

Buyer Details		Seller Details	
Name:	Prasanna Kumar Senapati	Company Name:	VINEET ENGINEERS
Designation:	Training Officer Prasanna Senapati	Contact No.:	9999664599
Contact No.:	674-2390617-	Email ID:	VINITENGG1978@GMAIL.COM
Email ID:	prasanna.itibbsr@gov.in	Address:	279 SECOND FLOOR, GALI NO.5, DURGAPURI EXT, DELHI, East Delhi, DELHI-110093, -
GSTIN:	21BBNI00271F1D9		
	GOVT ITI BHUBANESWAR, Near Governer House		
Address:	BhubaneswarNayapalli Unit B, KHORDA, ODISHA-751012, India		

Financial Approval Detail

IFD Occurrence : Yes

Designation of Administrative Approval : PRINCIPAL INDUSTRIAL TRAINING INSTITUTE, BHUBANESWAR

Designation of Financial Approval : DDO

Seller Details

Company Name: VINEET ENGINEERS

Contact No.: 9999664599

Email ID: VINITENGG1978@GMAIL.COM

Address: 279 SECOND FLOOR, GALI NO.5, DURGAPURI EXT, DELHI, East Delhi, DELHI-110093, -

Product Details

#	Item Description	Category Name	Model	Ordered Quantity	Unit	Price (Inclusive of all Duties and Taxes in INR)
1	SOLAR POWER LAB SYSTEM WITH INTERFACING	inverters solar inverter	SCIENOTECH NVIS-6005A	1	pieces	41,500
Total Order Value (in INR)						41,500

Consignee Detail

S.No	Consignee	Item	Quantity	Expected Delivery Date
1	Prasanna Kumar Senapati Training Officer Prasanna Senapati Landline-674-2390617- prasanna.itibbsr@gov.in GOVT ITI BHUBANESWAR, Near Governer House BhubaneswarNayapalli Unit B, KHORDA, ODISHA-751012, India	SOLAR POWER LAB SYSTEM WITH INTERFACING	1	08-Dec-2019

Product Specification for SOLAR POWER LAB SYSTEM WITH INTERFACING

Specification	Sub-Spec	Value
GENERIC	Rating of inverter (KVA)	1.0 KVA
	ISI marked	No
	If ISI marked yes, CM/L No. must declare. If ISI mark No write NA	NA
	Nos. of phase	single
	Inverter output wave form	Pure sine wave
	Ingress protection rating of inverter	IP 23 for indoor use
	Built in protection for AC high/low voltage and frequency if connected to AC mains	IP 23 for indoor use
	Display Type	LCD

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Industrial Training Institute,
Bhubaneswar-12

	Area required for installation of Solar panels with mounting structure (sq. mt)	10	
	Material of mounting structure	Stainless steel	
	Mode of operation	To be used in conjunction with	
	Switching device	IGBT	
	Maximum power point tracking (MPPT)	yes	
	Galvanic isolation between input DC and output AC	yes	
	By-pass facility if connected to AC mains	IP 23 for indoor use	
	Display parameters like DC voltage (V) DC current (A) AC voltage(V)	YES	
	Sequence of power drawing	(1) SPV (2) AC MAINS (IF CONNECTED WITH AC POWER) (3) BATTERY	
	Nos. of modules in an array (NOS.)	2	
	Rating of individual PV module (Wp)	350	
	Salt mist corrosion resistant material for body and frame of SPV module	Galvanized steel	
CONSTRUCTIONAL	Provision for Solar generation meter	no	
	Provision for bidirectional meter (Net Meter)	no	
	Provision of anti rusting/ non corrosive mounting structure	yes	
	Sustainability of wind speed. (KM/Hr)	150	
	Type of battery (KM/Hr)	SMF	
	Capacity of battery bank (VAH)	3000	
	3 stage battery charging (float, boost and equalize stage) for long life of the battery	yes	
	Reverse polarity protection	yes	
	Complete installation work to be done by supplier	yes	
	Gross weight of the inverter (kg)	5	
	Reverse polarity protection for PV modules	yes	
	FUNCTIONAL	Inverter efficiency	85
		Total Harmonic distortion (%)	5
		Operating AC voltage range (Volts)	180-240
		Operating frequency range (Hz)	50
Operating Temperature (degree cel)		10-45	
Operating relative humidity (%)		20	
Load power factor		0.8	
Output regulation at rated voltage		Yes	
Over load Protection 110% for 60 Seconds ,125% for 30 Seconds and 150% for 5 seconds		yes	
Efficiency of Solar panel (%)		16	
Battery backup time at rated load (Hour)		2	
Battery bank Voltage (Volt)		13	
Conformity of inverter to environmental testing conditions as per IEC 600688-2 (1,2,14,30) or equivalent BIS standard		YES	
90% performance warranty for SPV (years)		10	
80% performance warranty for SPV (years)		25	
TTC for PV module from any MNRE lab as per MNRE 2015-2016	yes		
OEM test report for indigenously produced PV module (s)	yes		

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