

## Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 18:00:00
Bid Opening Date/Time	24-07-2020 18:30:00
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	Nagar Palika Parishad Akbarpur
Office Name	Akbarpur Ambedkar Nagar
Total Quantity	8
Item Category	High Mast Pole with LED Flood Lighting System
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	50 %
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	1560000

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

1. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% 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.

## High Mast Pole With LED Flood Lighting System ( 8 pieces )

### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	Highmast with LED Luminaires contains High mast pole, LED flood light luminaire, Distribution box, MCB, Power cable, Wiring, Earthing road and wire, Mounting brackets and other suitable accessories as applicable	Yes	*
	<b>Installation and commissioning (Installation and commissioning work at multiple locations shall follow as per the guidelines of State/Central Govt., rules and regulations as applicable)</b>	Yes. Including Civil work at site	Yes. Including Civil work at site
	<b>Onsite warranty (in Years)</b>	2	2
POLE	Tubular steel poles shall be conforming to	IS 2713/80(Part-1& 2) with amdt No-1 latest	*
	<b>ISI Marked</b>	No	No
	ISI Marekd if "Yes" BIS License Number (CM/L Number) - Must declare (If No write NA)	-	*

	<b>Length of Tubular steel poles (in Metre)</b>	9	9
	<b>Type of steel poles</b>	Swaged (SP)	Swaged (SP)
	<b>Designation of Tubular steel poles as per table 2 of IS 2713/80 Part-2 with amdt No 1</b>	410SP-1	410SP-1
	<b>Earthing arrangement as per Cl.14.1 of IS:2713:1980 Part 1 latest</b>	Yes	Yes
	<b>Coating on the tubular steel poles (for entire length)</b>	Galvanised min. Mass of Zinc coating 360 Gms. sq. Mtr.,	Galvanised min. Mass of Zinc coating 360 Gms. sq. Mtr.,
	<b>Grade of steel tube, as per IS:1161/1998</b>	Yst 240	Yst 240
	Availability of Type Test Reports of the product from Central Govt/NABL/ILAC accredited Lab showing compliance to the specification (as per IS:2713:1980 Part 1, Part 2 latest).	Yes	*
LED FLOOD LIGHT LUMINAIRE	<b>No. of Luminaires per pole</b>	4 Nos. / pole	4 Nos. / pole
	LED Luminaire conformity to IS:10322/Part 5/Section 5/2012 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: 16103(Part-2)/2012	Type 3	*
	<b>LED Rating/System Wattage/Rated Power</b>	180W	180W

Luminaire System Efficacy (Lumen/watt)	>= 100 Lm/Watt	*
<b>Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest</b>	IP65	IP65
Mounting brackets (included)	Adjustable	*
<b>Input operating Voltage range and frequency</b>	90 to 300 V olts AC at 50 Hz+/-2 Hz,	90 to 300 V olts AC at 50 Hz+/-2 Hz,
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)	≥85	*
Total Harmonics Distortion (in %age)	≤ 10	*
The total circuit power shall not be more than 110 percent of the value declared by the manufacturer"	Yes	*
LED chip Efficacy	≥130 Lm/Watt	*
<b>Colour temperature (+/-500K)</b>	6000K	6000K
Working life for LED (Minimum 50,000 burning hours as per LM-80 report)	Yes	*
Colour Rendering Index(CRI)	≥70	*
Beam Angle	≥120	*
<b>Optic lense materal (UV stabilised) (Write NA for without optic lense supply)</b>	Poly carbonate lense	Poly carbonate lense
Heat sink should be die-cast aluminium along with sufficient heat sink fins to dissipate heat effectively	Yes	*
Capacitor shall be rated for a temperature of	Yes	*

105 deg. celsius or better		
Junction temperature	< 85 degC	*
<b>Operating temperature range</b>	-20 deg C to +50 deg C,	-20 deg C to +50 deg C,
Operating Humidity Range	10 % to 95% RH	*
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	*
<b>The luminaire shall be protected against surges and transients ( Internal)</b>	>/=5KV	>/=5KV
<b>The luminaire shall be protected against surges and transients of &gt;/=10KV (External)</b>	Yes	Yes
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 epoxy powder coated	Yes	*
All fastners must be of stainless steel	Yes	*
The entire housing (both LED section and driver section) shall be dust and water proof having IP 66 protection as per IS:10322 (Part 1):1982 latest	Yes	*
Extruded silicon loop	Yes	*

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	*
Toughened transparent glass cover thickness	>/=4 mm	*
Toughened Glass shall not get discoloured shall not suffer degradation due to heat and ageing within warranty period	Yes	*
<b>Number of electronic control gear per luminaire (power supplies) (in Numbers)</b>	1	1
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	*
<b>Length of ISI marked three core wire (shall be provided along with supply of material)</b>	50 cm	50 cm
Light Source	SMD LED Chip as per LM 80/IS16106	*
Manufactures Name and and brand on the aluminium die cast body	Engraved/Embossed	*

