

अनुबंध | Contract



अनुबंध क्रमांक | Contract No: GEMC-511687735575833

अनुबंध तिथि | Generated Date : 12-Mar-2024

बोली/आरए/पीबीपी संख्या | Bid/RA/PBP No.: [GEM/2024/B/4720620](#)

संगठन विवरण Organisation Details	खरीदार विवरण Buyer Details
प्रकार Type : State Government मंत्रालय Ministry : - विभाग Department : Rural Development Department संगठन का नाम Organisation Name : ZILLA PARISHAD SANGLI कार्यालय क्षेत्र Office Zone : walwa panchayat samiti islampur	पद Designation : Gramsevak संपर्क नंबर Contact No. : - ईमेल आईडी Email ID : kumar.bhingardeve@gov.in जीएसटीआईएन GSTIN : - पता Address : At post Bagni Tal walwa, SANGLI, MAHARASHTRA-416302, India

वित्तीय स्वीकृति विवरण Financial Approval Detail	भुगतान प्राधिकरण विवरण Paying Authority Details
आईएफडी सहमति IFD Concurrence : No प्रशासनिक अनुमोदन का पदनाम Designation of Administrative Approval : Sarpanch / Gramsevak वित्तीय अनुमोदन का पदनाम Designation of Financial Approval : Sarpanch / Gramsevak	Role: BUYER भुगतान का तरीका Payment Mode: Offiine पद Designation : Gramsevak ईमेल आईडी Email ID : kumar.bhingardeve@gov.in जीएसटीआईएन GSTIN : - पता Address: At post Bagni Tal walwa, Sangli, MAHARASHTRA-416302, India

विक्रेता विवरण Seller Details
जेम विक्रेता आईडी GeM Seller ID : WEEV210002259243 कंपनी का नाम Company Name : NIRMITEE INDUSTRIES संपर्क नंबर Contact No. : 09607255255 ईमेल आईडी Email ID : nirmitee255@gmail.com पता Address : 423/2 Plot No.29,Ramkrishna park socity,sangli,sangli, Sangli, MAHARASHTRA-416416, - एमएसएमई पंजीकरण संख्या MSME Registration number : - जीएसटीआईएन GSTIN: 27AKHPP3503G1ZA

*जिसके नाम के पक्ष में GST/TAX इनवॉइस पेश किया जाएगा | GST / Tax invoice to be raised in the name of - Buyer

वितरण निर्देश | Delivery Instructions : NA

उत्पाद विवरण Product Details						
#	आइटम विवरण Item Description	आइटम विवरण Ordered Quantity	इकाई Unit	इकाई मूल्य (INR) Unit Price (INR)	कर विभाजन (INR) Tax Bifurcation (INR)	मूल्य (INR में सभी शुल्क और कर सहित) Price (Inclusive of all Duties and Taxes in INR)
1	उत्पाद का नाम Product Name : Unbranded C3525E LCD Solar Power Plant (Roof Top) for ONGRID System, Single Phase 5 kw power with voltage 240 V ब्रांड Brand : NA ब्रांड प्रकार Brand Type : Unbranded कैटलॉग की स्थिति Catalogue Status: Catalogue not verified by OEM कैसे बेचा जा रहा है Selling As : Reseller not verified by OEM श्रेणी का नाम और चतुर्थांश Category Name & Quadrant : Solar Power Plant (Roof Top) for ONGRID System, Single Phase (Q3) मॉडल Model: NA एचएसएन कोड HSN Code: HSN not specified by seller	1	pieces	380,000	NA	380,000
कुल ऑर्डर मूल्य Total Order Value (in INR)						380,000

परोक्ष विवरण Consignee Detail						
क्र.सं. S.No	परोक्षी Consignee	वस्तु Item	लॉट नंबर Lot No.	मात्रा Quantity	दिनांक के बाद डिलीवरी शुरू करना है Delivery Start After	वितरण पूरा कब तक करना है Delivery To Be Completed By
1	पद Designation : - ईमेल आईडी Email ID : kumar.bhingardeve@gov.in संपर्क Contact : - जीएसटीआईएन GSTIN : -	Unbranded C3525E LCD Solar Power Plant (Roof Top) for ONGRID System, Single Phase 5	-	1	12-Mar-2024	27-Mar-2024

