

### Bid Document

Bid Details	
Bid End Date/Time	28-07-2020 13:00:00
Bid Opening Date/Time	28-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Maharashtra
Department Name	Rural Development Department
Organisation Name	Zilla Parishad Sangli
Office Name	Panchayat Samiti Shirala
Total Quantity	1
Item Category	High Mast Pole with LED Flood Lighting System
OEM Average Turnover (Last 3 Years)	3 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	80 %
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.

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 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.

## High Mast Pole With LED Flood Lighting System ( 1 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 rod 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>	5	5
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-5	410SP-5
	<b>Earthing arrangement as</b>	Yes	Yes

	<b>per Cl.14.1 of IS:2713:1980 Part 1 latest</b>		
	<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>	150W	150W
	Luminaire System Efficacy (Lumen/watt)	>= 100 Lm/Watt	*
	<b>Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest</b>	IP66	IP66
	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 105 deg. celsius or better	Yes	*
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	Yes	*

protection as per IS:10322 (Part 1):1982 latest		
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	*
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>	4	4
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>	100 cm	100 cm
Light Source	SMD LED Chip as per LM 80/IS16106	*
Manufactures Name 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 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 comlpy 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
	<b>G.I. Pipe length (in mm)</b>	200 mm
	<b>G.I. Pipe dia</b>	40 mm
ACCESSORIES - G I Wire	<b>ISI marked G.I. wire shall be supplied per pole for earthing</b>	Yes
	<b>G.I. wire dia (in mm)</b>	2.64 mm

	<b>G.I. Wire length (in m)</b>	30	30
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>	3	3
	<b>Cross sectional area of cable (in Sq.mm)</b>	4	4
	<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>	75	75
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, NA
	<b>Cross sectional area of cable (in Sq.mm)</b>	1.5	1.5, NA
	<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>	50	50
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>	63.0 A	63.0 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 certificates as per the technical	Yes	*

	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	Manik Rajaram Patil	415408,Panchayat Samiti Shirala,Tal-Shirala,Dist-Sangli	1	15

#### Bid Specific Additional Terms and Conditions

- 1.ISO 9001: The bidder must have ISO 9001 certification.
- 2.Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
- 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.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.
- 5.**Inspection of Stores by Inspection Authority of buyer or their authorised inspecting officers / empanelled inspection agency or their representatives**  
An independent third party Professional Inspection Body can help buyer in mitigating buyer's risk with pre-dispatch/post-dispatch inspection in order to ensure that equipment, components , solutions and documentation conform to contractual requirements. If an institutional buyer like Defense , Railways and MHA etc desires to appoint / nominate their own inspection authority / empanelled inspection agency for inspection of stores to be supplied against the contract , buyer can select this clause indicating cost of inspection in term of percentage which is 100 %. As per the contractual provisions / law , the buyer has a right before payment or acceptance to inspect goods at any reasonable place as indicated in contract and time and in any reasonable manner. When the seller is required or authorized to send the goods to the buyer, the inspection may be after their arrival. Expenses of inspection should be borne by the buyer but may be recovered from the seller if the goods do not conform to contractual specification and are rejected. Initially seller may pay for inspection charges as applicable and get the same reimbursed from buyer if store complies to contractual specification etc , on production of payment receipt issued by inspection agency as applicable.  
Seller/OEM shall send a notice in writing / e-mail to the Inspecting officer / inspection agency specifying the place where inspection is offered and the Inspecting officer shall on receipt of such notice notify to the seller the date and time when the stores would be inspected. The seller shall, at his own expenses, afford to the Inspecting officer , all reasonable facilities and such accommodation as may be necessary for satisfying himself that the stores are being and or have been manufactured in accordance with the technical particulars governing the supply . The decision of the purchaser/inspection authority regarding acceptance / rejection of consignment shall be final and binding on the seller.  
The Seller shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspecting officer may demand of him for any test, and examination, other than special or independent test, which he shall require to be made on the seller's premises and the seller shall bear and pay all costs attendant thereon.  
The seller shall also provide , and deliver for test, free of charge, at such place other than his premises as the



Inspecting officer may specify such material or stores as he may require for tests for which seller does not have the facilities or for special/ independent tests.

In the event of rejection of stores or any part thereof by the Inspecting officer basis testing outside owing to lack of test facility at sellers premises ,the seller shall, on demand, pay to the buyer the costs incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the Laboratory to private persons for similar work.

Inspector shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may like fit and proper as per QAP/governing specification . The seller shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspecting officer ..

Unless otherwise provided for in the contract, the quantity of the stores or materials expended in test will be borne by seller .

Inspecting officer is the Final Authority to Certify Performance / accept the consignment . The Inspecting officer's decision as regards the rejection shall be final and binding on the seller.

The seller shall if so required at his own expense mark or permit the Inspecting officer to mark all the approved stores with a recognised Government or purchaser's mark.

- 6.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.
- 7.Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
- 8.Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

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

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