

अनुबंध | Contract



अनुबंध क्रमांक | Contract No: GEMC-511687764311724

अनुबंध तिथि | Generated Date : 16-Mar-2024

बोली/आरए/पीबीपी संख्या | Bid/RA/PBP No.: [GEM/2024/B/4727696](#)

संगठन विवरण Organisation Details	खरीदार विवरण Buyer Details
प्रकार Type : State Government मंत्रालय Ministry : - विभाग Department : Rural Development Department Uttar Pradesh संगठन का नाम Organisation Name : District rural development agency कार्यालय क्षेत्र Office Zone: block developement office kaiserganj	पद Designation : amit kumar संपर्क नंबर Contact No. : - ईमेल आईडी Email ID : con1.red.bahraich@gembuyer.in जीएसटीआईएन GSTIN : - पता Address : block development office, BAHRAICH, UTTAR PRADESH-271903, 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: BDO वित्तीय अनुमोदन का पदनाम Designation of Financial Approval : BDO	Role: BUYER भुगतान का तरीका Payment Mode: Offline पद Designation : amit kumar ईमेल आईडी Email ID : con1.red.bahraich@gembuyer.in जीएसटीआईएन GSTIN : - पता Address: block development office, Bahraich, UTTAR PRADESH-271903, India

विक्रेता विवरण Seller Details
जेम विक्रेता आईडी GeM Seller ID : HW19240011006550 कंपनी का नाम Company Name : ENGINEERING PROJECT INDIA संपर्क नंबर Contact No. : 09450009910 ईमेल आईडी Email ID : engineering.project1960@gmail.com पता Address : -,RAIPUR RAJA,BAHRAICH, Bahraich, UTTAR PRADESH-271801, - एमएसएमई सत्यापित MSME verified : No एमएसएमई पंजीकरण संख्या MSME Registration number : UDYAM-UP-10-0004540 एमएसएमई सामाजिक श्रेणी MSE Social Category : OBC एमएसएमई लिंग श्रेणी MSE Gender : OTHERS जीएसटीआईएन GSTIN: 09AAJFE6080B1ZJ

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

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 : UTL Polycrystalline Off-Grid Solar Photovoltaic (PV) power plant, Capacity 3 kVA ब्रांड Brand : UTL 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 : Off - Grid Solar Photovoltaic (PV) Power Plant (Q3) मॉडल Model: 3kW Off Grid Solar System एचएसएन कोड HSN Code: HSN not specified by seller	1	pieces	450,000	NA	450,000
कुल ऑर्डर मूल्य Total Order Value (in INR)						450,000

परोक्षिती विवरण Consignee Detail						
क्र.सं. S.No	परोक्षिती 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 : -					

1	ईमेल आईडी Email ID : con1.red.bahraich@gembuyer.in संपर्क Contact : - जीएसटीआईएन GSTIN : - पता Address : block development office, BAHRAICH, UTTAR PRADESH-271903, India	UTL Polycrystalline Off-Grid Solar Photovoltaic (PV) power plant, Capacity 3 kVA	-	1	16-Mar-2024	15-Apr-2024
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Product Specification for UTL Polycrystalline Off-Grid Solar Photovoltaic (PV) power plant, Capacity 3 kVA

विनिर्देश Specification	उप-विनिर्देश Sub-Spec	मूल्य Value
PV Module	Module glass air withstand capacity (km/hrs)	>=200km/hr
	Type of Solar Module	Polycrystalline
	Additional features	PID Resistance Technology,Multi-Layer EVA Encapsulation
	Rated power of each PV module used	290W
	Module conformity to specification	IEC 61215 Ed2,IEC 61701,IEC 61730 -1,IEC 61730-2
	Module linear power output degraaddation warranty	25 year
	Zero negative power tolerance	Yes
	Module frame material	anodised aluminium alloy frame
	Juction box Protection class	IP67
	open circuit voltage	18 Volt
	Marking on PV module	Name of manufacturer,month & year of manufacturing,I-V curve of module,Peak Power,Im,Vm,Fill factor,Serial no.,Model number,Name of Lab issuing IEC,date & year of obtaining IEC PV module qualification
	Module efficiency	>=17%
	Module product warranty	25 year
Power Conditioning Unit (PCU)	Power factor for lead	>=0.8
	Charger technology	MPPT
	Warranty of PCU	60 month
	Electrical protections	Under/over voltage protection at input & output of battery,Reverse polarity protection for array & battery,Output overload protection,Short circuit protection,Over temperature protection,Surge protection
	Output phase	Single
	Charging stages	Boost,Absorption,Float
	Output waveform type	Pure Sine Wave
	Rated Output Voltage (AC)	230 Volt
	Rated Power (kVA)	3
	Conformity to specification	IEC 61683,IEC 60068,IEC 60529
	Controller	32 bit DSP controller
	Automatic changeover between solar & AC mains provided	Yes
	Efficiency at STP for linear loading	>=90%
	Protection class	IP20
	Rated Frequency	50 Hertz
	Input Phase	Single
	Maximum operating ambient temperature	50 degree Celsius
Switching device	IGBT	
Nominal battery DC system voltage	12 Volt	
Display parameter	Array voltage,Array current,Array power,Battery voltage,Battery current,Grid Voltage,Output. Day kWh,Date,Time	
Power factor for lag	>=0.8	
Module Mounting Structure	Material of all nuts, bolts & factners etc	Stainless steel
	Adjacent Module air gap	25 millimeter
	Mounting structure wind withstand ability	>=150km/hr
	Weather proof Junction box provided for connections	Yes