पत्ता | Address : At post Bagni Tal walwa,
SANGLI, MAHARASHTRA-416302, India

kw power with voltage
240 V

Product Specification for Unbranded C3525E LCD Solar Power Plant (Roof Top) for ONGRID System, Single Phase 5 kw power with voltage 240 V

विनिर्देश Specification	उप-विनिर्देश Sub-Spec	मूल्य Value
GENERIC	A Grid Tied Photo Voltaic (SPV) power plant consists of	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
	PV Array Mounting	Mounted on a suitable structure
	Grid tied SPV system is	Without battery and designed with necessary features to supplement the grid power during day time.
	Components and parts used in the SPV power plants including the PV modules, metallic structures, cables, junction box, switches, PCUs etc.,	as per relevant BIS or IEC or international specifications, as applicable
	Installation and testing for complete system	Yes including Civil Work, Designing, Fabrication, Cabling Work with suitable Bolts, Nuts, Clamps, Connectors and testing etc.,
INVERTER	Rated out put power of inverter (Kw)	5
	Switching device	IGBT
	No. of Phase (in Nos.)	1
	Inverter output wave form	Pure sine wave
	Technology	MPPT Based
	No. of MPPT per inverter (in Nos.)	2
	No. of string at input side of inverter (input port +ve and -ve) (hint: 1 sets contains 1 +ve and 1 -ve port)	2 set
	Maximum power point tracker	Integrated in the PCU/inverter to maximize energy drawn from the array
	Operating Voltage Range of Inverter	80 to 500 V
	Over load support at Input side, DC	15% of Maximum Input Voltage
	Maximum input current for each MPPT (in A)	11
	Service condition	Outdoor
	Ingress protection rating of inverter	IP 65 (for outdoor use)
	Cooling medium for inverter	Nature air cooled
	Manual switch for disconnecting DC supply	Yes
	Inverter mounting type	Wall Mounted
Standard accessories for Inverter	MC4 DC Connectors, AC Connectors, Mounting bracket, Nuts and Bolts and inverter manuals	
Isolation between input DC and output AC	Yes	
INVERTER OUT PUT	Maximum current for single phase inverter (in A)	5.2
	Output voltage (in V)	240 V
	Invert auto trip at output side	Lower : at 160 V, Higher : at 285 V with adjustable
	Frequency range	50 Hz +/-3
	Grid Frequency Synchronization range	+ 3 Hz or more
	Grid Voltage tolerance	-20% and +15%
	Overall Efficiency (in %)	>98
	Efficiency Measurements for Power conditioners / Inverters	as per IEC 61683 / IS:61683
	Environmental Testing for Power conditioners / Inverters	as per IEC 60068-2 (1,2,14,30) /Equivalent BIS Std.
	PCU/inverter shall be capable of complete automatic operation for	wake-up, synchronization and shutdown.
	Out put over current protection	Yes
	Out put over voltage protection	Yes
	Short circuit protection	Yes
	Overload protection	110% for 1 Minute,,125% for 30 sec.,,150% for 5 sec.
	Over temperature protection	Yes at 65 Deg. C Cooling Fan will auto switch ON

