

Bid Document

| Bid Details | |
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| Bid End Date/Time | 25-07-2020 19:00:00 |
| Bid Opening Date/Time | 25-07-2020 19:30:00 |
| Bid Life Cycle (From Publish Date) | 90 (Days) |
| Bid Offer Validity (From End Date) | 30 (Days) |
| Ministry/State Name | Uttar Pradesh |
| Department Name | Urban Development Department Uttar Pradesh |
| Organisation Name | E-municipalities - Eservices To Citizens And Employees Of Urban Local Bodies Of Uttar Pradesh |
| Office Name | Nagar Panchayat Malihabad |
| Total Quantity | 100 |
| Item Category | LED Luminaire (For Road and Street Lights) |
| Experience Criteria | 2 Year (s) |
| MSE Exemption for Years of Experience and Turnover | No |
| Startup Exemption for Years of Experience and Turnover | No |
| Document required from seller | Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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 |
| Past Performance | 80 % |
| Bid to RA enabled | No |
| Inspection Required | No |

EMD Detail

| | |
|----------|----|
| Required | No |
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ePBG Detail

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| 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.

2. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

LED Luminaire (For Road And Street Lights) (100 pieces)

Technical Specifications

* As per GeM Category Specification

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|----------------------|--|----------------|---|
| STANDARDS | LED Luminaire conformity to IS:10322/Part 5/Section 3/2012 latest and IS: 16107 (Part 2/Sec 1):2012 latest | Yes | * |
| | Photo biological safety of LEDs used shall be as per IS:16108/2012 (exempt group) | Yes | * |
| | Types of LED Luminaire as per the IS: 16107(Part-2/ Sec.-1)/2012 | Type B | * |
| | Types of LED Modules as per the IS:IS: 16103(Part-2)/2012 | Type 3 | * |
| | LED Rating (in Watts)/System Wattage/Rated Power | 90W | 90W |
| | Luminaire System | >= 100 Lm/Watt | * |

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|-----------------------|---|---------------------------------|---|
| | Efficacy (Lumen/watt) | | |
| | Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest | IP66 | * |
| | Warranty for free replacement (in years) | 5 | 5 |
| ELECTRICAL EFFICIENCY | Input operating Voltage range and frequency | 90 to 300 Volts AC at 50 Hz+/-2 | * |
| | Automatic Higher Cut off voltage above 300 volt | Yes | * |
| | Rated voltage | 230 V AC 50 Hz | * |
| | AC Power Factor at full load | ≥ 0.95 | * |
| | Driver Efficiency (in %age) Upto 100W: $\geq 85\%$, Above 100W: $\geq 90\%$ | Yes | * |
| | Total Harmonics Distortion | ≤ 10 | * |
| | "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 | LED chip Efficacy | ≥ 130 Lm/Watt | * |
| | Colour temperature | 6000+/-500K | * |
| | Working life for LED (Minimum 50,000 burning hours as per LM-80 and LM 21 reports) | Yes | * |
| | Colour Rendering Index(CRI) | ≥ 70 | * |
| | LED Beam Angle | ≥ 120 | * |
| | Optic lense material (UV stabilised) | Poly carbonate lense | * |
| THERMAL MANAGEMENT | Heat sink should be die-cast aluminium along with sufficient heat sink fins to dissipate heat effectively | Yes | * |
| | Junctiojn / Soldering point temperature shall not exceed 85 deg.c as | Yes | * |

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| | per LM 80 report | | |
| | Capacitor shall be rated for a temperature of 105 deg. celsius or better | Yes | * |
| | Operating temperature range | -10 deg C to +55 deg C | -10 deg C to +55 deg C |
| | Operating Humidity Range | 10 % to 95% RH | * |
| PROTECTION | Short circuit Protection | Yes | * |
| | Over load protecton | Yes | * |
| | Over Voltage protection | Yes | * |
| | Reverse polarity | 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 (Internal) | >/=5KV | * |
| | The luminaire shall be protected against surges and transients of >/=10KV (External) | Yes | * |
| CONSTRUCTIONAL | The Luminaires casing/housing (single piece housing) shall be pressure die casted aluminium alloy with higher thermal conductivity | Yes | * |
| | The luminaire body must be corrosion resistant powder coated | Yes | * |
| | All fastners must be of stainless steel | Yes | * |
| | Protection of the entire housing (both LED section and driver section) as per IS:10322 (Part 1):1982 latest | IP66 | * |
| | Extruded silicon loop | Yes | * |

