

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 15:00:00
Bid Opening Date/Time	27-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Consumer Affairs Food And Public Distribution
Department Name	Department Of Food And Public Distribution
Organisation Name	Food Corporation Of India (fci)
Office Name	Rajasthan Region
Total Quantity	3
Item Category	High Mast Pole with LED Flood Lighting System (PAC Only)
Bidder Turnover (Last 3 Years)	10 Lakh (s)
OEM Average Turnover (Last 3 Years)	85 Lakh (s)
Experience Criteria	3 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	30 %
Bid to RA enabled	No
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.

2. 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.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% 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 (3 pieces) (Under PAC)

Make	halonix
Model	hlfld-ml14-250w-cwl

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 rod and wire, Mounting brackets and other suitable accessories as applicable	Yes	*
	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)	Yes. Including Civil work at site	Yes. Including Civil work at site
	Onsite warranty (in Years)	5	5
POLE	Tubular steel poles shall be conforming to	IS 2713/80(Part-1& 2) with amdt No-1 latest	*
	ISI Marked	No	No
	ISI Marekd if "Yes" BIS License Number (CM/L Number) - Must declare (If No write NA)	NA	*
	Length of Tubular steel poles (in Metre)	16 (with 2 nos.of Air Aviation Obstruction LED)	16 (with 2 nos.of Air Aviation Obstruction LED)

LED FLOOD LIGHT LUMINAIRE	Type of steel poles	Swaged (SP)	Swaged (SP)
	Designation of Tubular steel poles as per table 2 of IS 2713/80 Part-2 with amdt No 1	410SP-1	410SP-1
	Earthing arrangement as per Cl.14.1 of IS:2713:1980 Part 1 latest	Yes	Yes
	Coating on the tubular steel poles (for entire length)	Galvanised min. Mass of Zinc coating 360 Gms. sq. Mtr.,	Galvanised min. Mass of Zinc coating 360 Gms. sq. Mtr.,
	Grade of steel tube, as per IS:1161/1998	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	*
	No. of Luminaires per pole	10 Nos. / pole	10 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	*
	LED Rating/System Wattage/Rated Power	250W	250W
	Luminaire System Efficacy (Lumen/watt)	>/= 100 Lm/Watt	*
	Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest	IP66	IP66
	Mounting brackets (included)	Adjustable	*
	Input operating Voltage range and frequency	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	*
Colour temperature (+/-500K)	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	*
Optic lense materal (UV stabilised) (Write NA for without optic lense supply)	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 105 deg. celsius or better	Yes	*
Junction temperature	< 85 degC	*
Operating temperature range	-10 deg C to +50 deg C,	-10 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	*
The luminaire shall be protected against surges and transients (Internal)	>/=5KV	>/=5KV
The luminaire shall be protected against surges and transients of >/=10KV (External)	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 fasteners 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 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.,	Yes	*
Luminaires 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	*
Number of electronic control gear per luminaire (power supplies) (in Numbers)	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	*
Length of ISI marked three core wire (shall be provided along with supply of material)	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	Yes	*

	each packaging box		
	The operation characteristics voltage and power be marked inside of each LED luminaire unit	Yes	*
	LED Make	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 Pohoto 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-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	G.I. Pipe (ISI Marked) for earthing with all accessories per pole shall supplied	Yes	Yes
	G.I. Pipe length (in mm)	200 mm	200 mm
	G.I. Pipe dia	40 mm	40 mm

ACCESSORIES - G I Wire	ISI marked G.I. wire shall be supplied per pole for earthing	Yes	Yes
	G.I. wire dia (in mm)	2.64 mm	2.64 mm
	G.I. Wire length (in m)	20	20
ACCESSORIES - Power Cable	PVC Insulated, armoured power cable (ISI marked to IS:1554 Part 1) shall be supply per pole	Yes	Yes
	No. of core	3	3
	Cross sectional area of cable (in Sq.mm)	2.5	2.5, 4, NA
	Conductor material	Aluminium	Aluminium
	Cable category	Type C, C2, FR-LSH	Type C, C2, FR-LSH
	Length (in mtrs.,)	30	30
ACCESSORIES - Wiring	PVC insulated wiring cable (IS Marked to IS:694) shall be supply per pole	Yes	Yes
	No. of core	2	2, NA
	Cross sectional area of cable (in Sq.mm)	1.5	1.5
	Conductor material (for wiring)	Copper	Copper
	Cable category (for wiring)	Type C, FR-LSH	Type C, FR-LSH
	Cable length (in mtrs.,)	30	30
ACCESSORIES - MCB	Distribution Board with Switches & Terminals and ISI marked MCB per pole shall be supply with lighting system	Yes	Yes
	Distribution board for fixing MCB with enclosure protection	Yes. Provided with IP 43	Yes. Provided with IP 43
	Distribution Board per pole for fixing MCB with enclosure protection IP43 and above	Yes. Provided.	Yes. Provided.
	MCB - Rated current (in Ampere)	25.0 A	25.0 A
	No. of pole	1 Pole	1 Pole
	Rated Voltage	240 Volt	240 Volt
	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.,	Yes	Yes
CERTIFICATIONS	Marking: All the products shall have marking details	Yes	*

	as per relevant BIS standard		
	Seller shall furnish all the test reports and certificates as per the technical specification to the purchase authority on demand	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	Satya Narain Chawla	302015,4,Nehru Place, Near Police Headquarters, Tonk Road, Jaipur	3	90

Bid Specific Additional Terms and Conditions

- 1.Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
- 2.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.
- 3.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.
- 4.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.
- 5.The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:
 - (i) Single order of at least 35% of estimated bid value; or
 - (ii) Two orders of at least 20% each of estimated bid value; or
 - (iii) Three orders of at least 15% each of estimated bid value.
 Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion
- 6.ISO 9001: The bidder must have ISO 9001 certification.
- 7.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.
- 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.

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

---Thank You---