

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	13-05-2025 18:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	13-05-2025 18:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	30 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Maharashtra
Department Name/विभाग का नाम	Department Of Panchayati Raj
Organisation Name/संगठन का नाम	Satara District Panchayats
Office Name/कार्यालय का नाम	Sathe190141
क्रेता ईमेल/Buyer Email	gpsathe-mh@panchayat.gov.in
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	Solar Power Plant (Roof Top) for ONGRID System, Single Phase (Q3)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *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
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Past Performance/विगत प्रदर्शन	80 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid

Bid Details/बिड विवरण	
<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b>	2 Days
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>Evaluation Method/मूल्यांकन पद्धति</b>	Total value wise evaluation
<b>Arbitration Clause</b>	No
<b>Mediation Clause</b>	No

#### EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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#### ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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#### MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	No
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#### MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	No
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1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
2. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.
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 Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## Solar Power Plant (Roof Top) For ONGRID System, Single Phase ( 1 pieces )

### Technical Specifications/तकनीकी विशिष्टियाँ

\* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
GENERIC	<b>A Grid Tied Photo Voltaic (SPV) power plant consists of</b>	SPV array, Module Mounting Structure, Power Conditioning Unit (PCU) consisting of Maximum Power Point Tracker (MPPT), Inverter, and Controls and Protections, interconnect cables and switches
	<b>PV Array Mounting</b>	Mounted on a suitable structure
	<b>Grid tied SPV system is</b>	Without battery and designed with necessary features to supplement the grid power during day time.
	<b>Installation and testing for complete system</b>	Yes including Civil Work, Designing, Fabrication, Cabling Work with suitable Bolts, Nuts, Clamps, Connectors and testing etc.,
INVERTER	<b>Rated out put power of inverter (Kw)</b>	1
	<b>Switching device</b>	IGBT, MOSFET
	<b>No. of Phase (in Nos.)</b>	1
	<b>Inverter output wave form</b>	Pure sine wave
	<b>No. of MPPT per inverter (in Nos.)</b>	1, 2, 4
	<b>No. of string at input side of inverter ( input port +ve and -ve) ( hint: 1 sets contains 1 +ve and 1 -ve port)</b>	1 set, 2 set, 3 set, 4 set
	<b>Maximum power point tracker</b>	Integrated in the PCU/inverter to maximize energy drawn from the array
	<b>Operating Voltage Range of Inverter</b>	200 V to 800 V
	<b>Over load support at Input side, DC</b>	15% of Maximum Input Voltage
	<b>Maximum input current for each MPPT (in A)</b>	11, 18, 22, 28.5
	<b>Service condition</b>	Indoor
	<b>Ingress protection rating of inverter</b>	IP 65 (for outdoor use), IP 23 (for indoor use), IP 20 (for indoor use)
	<b>Cooling medium for inverter</b>	Nature air cooled, Constant speed Fan Cooled, Intelligent fan cooling
	<b>Manual switch for disconnecting DC supply</b>	Yes, No
	<b>Inverter mounting type</b>	Wall Mounted, Floor Mounted

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
INVERTER OUT PUT	<b>Maximum current for single phase inverter (in A)</b>	5.2, 8.1, 10.5, 15.7, 21, 25
	<b>Output voltage (in V)</b>	240 V
	<b>Invert auto trip at output side</b>	Lower : at 160 V, Higher : at 285 V with adjustable
	<b>Overall Efficiency (in %)</b>	>90, >93, >96, >98
PROTECTION FOR INVERTER	<b>Overload protection</b>	110% for 1 Minute,, 125% for 30 sec.,, 150% for 5 sec.
	<b>Over temperature protection</b>	Yes at 65 Deg. C Cooling Fan will auto switch ON, Yes at 65 Deg. C shutdown
	<b>Surge protection</b>	Metal Oxide Varistor (MOV)
	<b>Insulation Resistance Monitoring</b>	Yes, No
	<b>Grid Monitoring protection</b>	Yes, No
	<b>Power factor at rated out put power</b>	0.8, 0.9
	<b>Inverter body material</b>	Aluminium Casting, M.S. Plate
SERVICE CONDITION	<b>Operating temperature</b>	-25 to +60 deg. C, -20 to +50 deg. C
DISPLAY FEATURES ON INVERTER	<b>Type of display</b>	LCD, LED
	<b>Display parameters</b>	DC Voltage, DC Current, AC Voltage, AC Current, Out put frequency, Power Factor
	<b>Generating power Data storage facility</b>	Yes for 2 Years from the date of commissioning
	<b>Interface facility for transmitting the generating power data for cloud storage</b>	Inbuilt Wifi Enabled, With Wifi Dongle, With GPRS Dongle without SIM card, With RS485
	<b>Net meter</b>	Approved by Government of India/State Government authority concerned for connecting to Grid
Add on items - DC DISTRIBUTION BOARD	<b>DC Distribution panel to receive the DC output from the array field</b>	Yes with surge arrestors
	<b>Ingress protection (Enclosure protection) of DC Distribution Box</b>	IP65
	<b>Material of bus bar and size</b>	Copper, size as per inverter rating
	<b>Circuit Breaker for input side (DC side) for each inverter</b>	MCB 10 A, MCB 15 A
Add on items - CABLE FOR INPUT	<b>ISI Marked Connecting cables according to Inverter rating for each system</b>	PV Module to Inverter DC

