

### 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 Luminaire (Recessed Luminaire)
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 Luminaire (Recessed Luminaire) ( 50 pieces )

### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
STANDARDS	Conformity to Indian Standard	IS:10322/part 5/sec-2/2012 and IS 16107 (Part 2/Sec 1) : 2012 for Recess type	*
	Photo biological safety of LEDs used shall be as per IS:16108/2012 (exempt group)	Yes	*
	DC or AC supplied electronic control gear for LED Module shall comply as per IS:15885 (Part 2/Sec.13)	Yes	*
	Luminaire Class (as per Cl. 2.1 Section 2 of IS: 10322 (Part-1)	Class I	*
	Types of LED Modules as per the IS: 16103(Part-2)/2012	Type 3	*
	<b>Rating of Recess type LED Luminaire/System Wattage/Rated Power</b>	20W	20W
	Light Intensity(System Lumens) 80 Lm/Watt for 3000 deg K, 90 Lm/Watt for 4000 deg K, 100 Lm/Watt for 6000 deg K	Yes	*
	Color tempeprature (+/- 500 K)	3000 deg K	*
	<b>Type of fixture (in</b>	1x1 (for 18W to 28W)	1x1 (for 18W to 28W)

	<b>feet)</b>		
CONSTRUCTIONAL	Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest (Minimum)	IP20	*
	Mounting type	Recess type	*
	Diffuser material	Acrylic	*
	The luminaire body must be corrosion resistant epoxy powder coated / anodizing	Yes	*
	All fasteners must be of nickel/chrome plated	Yes	*
	Number of electronic control gear (power supplies)	1	*
	Light Source	SMD LED Chip as per LM 80/IS16106	*
	Warranty for free replacement	3 Years	*
ELECTRICAL EFFICIENCY MANAGEMENT	Operating Voltage and frequency range	140V to 280 V at 50 Hz AC	*
	Rated voltage	230 V AC 50 Hz	*
	AC Power Factor	≥ 0.90	*
	Driver Efficiency	≥85	*
	Total Harmonics Distortion ( ≤ 20% (for upto 20W) (<=10% (for above 20W)	Yes	*
	The total circuit power shall not be more than 110 percent of the value declared by the manufacturer (as per Cl 8 of IS:16104:2012 latest)	Yes	*
OPTICAL MANAGEMENT	<b>LED chip Efficacy (≥130 Lm/Watt for 6000 deg K, ≥120 Lm/Watt for 4000 deg K, ≥110 Lm/Watt for 3000 deg K)</b>	Yes, with higher efficacy ≥140 Lm/Watt	Yes, with higher efficacy ≥140 Lm/Watt
	Working life for LED : (Minimum 50,000 burning hours as per LM-80 report)	Yes	*
	Colour Rendering	≥80	*

	Index(CRI)		
	Beam Angle	≥120	*
	Reflector type	Diffuser	*
THERMAL MANAGEMENT	Fixture / Luminaire should be die-cast aluminium /CRCA/Extruded aluminium	Yes	*
	Capacitor shall be rated for a temperature of 105 deg. celsius or better	Yes	*
	Junction temperature / soldering temperature	< 85 deg C	*
	Operating temperature range	-10 deg. C to +50 deg. C	*
	Humidity Range	10 % to 95% RH	*
PROTECTION	Short circuit Protection	Yes	*
	Over load protecton	Yes	*
	High voltage test (1.5 KV for one minute between supply terminals and body of the unit)	Yes	*
	Insulation resistance between earth and current carrying part	>100 M ohm	*
	The luminaire shall be protected against surges and transients of ≥2.5 KV	Yes	*
MARKING	Manufactures Name and brand shall available on the body of the Luminaire	Engraved/Embssed	*
	Each LED liminaire shall have the manufacturer's name, model number, serial number, date of manufacture (month-year), and lot number as identification mark inside each unit and the outside of each packaging box	Yes	*
	The operation characteristics such as rated voltage and rated	Yes	*

	power in watts shall be marked inside each LED luminaire unit		
REPORTS AND CERTIFICATIONS	LED Make	EVERLIGHT / EDISON / BRIDGELUX / NATIONSTAR / SEOUL / SAMSUNG / OSRAM / REFOND / NICHIA / CREE / LUMILEDS / PHILIPS / SYSKA / LUMENMAX	*
	LM 79 (Photometry) (Ref.IS:16106:2012) report from Central Government LAB /NABL/ILAC accredited lab. Reports shall be furnish to the buyer on demand (LM-79 report shall have total lumen output, power, PF, Current in Amps, CRI & CCT etc.,)	Yes	*
	LM 80 &TM21(Ref. IS:16105:2012) Report and Photo biological report for LED report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer on demand (LM-80 report shall have the Photo Biological report of the LED Chip being used in the luminaire)	Yes	*
	Availability of test Report from Central Government Lab /NABL/ILAC accredited lab to Indian Standrad IS:10322/part 5/sec-2/2012 and IS 16107 (Part 2/Sec 1) : 2012	Yes	*
	Seller has to furnish Type test report to the buyer on demand	Yes	*
	DC or AC supplied electronic control gear for LED Module shall complpy as per IS:15885 (Part 2/Sec.13)	Yes	*

	LED Luminaire for recess type shall comply with Compulsory Registration(CRS) of BIS for safety as per IS 10322 (Part 5/Section 2): 2012 as applicable on date	Yes	*
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\* 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. 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.
2. 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.
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 2 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---**