	Module tilt angle	22 degree
	Type	Galvanised module mounting structures(MMS)
	Thickness(micron)	>=80
Generic	Component	Balance of System (BOS) Items/Components,Battery Rack/Trolley,Electrical Connections,DC MCB/DC Distribution Box,AC DISTRIBUTION BOARD (ACDB)
	Additional features to be specified	no
	capacity of power plant (kVA)	3
Battery specifications	Suitable battery stand/size with roller provided	Yes
	Acid level indicator provided	Yes
	Battery voltage	12 Volt
	Battery warranty	5 year
	No of battery	4
	Battery type	C 10 Tubular Lead Acid
	Battery capacity (Ah)	150
	Carrying handle	Yes
	Terminal cover provided	Yes
BOS items	Switches/Circuit breaker/connector with SPD as per	IEC 529,SPD as per IEC 61643-11/12,IEC 60947,IS 60947
	PVC insulated cable for working voltage and UV protected for outer installation as per	TUV,IEC 60228,IS 694,IS 1554
	Protection class of junction box/enclosure box	IP 55,IP 65
	Earthing & Lighting protection as per	IEC- 62561-7
Certifications and Standards	ISO certification number and date	22EQFW59 and 59
	Copies of reports and certifications to be furnished to buyer on demand at time of supplies	Yes
	Manufacturer should be ISO certified	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.

व्यापक रखरखाव के लिए शुल्क | Comprehensive maintenance charges for UTL Polycrystalline Off-Grid Solar Photovoltaic (PV) power plant, Capacity 3 kVA

सेवा वर्ष Service Year	सीएमसी प्रतिशत CMC Percentage	कर द्विभाजन Tax Bifurcation
CMC charges for 1 st year after warranty period in % of cost of equipment	3%	NA
CMC charges for 2 nd year after warranty period in % of cost of equipment	3%	
CMC charges for 3 rd year after warranty period in % of cost of equipment	3%	
CMC charges for 4 th year after warranty period in % of cost of equipment	3%	
CMC charges for 5 th year after warranty period in % of cost of equipment	3%	

सीएमसी के लिए अतिरिक्त खंड | Additional Clauses for CMC

- 1.CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months or as per user requirement. Cost of consumables shall not be included in CMC.Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- 2.CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.
- 3.GST shall be included in the CMC Charges quoted.
- 4.Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula.A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.
- 5.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user.
- 6.While creating a bid or RA, buyers shall indicate whether CMC is required against Yes/No" options. If CMC Charges are included, an option for number of years for CMC required after the warranty period shall be available.Under this option up to 10 years can be chosen for CMC charges beyond warranty period.
- 7.In case the bid has a provision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore

advised to include the cost of Comprehensive Warranty including spares (excluding consumables) also in product Cost.

8.The CMC functionality shall be available in bid only and no direct RA shall be applicable.In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

8.1.Buyer shall indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category parameters for the equipment. No. of years of warranty indicated here shall supersede the warranty period indicated elsewhere in bid or product specifications. The Seller while participating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable, if 5 year CMC selected:

CMC charges for 1st year after warranty period- Percentage to be indicated- A1

CMC charges for 2nd year after warranty period- Percentage to be indicated- A2

CMC charges for 3rd year after warranty period - Percentage to be indicated- A3

CMC charges for 4th year after warranty period - Percentage to be indicated- A4

CMC charges for 5th year after warranty period - Percentage to be indicated- A5

Similarly, A6 to A10 are to be indicated for 6th to 10th year of CMC if applicable.

8.2.The calculation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3.In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below including CMC and then show the inter-se-ranking of the bidders. The following are the variables

(i) Number of years for which CMC required.

(ii) Number of years of product warranty

The formula for calculating total cost including CMC charges shall be as under:

Total Cost for evaluation=

$C + C * \{(A1/100)/(1.10^n) + (A2/100)/(1.10^{n+1}) + (A3/100)/(1.10^{n+2}) + (A4/100)/(1.10^{n+3}) + (A5/100)/(1.10^{n+4})\}$ and so on

C - Cost for equipment quoted and n shall be number of years of product warranty specified.

If 2 year warranty specified, n shall be 2 and if 5 year warranty specified, n shall be 5. A1, A2, A3, A4 & A5 shall depend on how many years CMC selected. For 3 year CMC, only A1, A2 and A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4.CMC charges offered for each subsequent year should be same or higher than preceding year.

8.5.The CMC charges shall be offered within range of 3 to 10% of cost of equipment.

9.Since CMC charges are to be paid only later for each year during CMC period, applicable performance guarantee amount after placement of contract shall be based on the cost of equipment excluding the cost of CMC Charges.

10.Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 10% as specified in bid on total CMC

Charges.The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification.Bank guarantee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit the PBG or does not provide services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11.In case of splitting of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis.The equipment cost and CMC charges (year to year) shall be matched individually.

12.The CMC Contract shall be an offline contract to be handled by buyer.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

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.

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।

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