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<b>Electric Cable for Input</b>	1C x 6 Sq. mm, Copper Cable (as per IS:694:2010 latest)
	<b>Cable Length for PV Module to Inverter, DC (in m)</b>	5, 10, 15, 20, 25
Add on items - AC DISTRIBUTION BOARD	<b>AC Distribution Panel Board (DPB) for controlling the AC power from PCU/inverter</b>	1 Phase 230 Volt +/- 10%, 50 HZ +/-3%
	<b>Panel construction</b>	Metal clad, totally enclosed, floor mounted, air insulated, cubical type with change over switch
	<b>Ingress protection (Enclosure protection) of AC Distribution Box</b>	IP54 for Indoor, IP65 for outdoor
	<b>All switches and the circuit breakers, connectors should conform to</b>	IS:60947 part I, II and III
	<b>Panels designed for minimum expected ambient temperature</b>	45 deg. C
	<b>Circuit Breaker for output side (AC side) for each inverter</b>	MCB 10 A, MCB 16 A, MCB 20 A, MCB 25 A, MCB 32 A, MCB 40 A, MCB 63 A, MCB 100 A
Add on items - CABLE FOR OUTPUT	<b>ISI Marked Connecting cables according to Inverter rating for each system.</b>	From Inverter to Net Meter, From Inverter to Net Meter and to mains at LT Bus bar while in grid tied mode
	<b>Conformity of the specification for cable</b>	2C x 6 Sq. mm, Copper Cable (as per IS:694:2010 latest), 2C x 10 Sq. mm, Copper Cable (as per IS:694:2010 latest), 2C x 16 Sq. mm, Copper Cable (as per IS:694:2010 latest)
	<b>Cable length for output side (from inverter to Net Meter for each system ) (in m )</b>	5, 10, 15, 20, 25, 30, 35, 40
Other Add on Items	<b>Cabling work at input side for each system</b>	With PVC Conduit pipe with necessary clamps and screws
	<b>Cabling work at Output side for each system</b>	With Cable Tray with fitment accessories
	<b>Danger boards and signages</b>	1 No., 2 No., 3 No.
ARRAY STRUCTURE	<b>Material of mounting structure</b>	Structural Steel, Grade: E300 (as per IS:2062:2011 latest), Structural Steel, Grade: E350 (as per IS:2062:2011 latest), Structural Steel, Grade: E410 (as per IS:2062:2011 latest)
JUNCTION BOX	<b>Material of Junction Box</b>	GRP( Glass reinforced plastic), FRP (Fibre reinforced plastics), Powder Coated Aluminium, cast aluminium alloy

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
WIND LOAD	The Mounting structure shall be so designed to withstand the speed for the wind zone of the location where a PV system is proposed to be installed	Yes
	Compliance to wind velocity test for the Mounting structure of PV System	as per IS 875:1987 part 3 latest
	Regional wind withstand capacity which the Mounting structure of PV system support is suitable to withstand (in Km/Hour)	180
WARRANTY & GUARANTEE	Minimum guarantee for maintaing of out put peak watt capacity	> / = 90% at the end of 10 years and >/= 80% at the end of 25 years

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Vandana Ramdas Gapat	415523,a/p-sathe tal-phaltan	1	15

**Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें**

**1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

**2. Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

### **1KV ONGRID SOLAR NET METERING**

540WATT SOLAR PANEL HALFCUT, BIFICIAL X 2

### **PANEL STRUCTURE**

GI PIPE, 2MM THICK, 50X50 DIA, 60/40 MONORAIL ALLUMINIUM

ON GRID INVERTER 1 KW

EARTHING

INSTALLATION COMMISNING TESTING

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#### **3. Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

#### **4. Generic**

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 5 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 5 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

#### **5. Generic**

**Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

#### **6. Service & Support**

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. Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

#### **8. Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

**Disclaimer/अस्वीकरण**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.**

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action

in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा



जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

**---Thank You/धन्यवाद---**