PROTECTION FOR INVERTER	Surge protection	Metal Oxide Varistor (MOV)
	Insulation Resistance Monitoring	Yes
	Grid Monitoring protection	Yes
	THD (in %)	<1.5%
	Power factor at rated out put power	0.8
	Inverter body material	Aluminium Casting
SERVICE CONDITION	Operating temperature	-25 to +60 deg. C
	Relative Humidity (in %)	> 95 % non condensing
	Maximum altitude above sea level (in m)	4000
DISPLAY FEATURES ON INVERTER	Type of display	LCD
	Display parameters	DC Voltage,DC Current,AC Voltage,AC Current,Out put frequency,Power Factor
	Display for Generating power data	Daily, Weekly, Monthly, Yearly with total generation
	Generating power Data storage facility	Yes for 2 Years from the date of commissioning
	Interface facility for transmitting the generating power data for cloud storage	With Wifi Dongle
	Net meter	Approved by Government of India/State Government authority concerned for connecting to Grid
Add on items - DC DISTRIBUTION BOARD	DC Distribution panel to receive the DC output from the array field	Yes with surge arrestors
	Ingress protection (Enclosure protection) of DC Distribution Box	IP65
	Material of bus bar and size	Copper, size as per inverter rating
	Circuit Breaker for input side (DC side) for each inverter	MCB 10 A
Add on items - CABLE FOR INPUT	ISI Marked Connecting cables according to Inverter rating for each system	PV Module to Inverter DC
	Electric Cable for Input	1C x 6 Sq. mm, Copper Cable (as per IS:694:2010 latest)
	Cable Length for PV Module to Inverter, DC (in m)	10
Add on items - AC DISTRIBUTION BOARD	AC Distribution Panel Board (DPB) for controlling the AC power from PCU/inverter	1 Phase 230 Volt +/- 10%, 50 HZ +/-3%
	Panel construction	Metal clad, totally enclosed, floor mounted, air insulated, cubical type with change over switch
	Ingress protection (Enclosure protection) of AC Distribution Box	IP65 for outdoor
	All switches and the circuit breakers, connectors should conform to	IS:60947 part I, II and III
	Panels designed for minimum expected ambient temperature	45 deg. C
	Circuit Breaker for output side (AC side) for each inverter	MCB 16 A
Add on items - CABLE FOR OUTPUT	ISI Marked Connecting cables according to Inverter rating for each system.	From Inverter to Net Meter
	Conformity of the specification for cable	2C x 6 Sq. mm, Copper Cable (as per IS:694:2010 latest)
	Cable length for output side (from inverter to Net Meter for each system) (in m)	15
Other Add on Items	Cabling work at input side for each system	With PVC Conduit pipe with necessary clamps and screws
	Cabling work at Output side for each system	With Cable Tray with fitment accessories
	Lightning arrester for each unit	Yes
	Earthing for each inverter	G.I. Pipe, G.I. Wires and earthing as per IS:3043-1987.
	Danger boards and signages	1 No.
PV Module	PV Module manufactured in	INDIA
	PV Module conforming to	IEC 61215/IS:14286 latest for Crystalline silicon terrestrial
	PV Moduels Constrution, Testing and Safety requirements	as per IEC 61730 (Part 1) and (Part 2) latest
	PV Modules shall comply Salt Mist Corrosion testing	as per IEC:61701/IS:61701 latest
	PV Module rating (in Wp)	545
	Tolerance for rated out put power of PV Module	+/-3%
	No. of PV Module for each solar power plant system - Must declare (in Nos.)	10
	The peak-power point voltage and the peak-power point current of any supplied module	not vary by more than 2 %
	Protective devices against surges at the PV module	Yes
	Material for Module Frame (Corrosion resistant)	Anodized aluminum

