

### Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 17:00:00
Bid Opening Date/Time	20-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Madhya Pradesh
Department Name	Urban Development And Environment Department
Organisation Name	N/a
Office Name	Municipal Corporation Katni
Total Quantity	50
Item Category	LED Tube for Railway coaches - Retrofitment
Experience Criteria	1 Year (s)
MSE Exemption for Years Of Experience	Yes
Startup Exemption for Years Of Experience	Yes
Document required from seller	Experience Criteria,Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM

{themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

## LED Tube For Railway Coaches - Retrofitment ( 50 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Technical requirements for Energy efficient LED Tube for retrofitment in railway passenger coaches	as per ICF/ELEC/960 dt.4.12.17 issued by O/o CDE/Elec. ICF, Chennai-38	*
	Specification seen and understood	Yes	*
	<b>Type of Tube</b>	Type A - 9W (max,) - 2 feet	Type A - 9W (max,) - 2 feet
	<b>Operating voltage range available as input</b>	90 to 170 V AC	90 to 170 V AC
	<b>Supply voltage (Nominal)</b>	110 V AC/DC	110 V AC/DC
	The over voltage trip shall be set between	200 V to 205 V AC (RMS)/DC	*
	As soon as voltage comes below 200 V AC (RMS)/DC , the tube shall switch on automatically	Yes	*
	<b>The driver shall be</b>	separate unit design	separate unit design
	<b>Ingress protection as per IEC:60529 latest</b>	IP65 for external driver	IP65 for external driver
	Construction	as per CI 5.0 of ICF/ELEC/960 dt.4.12.17	*
	Total harmonic distortion (THD) shall be	<= 10 %	*
	The Power factor of LED tube shall be	>= 0.9	*

LED driving current	<80% of absolute maximum forward current	*
LED Controller ( Driver ) Internal or External shall be EMI/EMC compliant	Yes	*
The working life of LED Tube shall be	>/=40,000 hours	*
Suitable for continuous operation of	24 hrs/day	*
LED Junction temperature shall be	<85 deg. C	*
Colour Temperature of white colour LED	5700 K - 6500 K	*
<b>Average Illumination level of tube (in LUX)</b>	90 for Type-A	90 for Type-A
Beam angle / View angle (typical)	>/= 120 Degree	*
Adequate heat sink with proper thermal management shall be provided	Yes	*
Maximum ambient air temperature (in deg C)	55	*
Minimum ambient air temperature (in deg C)	-5	*
Max Relative humidity	98%	*
Atmosphere Extremely dusty and desert weather and desert terrain in certain areas The dust contents in air may reach as high values as	1.6 mg/m3	*
The equipment shall be designed to work in coastal area in humid, salt laden and corrosive atmosphere	Yes	*
The altitude (above sea level) - in meter	<1200 m	*
Annual rainfall with thunder storm	1750 to 6250 mm	*
Max pH value	8.5	*
Sulphate	7 mg/iitre	*
Max concentration of chlorine	6 mg/litre	*

WARRANTY/CERTIFICATION	Max Conductivity	130 micro sec/cm	*
	Replacement guarantee from the date of commissioning	60 Months	*
	Replacement guarantee from date of supply	66 Months	*
	Seller shall furnish LM 80 & TM 21 report to buyer on demand for Lumen maintenance and lift test	Yes	*
	LED used shall be (Certificate shall furnish to the buyer on demand)	UL certified with UL Number	*
	Type test, Acceptance test and Routine test	as per Cl.7.4 of ICF/ELEC/960 specn., dt.4.12.17 issued by O/o CDE/Elec. ICF, Chennai-38	*
	Availability of type test reports from any Central Govt laboratory / ILAC approved laboratory / NABL aproved laboratory Type test reports shall be furnished as and when requested to do so by Purchaser,Indent or,Consignee etc, Test reports as per Specn No ICF/ELEC/960 dt-4-12-17 issued by O/o CDE/Elec ICF, Chennai-38	Yes	*
	Test Report Number	-	*
	Test Report Date	-	*
	Name of testing lab	-	*
	Address of testing lab	-	*

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Sudhir Mishra	483501,MAHARANI LAXMI BAI WARD, , KATNI	50	15

## **Bid Specific Additional Terms and Conditions**

1. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
2. **Experience Criteria:** The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 1 year before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
3. **Scope of supply (Bid price to include all cost components) :** Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
4. **Availability of Service Centres:** Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
5. **Dedicated /toll Free Telephone No. for Service Support :** BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
6. **Escalation Matrix For Service Support :** Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
7. **ISO 9001:** The bidder must have ISO 9001 certification.
8. **Material Test Certificate Should Be Sent Along with The Supply.** The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.
9. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
10. **Timely Servicing / rectification of defects during warranty period:** After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 5 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
11. **Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location.** OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service

Centres near consignee destinations are to be uploaded along with the bid

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**