

STANDARD FORM OF BIDDING DOCUMENT
FOR PROCUREMENT OF GOODS

TENDER-2018 /35

**TENDER DOCUMENT FOR PROVIDING AND INSTALLATION OF SOLAR
ENERGY SYSTEM AT SCHOOL BUILDING AND SITE OFFICE MALIR
CAMPUS SMIU KARACHI.**

Name of Department	Directorate of Works and Services
Name of procuring agency	SINDH MADRESSATUL ISLAM UNIVERSITY Aiwan-e-Tijarat Road, Shakra-e-Liaquat, Karachi-74000, Pakistan Tel : 021-99217501-02-03 Fax : 021-99217504 Website: www.smiu.edu.pk

TENDER DOCUMENT ISSUED ON: 03-December-2018
TENDER DOCUMENT ISSUED TO: ^{m/s.} SAZTEL (Pvt.) (Ltd.)



PRICE SCHEDULE TO BID

NAME OF WORK: PROVIDING AND INSTALLATION OF SOLAR ENERGY SYSTEM AT SCHOOL BUILDING AND SITE OFFICE MALIR CAMPUS (SMIU, KARACHI)

BILL OF QUANTITIES

A) School Building (Malir Campus)

S.#	ITEM NAME	Description	QTY	UNIT	UNIT PRICE	AMOUNT
1.	Solar PV Panels	250 Watts Polycrystalline Solar Panels (PV Cells of USA/ Canada/ German/ Japan or equivalent) with 10 Years manufacturing warranty and 25 years linear performance warranty at least 80% output power with Flash Report	32	Nos.	12,750/-	408,000/-
2.	Hybrid Solar Power Inverter	5kVA Smart Hybrid Solar Power Inverter, With Priority base and load Sharing feature, Input Voltage Range of 90 - 280 V AC, Stand By Power Consumption 2 W, Operating temperature -15 to 60 Degree Celsius, 95% Efficiency, 48 V DC Inverter, 2 Times Torque Bearing Capacity	2	Nos.	70,800/-	141,600/-
3.	Battery Banks	200 AH 12 V Battery Banks Liquid Tubular batteries Osaka or equivalent	4	Nos.	36,550/-	146,200/-
4.	Battery Racks	Mild Steel Sheets of 16 SWG (Internal Structure) for Battery Banks	1	Nos.	2,850/-	2,850/-
5.	Power	AC/ DC (PVC) Power cables of suitable sizes, (25mm + 16mm + 4mm etc.) of brands, Pakistan Cables, New age cables or equivalent per running feet	400	rft	113	45,200/- 45,200/-
6.	Mounting Structure	Mild Steel Galvanized Angle Iron (25mm x 25mm x 4mm) Frames with Mounting Structures (25mm x 25mm x 4mm) with hooks and ravel bolts suitable for installation of PV Panels to protect against wind power with direction adjustment capability subject to the satisfaction of the VTI administration	16	Nos.	4,250/-	68,000/-
7.	System accessories	Circuit Breakers + DC Battery Breaker + Single Phase Input Beaker of LG, Schneider, LS or equivalent), Change Over by Pass Switch (LG, Schneider, LS or equivalent), MC4 PV connectors, Junction Boxes, Nuts/Bolts, Thimbles (Chrome plated), PVC Cable Duct & conduits etc.	1	Job	32,400/-	32,400/-
8.	Site Services	Installation, Commissioning, Testing and Services. Transportation	1	Job	50,000/-	50,000/-
SUB TOTAL (A)						894,050/-

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B) Site Office (Malir Campus, SMIU)

C.F 874250

S.#	ITEM NAME	Description	QTY	UNIT	UNIT PRICE	AMOUNT
1.	Solar PV Panels	250 Watts Polycrystalline Solar Panels (PV Cells of USA/ Canada/ German/ Japan or equivalent) with 10 Years manufacturing warranty and 25 years linear performance warranty at least 80% output power with Flash Report	8	Nos.	12,750/-	102,000/-
2.	Hybrid Solar Power Inverter	5kVA Smart Hybrid Solar Power Inverter, With Priority Base and load Sharing feature, Input Voltage Range of 90 - 280 V AC, Stand By Power Consumption 2 W, Operating temperature 15 to 60 Degree Celsius, 95% Efficiency, 48 V DC Inverter, 2 Times Torque Bearing Capacity	1	Nos.	48,000/-	48,000/-
3.	Battery Banks	200 AH 12 V Battery Banks Liquid Tubular batteries Osaka or equivalent	2	Nos.	36,500/-	73,000/-
4.	Battery Racks	Mild Steel Sheets of 16 SWG (Internal Structure) for Battery Banks	1	Nos.	2,850/-	2,850/-
5.	Power	AC/ DC (PVC) Power cables of suitable sizes, (25mm + 16mm + 4mm etc.) of brands, Pakistan Cables, New age cables or equivalent per running feet	200	rft	113	22,600/-
6.	Mounting Structure	Mild Steel Galvanized Angle Iron (25mm x 25mm x 4mm) Frames with Mounting Structures (25mm x 25mm x 4mm) with hooks and ravel bolts suitable for installation of PV Panels to protect against wind power with direction adjustment capability subject to the satisfaction of the VTI administration	4	Nos.	4,250/-	17,000/-
7.	System accessories	Circuit Breakers + DC Battery Breaker + Single Phase Input Beaker of LG, Schneider, LS or equivalent), Change Over by Pass Switch (LG, Schneider, LS or equivalent), MC4 PV connectors, Junction Boxes, Nuts/Bolts, Thimbles (Chrome plated), PVC Cable Duct & conduits etc.	1	Job	12,150/-	12,150/-
8.	Site Services	Installation, Commissioning, Testing and Services. Transportation	1	Job	20,000/-	20,000/-
SUB TOTAL (B)						297,500/-
GRAND TOTAL (A+B)						1,191,750/-

GRAND TOTAL (in words)

One Million One Hundred Ninety One Thousand Seven Hundred and Fifty
 One Million one Hundred Ninety one Thousand 2 Nine Hundred fifty

1191950/-

Signature of Contractor & seal

12/12/18

17/12/18

Convener Tender Committee