	Each PV Module supply with	IV Curve sheet at STC
	Each PV Module shall supply with RFID tag with complete information about PV Modules	Yes
ARRAY STRUCTURE	Material of mounting structure for mounting the modules/ panels/arrays	Hot dip galvanized MS mounting structures
	Angle of inclination as per the site conditions to take maximum insolation	Yes for each mounting structure
	Material of mounting structure	Structural Steel, Grade: E300 (as per IS:2062:2011 latest)
	Galvanization of the mounting structure	as per IS:4759 latest
	Structural material shall be corrosion resistant and electrolytically compatible	Module frame, fasteners, nuts and bolts
	Material of fasteners	Steel as per IS:1367 (Pt.1):2002 latest
	The structures design	Designed to allow easy replacement of any module
	Civil structures	As per the load bearing capacity of the roof and the suitable structures based on the quality of roof
	The total load of the structure (when installed with PV modules)	Less than 60 kg/m2. on the terrace
	Minimum clearance of the structure from the roof level	300 mm
JUNCTION BOX	The junction boxes	Provided in the PV array for termination of connecting cables
	Junction Box on PV Module	Sealed type
	Material of Junction Box	GRP(Glass reinforced plastic)
	Ingress protection (Degree of Protection) for Junction Box	P67
	Wires/cables termination	Through Cable Lugs
	Input and output termination	Through single or double compression cable glands.
	Copper bus bars/terminal blocks housed in the junction box with suitable termination threads	Yes
	Provision of earthing	Yes
WIND LOAD	Surge protection device for each junction box	Yes
	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
WARRANTY & GUARANTEE	Regional wind withstand capacity which the Mounting structure of PV system support is suitable to withstand (in Km/Hour)	180
	Minimum guarantee for maintaining of output peak watt capacity	> / = 90% at the end of 10 years and >/= 80% at the end of 25 years
	Warranty for PV Modules from the date of supply as per MNRE specn.,	>/=25 Years
	The Warranty Card	Contain the details of the system and information about the system and conditions of warranty
	OPERATION and MAINTENANCE MANUAL for each solar PV module shall be furnished to the buyer / consignee	Yes
	All the test reports and certificates shall be furnished by the seller to buyer / consignee on demand	Yes
	Minimum area required for installation Solar panels (sq. mt) - Must declare in Sq. Mtr.	20
	Minimum area required for installation of Solar Inverter (sq. mt) - - Must declare in Sq. Mtr.	1
	Minimum area required for installation of Net Meter (sq. mt) - - Must declare in Sq. Mtr.	1
	In case of Grid failure, or low or high voltage	Solar PV system out of synchronization and disconnected from the Grid
	Provision for Isolation of inverter output with respect to the Grid	Provided with 4 Pole Isolator provided
	Locking facility for isolation switch	Yes
	PV Modules shall comply with BIS compulsory registration scheme and certificates shall furnish to buyer / consignee on demand	Yes
	BIS CRS Certificate for PV Module	as per IS:14286 (for Crystalline Silicon Terrestrial Photovoltaic (PV) modules)
BIS CRS Number - Must declare	R-72005460	
Availability of type test reports of Wind Load withstand test for Mounting structure including calculation sheet from Central Govt., Lab/NABL/ILAC accredited lab to	Yes	

CERTIFICATIONS	prove conformity of the specification and agreed to furnish test reports and certif	
	Availability of type test reports for PCU/Inverter, PV Module to prove the conformity of the specification from Central Govt., Lab/NABL/ILAC accredited lab to prove conformity of the specification	Yes
	Report Number - Must declare	PV 60162647
	Report date - Must declare	14 FEB 2023
	Name of Lab - Must declare	TUV Rheinland
	Address of lab - Must declare	Germany
	Agreed to furnish all the test reports and certification to buyer / consignee on demand	Yes

टिप्पणी | Note:: Seller has given an undertaking that it has made arrangements for getting the stores from an authorized distributor / dealer / channel partner of the OEM of the offered product. At the time of delivery of goods, Seller will provide necessary chain documents (in the form of GST Invoice) to prove that the supplied goods are genuine and are being sourced from an authorized distributor / dealer / channel partner of the OEM. In case of any complaint about genuineness of the supplied products, Seller shall be responsible for providing genuine replacement supplies.

ईपीबीजी विवरण | ePBG Detail

सलाहकार बैंक Advisory Bank :	NA
ईपीबीजी प्रतिशत (%) ePBG Percentage(%):	NA

नियम और शर्तें | Terms and Conditions

1. General Terms and Conditions-

- 1.1 This contract is governed by the [General Terms and Conditions](#), conditions stipulated to this Product/Service as provided in the Marketplace.
- 1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

2. Buyer Added Bid Specific Terms and Conditions-

2.1 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 by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2.2 Turnover:

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.

2.3 Turnover:

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.

2.4 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.

2.5 Service & Support:

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

2.6 Service & Support:

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

2.7 Buyer Added Bid Specific ATC:

Buyer Added text based ATC clauses

YOU'RE COMPANY'S SERVICE CENTER 100 KM AREA IN GRAM PANCHAYAT

2.8 Certificates:

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.

2.9 Certificates:

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

2.10 Certificates:

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.

2.11 Certificates:

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.

2.12 Scope of Supply:

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

नोट: यह सिस्टम जनरेटेड फाइल है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.