Manufacturer's name, model number, serial number	Yes	*
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	*
<b>LED Make</b>	OSRAM / NICHIA/CREE / SAMSUNG / SEOUL / LUMILED / PHILIPS / EDISON / SYSKA / LUMENMAX / EVERLIGHT / BRIDGELUX / NATIONSTAR / REFOND,	OSRAM / NICHIA/CREE / SAMSUNG / SEOUL / LUMILED / PHILIPS / EDISON / SYSKA / LUMENMAX / EVERLIGHT / BRIDGELUX / NATIONSTAR / REFOND,
System must have EMI/EMC compliance as applicable (Test reports shall be furnish on demand by buyer/consignee)	Yes	*
LM 79 (Photometry) (Ref.IS:16106:2012) report from Central Government lab/NABL/ILAC accredited lab. Reports shall be furnish on demany by buyer (LM-79 report shall have total lumen output, power, PF, Current in Amps, CRI & CCT etc.,)	Yes	*
LM 80 & TM 21 (Part of LM 80) (Ref. IS:16105:2012) Reports and Photo biological report for LED report from Central Government lab /NABL/ILAC accredited lab. Reports shall be furnish on demany by buyer (LM-80 report shall haveand the	Yes	*

	Pohoto 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 Standrad IS:10322/part 5/sec-5/2012 and IS 16107 (Part 2/Sec 1) : 2012	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 Flood Light shall comply with Complusory Registration(CRS) of BIS for safety as per IS 10322 (Part 5/Section 5): 2012 as applicable on the date	Yes	*
ACCESSORIES - G I Pipe	<b>G.I. Pipe (ISI Marked) for earthing with all accessories per pole shall supplied</b>	Yes	Yes
	<b>G.I. Pipe length (in mm)</b>	300 mm	300 mm
	<b>G.I. Pipe dia</b>	20 mm	20 mm
ACCESSORIES - G I Wire	<b>ISI marked G.I. wire shall be supplied per pole for earthing</b>	Yes	Yes
	<b>G.I. wire dia (in mm)</b>	2.64 mm	2.64 mm
	<b>G.I. Wire length (in m)</b>	15	15
ACCESSORIES - Power Cable	<b>PVC Insulated, armoured power cable (ISI marked to IS:1554 Part 1) shall be supply per pole</b>	Yes	Yes
	<b>No. of core</b>	2	2, 3, NA
	<b>Cross sectional area of cable (in Sq.mm)</b>	2.5	2.5, 4, NA
	<b>Conductor material</b>	Copper	Copper
	<b>Cable category</b>	Type C, C2, FR-LSH	Type C, C2, FR-LSH



	<b>Length (in mtrs.,)</b>	30	30
ACCESSORIES - Wiring	<b>PVC insulated wiring cable (IS Marked to IS:694) shall be supply per pole</b>	Yes	Yes
	<b>No. of core</b>	2	2
	<b>Cross sectional area of cable (in Sq.mm)</b>	1.5	1.5
	<b>Conductor material (for wiring)</b>	Copper	Copper
	<b>Cable category (for wiring)</b>	Type C, FR-LSH	Type C, FR-LSH
	<b>Cable length (in mtrs.,)</b>	30	30
ACCESSORIES - MCB	<b>Distribution Board with Switches &amp; Terminals and ISI marked MCB per pole shall be supply with lighting system</b>	Yes	Yes
	<b>Distribution board for fixing MCB with enclosure protection</b>	Yes. Provided with IP 43	Yes. Provided with IP 43
	<b>Distribution Board per pole for fixing MCB with enclosure protection IP43 and above</b>	Yes. Provided.	Yes. Provided.
	<b>MCB - Rated current (in Ampere)</b>	16.0 A	16.0 A
	<b>No. of pole</b>	1 Pole	1 Pole
	<b>Rated Voltage</b>	240 Volt	240 Volt
	<b>Bracket for each pole : Mounting arrachement including suitable bracket for fixing the Luminaires with each pole. Bracket material shall be MS. Galvanised min. Mass of Zinc coating 360 Gms. sq. Mtr.,</b>	Yes	Yes
CERTIFICATIONS	Marking: All the products shall have marking details as per relevant BIS standard	Yes	*
	Seller shall furnish all the test reports and	Yes	*

	certificates as per the technical specification to the purchase authority on demand		
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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	Om Prakash Ram	224122, State Highway 9A, Muradabad Mohalla, Akbarpur	8	30

### 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 3 years 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. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
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. 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.
6. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

7. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
8. ISO 9001: The bidder must have ISO 9001 certification.
9. 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 7 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.
10. Procurement under this bid is reserved for purchase from Micro and Small Enterprises from the State of Bid Inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.

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

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