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| | gasket shall be provided in the lantern body to ensure a weather proof seal between the UV Glass cover and the metal housing to exclude the entry of the dust, water, insects etc., | | |
| | Luminaries light transparency should be of Toughened glass | Yes | * |
| | Toughned transparent glass cover thickness | >/=4 mm | * |
| | Toughned Glass shall not get discoloured shall not suffer degradation due to heat and ageing within warranty period | Yes | * |
| | Number of electronic control gear (power supplies) | 1 No. | 1 No. |
| | Light Source | SMD LED Chip as per LM 80/IS16106 | * |
| | Driver components shall be industrial grade or above | Yes | * |
| | PCB shall be FR4 grade minimum 0.8 to 1.0 mm thick or more | Yes | * |
| | The Luminaires works on single phase three wires system (Phase, Neutral and Earth) | Yes | * |
| | Suitable connector shall be provided for LED connection between driver output and LED | Yes | * |
| | Length of ISI marked three core wire (shall be provided along with supply of material) | 50 cm | 50 cm |
| MARKING | "Manufactures Name and and brand on the aluminium die cast body " | Engraved/Embossed | * |
| | Manufacturer's name, model number, serial | Yes | * |

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| | 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 voltage and power be marked inside of each LED luminaire unit | Yes | * |
| | Diameter of pole Luminaire suitable for: (upto 45W Pole OD: shall be 40mm), (>45W<120W Pole OD: Shall be 50 mm), (above 120W: OD shall be 60 mm for which luminaire is suitable | Yes | * |
| REPORTS AND CERTIFICATIONS | LED Make | OSRAM / NICHIA / CREE / SAMSUNG / SEOUL / LUMILEDS / PHILIPS / SYSKA / LUMENMAX / EVERLIGHT / EDISON / BRIDGELUX / NATIONSTAR / REFOND | * |
| | System must have EMI/EMC compliance as applicable (Test reports shall be furnish to the buyer / consignee on demand) | Yes | * |
| | LM 79 (Photometry) (Ref.IS:16106:2012) report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer / consignee on demand (LM-79 report shall have total lumen output, power, PF, Current in Amps, CRI & CCT etc.,) | Yes | * |
| | LM 80 & TM 21 (Ref. IS:16105:2012) Report and Photo biological report for LED report from Central Government Lab | Yes | * |

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| | /NABL/ILAC accredited lab. Reports shall be furnish to the buyer / consignee on demand (LM-80 report shall have the Photo Biological report of the LED Chip being used in the luminaire) | | |
| | Availability of test Report from Central Government Lab /NABL/ILAC accredited lab to Indian Standard IS:10322/part 5/sec-3/2012 and IS 16107 (Part 2/Sec 1) : 2012 | Yes | * |
| | Seller shall furnish the Type test reports to the buyer / consignee on demand | Yes | * |
| | DC or AC supplied electronic control gear for LED Module shall comply as per IS:15885 (Part 2/Sec.13) | Yes | * |
| | LED Luminaire for road and street lighting shall comply with Compulsory Registration(CRS) of BIS for safety as per IS 10322 (Part 5/Section 3): 2012 as applicable on date | Yes | * |

* 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 | Shivkumar | 227111,Nagar Panchayat Malihabad Distt. Lucknow | 100 | 30 |

Bid Specific Additional Terms and Conditions

1. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
2. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
3. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
5. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
6. Bid reserved for Make In India products: Procurement under this bid is reserved for purchase from Class 1 local suppliers as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document 50%. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
7. ISO 9001: The bidder must have ISO 9001 certification.
8. 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.
9. Preference to Make In India products (For bids less than 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document 50%. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company

and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

10. 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.
11. Scope of supply (Bid price to include all cost components) : Only supply of Goods

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

---Thank You---