अनुबंध|Contract

अनुबंध क्रमांक|Contract No: GEMC-511687704929146

अनुबंध तिथि|Generated Date : 22-May-2024

संगठन विवरण|Organisation Details

प्ररूप|Type :	State Government
मंत्रालय|Ministry :	-
विभाग|Department :	Higher Education Department Tripura
संगठन का नाम|Organisation Name :	Directorate of Higher Education
कार्यालय क्षेत्र|Office Zone:	Agartala

खरीदार विवरण|Buyer Details

पद|Designation :	Asist Professor
संपर्क नंबर|Contact No. :	0381-2342330-
ईमेल आईडी|Email ID :	buyer13.dhe.tripura@gembuyer.in
जीएसटीआईएन|GSTIN :	-
पता|Address :	Tripura Institute of Technology, Narsingarh, P.O: Bimangarh, Tripura West, WEST TRIPURA, TRIPURA-799009, India

वित्तीय स्वीकृति विवरण|Financial Approval Detail

आईएफडी सहमति|IFD Concurrence :	No
प्रशासनिक अनुमोदन का पदनाम| Designation of Administrative Approval:	Principal, TIT
वित्तीय अनुमोदन का पदनाम| Designation of Financial Approval :	Principal, TIT

भुगतान प्राधिकरण विवरण|Paying Authority Details

Role:	PAO
भुगतान का तरीका| Payment Mode:	Offline
पद|Designation :	Assistant Professor
ईमेल आईडी|Email ID :	ddo15.dhe.tr@gembuyer.in
जीएसटीआईएन|GSTIN :	-
पता|Address:	Tripura Institute of Technology, Narsingarh, P.O: Bimangarh, Tripura West, West Tripura, TRIPURA-799009, India

विक्रेता विवरण|Seller Details

जेम विक्रेता आईडी|GeM Seller ID :	EMM1230008175378
कंपनी का नाम|Company Name :	JHARNA ROY
संपर्क नंबर|Contact No. :	07005605474
ईमेल आईडी|Email ID :	jharnaroyrb@gmail.com
पता| Address :	majlishpur,BRIDHYANAGAR,RANIR BAZAR,MAJLISHPUR, West Tripura, TRIPURA-799035, -
एमएसएमई पंजीकरण संख्या|MSME Registration number :	-
जीएसटीआईएन|GSTIN:	16CKFPR0313C1ZP (R)

*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 : PRINCIPAL, TIT

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 :** GREENON ENERGY SERVICES LED Solar Power Plant (Roof Top) for ONGRID System, Three Phase 10 Kw power with voltage 200 V to 800 V **ब्रांड|Brand :** GREENON ENERGY SERVICES **ब्रांड प्रकार|Brand Type :** Registered Brand **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, Three Phase (Q3) **मॉडल|Model:** GES-PM-10kW **एचएसएन कोड|HSN Code:** HSN not specified by seller	1	set	131,999	NA	131,999
कुल ऑर्डर मूल्य |Total Order Value (in INR)						**131,999**

परेषिती विवरण|Consignee Detail

क्र.सं.|S.No	परेषिती|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
	पद| Designation : Asst Professor ईमेल आईडी|Email ID : con29.dhe.tr@gembuyer.in संपर्क|Contact : 0381-2342330-	GREENON ENERGY SERVICES LED Solar Power Plant (Roof Top)				

1	जीएसटीआईएन|GSTIN : - पता|Address : Tripura Institute of Technology, Narsingarh, P.O: Bimangarh, Tripura West, WEST TRIPURA, TRIPURA-799009, India	for ONGRID System, Three Phase 10 Kw power with voltage 200 V to 800 V	-	1	22-May-2024	06-Jun-2024

Product Specification for GREENON ENERGY SERVICES LED Solar Power Plant (Roof Top) for ONGRID System, Three Phase 10 Kw power with voltage 200 V to 800 V

विनिर्देश|Specification	उप-विनिर्देश|Sub-Spec	मूल्य|Value
INVERTER	Rated out put power of inverter (Kw)	10
	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 sets
	Maximum power point tracker	Integrated in the PCU/inverter to maximize energy drawn from the array
	Operating Voltage Range of Inverter	200 V to 800 V
	Over load support at Input side, DC	20% of Maximum Input Voltage for 3 phase system
	Maximum input current for each MPPT (in A)	22
	Service condition	Outdoor
	Ingress protection rating of inverter	IP 65 (for outdoor use)
	Cooling medium for inverter	Constant speed Fan 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
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 OUT PUT	Maximum current for 3 phase inverter (in A)	23.8
	Output voltage (in V)	415 for 3 phase
	Invert auto trip at output side	Lower : at 304 V, Higher : at 460 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

PROTECTION FOR INVERTER	Over temperature protection	Yes at 65 Deg. C Cooling Fan will auto switch ON
	Surge protection	Metal Oxide Varistor (MOV)
	Insulation Resistance Monitoring	Yes
	Grid Monitoring protection	Yes
	THD (in %)	< 3%
	Power factor at rated out put power	> 0.9
	Inverter body material	M.S. Plate
SERVICE CONDITION	Operating temperature	-20 to +50 deg. C
	Relative Humidity (in %)	> 95 % non condensing
	Maximum altitude above sea level (in m)	4000
DISPLAY FEATURES ON INVERTER	Type of display	LED
	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 4 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	3 Phase 415 Volt +/- 10%, 50 HZ +/-3 Hz
	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 32 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	3.5C 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 G.I. Cable Tray with fitment accessories
	Lightning arrestor 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)	Range 250 - 1000
	Tolerance for rated out put power of PV Module	+/-3%
	No. of PV Module for each solar power plant system	31
	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 Moudle supply with	IV Curve sheet at STC
	Each PV Module shall supply with RF ID tag with complet information about PV Modules	Yes
ARRAY STRUCTURE	Material of mounting structure	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 for mounting the modules/ panels/arrays	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 fastners	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 baring 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	FRP (Fibre reinforced plastics)
	Ingress protection (Degree of Protection) for Junction Box	IP67
	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
	Surge protection device for each junction box	Yes
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
	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 furnish to the buyer / consignee	Yes
	All the test reports and certificates shall be furnish by the seller to buyer / consignee on demand	Yes
	Minimum area required for installation Solar panels (sq. mt) - Must declare in Sq. Mtr.	100
	Minimum area required for installation of Solar Inverter (sq. mt) - - Must declare in Sq. Mtr.	10
	Minimum area required for installation of Net Meter (sq. mt) - - Must declare in Sq. Mtr.	10
	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
	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-72001414

CERTIFICATIONS	Availability of type test reports ofm Wind Load withstand test for Mounting strucutre including calculation sheet from Central Govt., Lab/NABL.ILAC acreediated lab to prove conformity of the specification and agreed to furnish test reports and certif	Yes
	Availability of type test reports for PCU/Inverter, PV Module to prove the conformity of the specifiction from	BIS approved Lab
	Report Number - Must declare	PV-60136267
	Report date - Must declare	16.01.2020
	Name of Lab - Must declare	TUV Rheinland
	Address of lab - Must declare	27/B,Bengaluru560100
	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

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