

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 17:00:00
Bid Opening Date/Time	27-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	15 (Days)
Ministry/State Name	Maharashtra
Department Name	Rural Development And Panchayat Raj Department Maharashtra
Organisation Name	Ahmednagar Zilla Parishad
Office Name	Panchayat Samiti Shevgaon
Total Quantity	1
Item Category	Solar lamps (Solar Based Home Systems - Solar Power Packs - AC Models)
OEM Average Turnover (Last 3 Years)	1 Lakh (s)
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	50 %
Bid to RA enabled	No
Inspection Required	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Pre Dispatch
Name of the Empanelled Inspection Agency/ Authority	Board of Officers
Quality Assurance Plan document	1594982610.pdf

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 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.

Solar Lamps (Solar Based Home Systems - Solar Power Packs - AC Models) (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
CONSTRUCTIONAL	Corrosion resistant frame structure should be provided to hold the SPV module. PV Module shall supply with Module mounting structure	Yes	*
	The frame structure should have provision to adjust its angle of inclination to the horizontal, so that it can be installed at the specified tilt angle	Yes	*
	Mounting type of light source as per site requirements.	can be hung from the ceiling in a stable manner	wall mounted, ceiling mounted, can be hung from the ceiling in a stable manner
	A vented plastic/ wooden/ metallic box with acid proof corrosion resistant paint for housing the storage battery indoors should be provided	Yes. provided	*
	The system should have two indicators, green (charging under progress) and red (indicate the battery "Load Cut Off" condition)	Yes	*
	Working temperature	0 deg C to 45 deg C	*
GENERIC	Power pack model	100 Watt load for 6-7 Hours/	SPV Module:200 Wp,

		day for 300 Wp solar power pack	Battery:24V,75Ah, Solar charge controller: 24V, 10A, SPV Module:200 Wp, Battery:12V,150 Ah, Solar charge controller: 12V, 20A, SPV Module:250 Wp, Battery:24V,100 Ah, Solar charge controller: 24V, 10A, SPV Module:250 Wp, Battery: 12V, 200 Ah, Solar charge controller: 12V, 20A,, SPV Module:300 Wp, Battery:24V, 120 Ah, Solar charge controller: 24V, 15A, SPV Module:300 Wp, Battery:12V, 240Ah, Solar charge controller: 12V, 30A
PV MODULE	Indigenously manufactured PV modules should be used	Yes	*
	The PV modules should be made up of crystalline silicon solar cells and must have a certificate of testing conforming to IEC 61215 Edition II / BIS 14286 from an NABL or IECQ accredited Laboratory.	Yes	*
	Efficiency for PV Modules	>14%	*
	The terminal box on the module should have a provision for opening, for replacing the cable, if required	Yes	*
	"There should be a Name Plate fixed inside the module which will give: (a) Name of the Manufacturer or Distinctive Logo. (B) Model Number (c) Serial Number (d) Year of manufacture"	Yes	*
	A distinctive serial number starting with NSM will be engraved on the frame of the module or screen printed on the tedlar sheet of the module.	Yes	*
BATTERY	The battery should be Lead Acid, Tubular positive plate flooded electrolyte or Gel or VRLA Type. Battery Ah at C/10 rated	Yes	*
	75 % of the rated capacity of the battery should be between fully charged & load cut off conditions	Yes	*
	Battery should conform to the latest BIS/ International standards	Yes	*
LIGHT SOURCE	The luminaries should use white LEDs	Yes	*
	Minimum 18 Lux for 3 W	Yes	*

	LED Luminaire and Minimum 32 LUX for 16W LED Luminaire when measured from a height of 2.5 meter in an area of 2.5 meter diameter		
	The colour temperature of White-LED(s) used in the system	5500 deg K to 6500 deg K	*
	3 Nos. of White Light Emitting Diode (W-LED) Luminaire (max. 3.0 Watts each) .	Yes. Provided	*
	The total input power consumption by the luminaire is not more than 3 W/6W as applicable (including the LED driver consumption).	Yes	*
	White-LED(s) should not emit ultraviolet light	Yes	*
	The light output from the White- LED should be constant throughout the operation of lights	Yes	*
	The lamps should be housed in an assembly suitable for indoor use with an appropriate heat sink to dissipate the heat generated by LEDs during operation	Yes	*
	"The temperature of LED should not increase more than 10o above room temperature. This condition should be complied for 5 hours of operation of the lamp at a stretch while battery operating at any voltage between the loads disconnect and the charge regulation set point"	Yes	*
	The luminaries must use the optics and diffuser in order to have uniform and glaze free light	Yes	*
	The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of white LEDs used in the lighting system must be furnished to the buyer / consignee along with the system	Yes	*
	All Luminaries should have a built in ON/OFF switch and fuse	Yes	*
ELECTRONICS	Electronics should operate at 12 / 24 V and should have adequate temperature	Yes	*

	compensation arrangement for proper charging of the battery throughout the year		
	Total Harmonic Distortion	<5%	*
	Inverter efficiency	>=90%	*
	The system should have separate ports for connecting each load along with a charging port for mobile and laptop	Yes	*
	The voltage drop from module terminals to the battery terminals should not exceed 1.0 volts including the dropage across the diode and the cable when measured at maximum charging current	Yes	*
	The idle current i.e. when there is no load (& inverter is switched OFF, in case of A.C. Systems) and no display	<=150 mA	*
	The PCB containing the electronics should be capable of solder free installation and replacement	Yes	*
	Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided	Yes	*
	Necessary lengths of wires/cables, switches and fuses should be provided	Yes	*
	The inverter output AC voltage should not change with the decreased battery voltage in the operating voltage range of the battery	Yes	*
	No Load protection	Yes	*
	Battery over charge and deep discharge protection	Yes	*
	The load reconnect should be provided at 90% of the battery capacity status	Yes	*
	Battery reverse polarity, Short circuit proection, reverse flow current protection	Yes	*
WARRANTY	Warranty for Solar home system including Battery from the date of supply	5 Years	*
	Warranty for PV Modules from the date of supply as per MNRE specn.,	>=25 Years	*
	PV modules used in Solar Home Lighting System must be warranted for their output peak watt capacity,	Yes	*

	which should not be less than 90% at the end of Ten (10) years and 80% at the end of Twenty five (25) years		
	The Warranty Card to be supplied with the system must contain the details of the system. The manufacturers can also provide additional information about the system and conditions of warranty as necessary	Yes	*
	OPERATION and MAINTENANCE MANUAL shall be furnish to the buyer / consignee as per MNRE (Off-grid Solar Applications Scheme 2016-17) (including IESNA LM-80 report of W-LEDs)	Yes	*
CERTIFICATION	Availability of Type Test Report from Central Govt./NABL/ILAC accredited lab to prove conformity to specification	Yes	*
	Storage battery shall comply with Bureau of Indian Standards of CRS as on date as applicable	Yes	*
	PV Modules shall comply with Bureau of Indian Standards of CRS as on date as applicable	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	Jalindar Balasaheb Kale	414502,panchayat samiti shevgaon	1	15

Bid Specific Additional Terms and Conditions

- Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:
Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): NO CLAUSE
Post Receipt Inspection at consignee site before acceptance of stores: NA
- 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.

3.To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): quality assurance certificate any one to the gem work order or government division work order.

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

5.Warranty period of the supplied products shall be 3 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---