuilt surge protection of minimum 4KV.	NABL Acc. Lab test report	Surge: Internal _____ KV External _____ KV ref at page# _____ of submission
6	Input Frequency	50 Hz (± 3Hz)	NABL Acc. Lab test report	_____ Hz ref at page# _____ of submission
7	Usage Hours	10 Hours per Day	To confirm	Yes/No
8	Power Factor	≥ 0.95	NABL Acc. Lab test report	_____ of ref at page# _____ of submission
9	LED Make	Nichia / citizen/ Lumileds / Cree/Bridgelux peanut shaped lens should be provided for each LED.	Manufacturer of luminaire shall submit proof of procurement of LEDs and submit LM-80/ IS 16105 Test Reports of specific LED.	Make: _____ Model: _____ ref at page# _____ of submission

10	Colour Temperature (°K)	5500+/- 300k	LM-80 / IS 16105 test report from NABL Acc. Lab	_____ degree k, ref. at page# _____ of submission
11	Reported L70 (Lumen maintenance)	> 50000 hrs. at ≥ 700mA at highest test case temperature.	LM-80 / IS 16105 test report from NABL Acc. Lab	_____ hrs. ref at page# _____ of submission
12	Working Temperature	5°C to 50°C	To confirm	_____ to _____ of ref at page# _____ of submission
13	Colour Rendering Index(CRI)	Ra 70 (min.)	LM-80 / IS 16105 test report from NABL Acc. Lab	> _____ of ref. at page# _____ of submission
14	Total Harmonic Distortion (THD)	< 10%	NABL Acc. Lab test report	_____ % Ref. at page# _____ of submission
15	Driver	The luminaire manufacturer shall be manufacturer of the driver and shall use driver of their own make in each luminaire.	To confirm. Documents confirming to be in the field of manufacturing of driver shall be submitted.	Yes / No Ref. at page# _____ of submission
17	Driver	The luminaire manufacturer shall furnish a self declaration that the same own make and model of driver, used during LM79 test, has been used in all luminaire supplied and test report of the same driver is furnished.	Self declaration	Ref. at page# _____ of submission
18	Driver	Isolated type multistage Constant Current, constant voltage topology type On each driver its part no., technical details and logo of manufacturer shall be marked, luminaire shall have top openable driver compartment.	To confirm. Acc. Lab test report.	Yes / No Ref. at page# _____ of submission
19	Driver Specification with protections	160-270 Volt universal electronic drivers with protection of minimum 4.0 kV internal surge plus 10KV external surge, Under Voltage, Over Voltage, Short Circuit, open circuit, no load, over load EMI, Environmental	NABL Acc. Lab test report	Yes / No If yes ref. at page# _____ of submission
20	Beam Angle	Batwing profile (Throw-60° (min.) & Spread-30(min.)) with PMMA lenses.	NABL Acc. Lab test report	Yes / No If yes ref. at page# _____ of submission
21	LED efficacy	110lm/w (min.)	To confirm	_____ lm/W ref. page# _____ of submission

22	Body of luminaire with cover	Single pressure die-cast aluminum/ Stainless Steel housing & frame with corrosion resistance powder coated with Manufacturers name embossed / engraved on the die cast housing to allow traceability till life of fixture with IP-66 protection with suitable Heat resistant toughened glass top openable. LEDs and driver shall be in housed in separate chambers for ease of maintenance, driver to be integral part of the fitting.	To confirm	Yes / No reference on page# _____ of submission
23	Mounting	(1) Suitable for pole mounting on 40 mm to 60 mm OD pipe complete in all respect with bracket & locking bolt. (2) All the accessories such as screws, nuts, bolts etc. shall be of either SS or brass conforming to relevant IS. (3) For connection, suitable size of Cu. cable shall be provided with min. ½ meter length (outside fixture) along with 3 way 10A connector.	To confirm	Yes / No
24	Thermal Management	LED must be mounted on heat sink conductive aluminium with suitable large surface area with fins to dissipate the heat to ambient air and block any accumulation of dust. Luminaire body temperature shall not exceed 30°C from the ambient even after continuous operation of luminaire for 24 hrs.	NABL Acc. Lab Test report	Yes / No (if yes ref. at page# _____ of submission)
25	Electrical and photometric measurement	Test report of offered LED Luminaire for CCT, CRI, luminous flux and luminous efficacy (Luminaire).	LM-79 test report from NABL Acc. Lab.	Yes / No If yes reference at page# _____ of submission
26	biological safety and blue light assessment	as per IEC-62471 and for blue light assessment as per IEC/TR 62778	To confirm	Yes / No If yes reference at page# _____ of submission

27	pole mounting	Mounting height of fixture is 9 Mtr with arm length 1.5 Mtr ,pole sapan 24 Mtr road width 12 Mtr the average lux should be 20 with uniformity .67 minimum lux should be 15 lux on road end.	Dia-lux report as per specification.	Yes / No if yes reference at page# _____ of submission
28	Electrical safety as per IEC.	As per IEC safety standards. (latest IEC 17025;2005)	NABL Acc. Lab test report as per latest	Yes / No if yes reference at page# _____ of submission
29	GC/WC	5 years for complete fitting	To confirm	Yes/No
Note:	* Inspection Norms	1. Wattage, Model and Make of the Fixtures should be same as accepted techno- commercially. 2. LM-79 & LM - 80 test certificate copies along with the supply. 3. GC/WC for 5 (five) years for complete fitting.		
	* All test reports submitted shall be from NABL accredited Laboratory	all reports shuold be sealed and signed by contractor	bidders confirmation column compulsory filled	



 STS Baluw
 06/04/2018
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