TECHNICAL EVALUATION REPORT

(As per Rule 35 of PP Rules 2004)

1	Name of Procuring Agency:	**Karachi Port Trust**
2	Method of Procurement:	**Notice for tender invitation through news paper published in Daily Dawn and Daily Dunya on 01.06.2025 and tender documents uploaded in EPAD system. Under PPRA rule 36(b) i.e. single stage two envelope procedure.**
3	Title of Procurement:	**Supply, Installation & Commissioning of 600 KW ongrid Solar system at OP-II & OP-III.**
4	Tender Inquiry No:	**E-11/2025**
5	EPAD system ID:	**F-250651846**
6	Date & Time of Bid Closing:	**21-07-2025 at 11:00 hrs**
7	Date & Time of Bid Opening:	**21-07-2025 at 11:30 hrs**
8	No of Bids Received:	**08 Nos**
9	Criteria for Bid Evaluation:	**As per TEC**
10	Details of Bid(s) Evaluation:	**Given Below**

Name of Bidder	**Technical Marks**	**Rule/ Regulation/SBD/policy /Basis for Rejection/ Acceptance as per Rule 35 of PP Rules,2004**
M/s Sympl Energy (Pvt) Ltd JV with M/s Triac Power (Pvt) Ltd	96 Marks Weightage=67.2 out of 70	QUALIFIED
M/s Ideal power solutions (Pvt) Ltd	94 Marks Weightage= 65.8 out of 70	QUALIFIED
M/s Royal Solar Energy (Pvt) Ltd	92.5 Marks Weightage=64.75 out of 70	QUALIFIED
M/s Nizam Energy (Pvt) Ltd	92 Marks Weightage= 64.4 out of 70	QUALIFIED
M/s Creative Electronics (Pvt) Ltd	91 Marks Weightage=63.7 out of 70	QUALIFIED
M/s Ningbo Green Light Energy (Pvt) Ltd JV with M/s Telecom Foundation	91 Marks Weightage=63.7 out of 70	QUALIFIED
M/s Iceberg Industries	-	**Disqualified** fail to secure minimum qualifying marks i.e. 70% in 'D' (Goods Reliability) category of Technical Evaluation Criteria
M/s A&A. Enterprises	-	**Disqualified** due to non compliance of Technical Evaluation Criteria mandatory requirement

11. Any other additional / supporting information, the procuring agency may like to share.
(TEC report attached)

10/9/25

Signature: Dy. Chief Electrical Engineer (O&M)

TEC Convener Karachi Port Trust

Official Stamp:.....

No.(M)/DCEE(O&M)/2025/ 64
Dated 26/08/25

Mech & Elect Engg Deptt.
M.I. YARD , West Wharf,
Karachi

DY.CHIEF ELECT. ENGINEER(S&C)

SUBJECT: SUPPLY, INSTALLATION & COMMISSIONING OF 600KW ON-GRID SOLAR SYSTEM AT OP-II & OP-III

KARACHI PORT TRUST
DCEE S&C SECTION
Berth No.10, Keamari, Karachi
IR:NO: 1050
DATED: 26/8/25

In pursuance to the tender vide reference above, 08 offers submitted by following bidders in technical bid of subject tender case:

i. M/s. Creative Electronics (Pvt) Ltd
ii. M/s. Royal Solar Energy (Pvt) Ltd
iii. M/s. Nizam Energy (Pvt) Ltd
iv. M/s. Iceberg Industries
v. M/s. Ideal Power Solutions (Pvt) Ltd
vi. M/s. Sympl Energy (Pvt) Ltd JV M/s. Triac power (Pvt) Ltd
vii. M/s. Ningbo green light energy (Pvt) Ltd JV M/s. Telecom Foundation
viii. M/s. A&A Enterprises

After DTC meeting, Technical Evaluation Committee again reviewed listed firms mandatory & technical requirements of TEC along with Performa 'A&B'. The committee determined that two firms did not meet the mandatory & technical tender requirements of TEC. As such, they will not be further considering due to following reasons.

M/s. A&A Enterprises fail to meet TEC Mandatory requirement S.No.1.

M/s. Iceberg Industries fail to secure minimum qualifying marks i.e. 70% in 'D' (Goods Reliability) category of TEC Technical requirement.

The following six firms meet mandatory & technical TEC requirements and declared technically qualified, their financial bid may be opened.

M/s. Creative Electronics (Pvt) Ltd
M/s. Royal Solar Energy (Pvt) Ltd
M/s. Nizam Energy (Pvt) Ltd
M/s. Ideal Power Solutions (Pvt) Ltd
M/s. Sympl Energy (Pvt) Ltd JV M/s. Triac power (Pvt) Ltd
M/s. Ningbo green light energy (Pvt) Ltd. JV M/s. Telecom Foundation

Enclosed:
08 Nos. Technical Bids
Revised - Technical Evaluation Report
Scope of Work bidders comparisons
Performa 'A&B' bidders comparisons

25/8/25
DY. CHIEF ELECTRICAL ENGINEER (O&M)
Convener

KARACHI PORT TRUST
MECH & ELECT ENGG DEPTT

SUPPLY, INSTALLATION & COMMISSIONING OF 600KW ON-GRID SOLAR SYSTEM AT OP-II & OP-III

REVISED - TECHNICAL EVALUATION REPORT

1. It is submitted that with the approval of Competent Authority the subject tenders were invited through E-PAD (E-Pak Acquisition and Disposal system) via https://eprocure.gov.pk under PPRA rule 36(b) (i.e. single stage two envelope procedure) and the same were also available on KPT and PPRA websites. The pre bid meeting was held in the office of GM(E) on dated 23-06-2025. The last date to upload soft copies of bid document through EPADS was fixed on 21-07-2025 at 11:00 Hrs. Tender Bid was opened through EPAD system on 21-07-2025 at 11:30 Hrs.

2. In response following eight bidders participated and uploaded Technical offers.
   i. M/s. Creative Electronics (Pvt) Ltd
   ii. M/s. Royal Solar Energy (Pvt) Ltd
   iii. M/s. Nizam Energy (Pvt) Ltd
   iv. M/s. Iceberg Industries
   v. M/s. Ideal Power Solutions (Pvt) Ltd
   vi. M/s. Sympl Energy (Pvt) Ltd JV M/s. Triac power (Pvt) Ltd
   vii. M/s. Ningbo green light energy (Pvt) Ltd JV M/s. Telecom Foundation
   viii. M/s. A&A Enterprises

3. In this regards, first meeting of technical evaluation committee was held on 22-07-2025 at 10:00 hrs in Room No. 32 of CM&EE-II deptt at ground floor of KPT Head Office. The meeting was chaired by Dy.CEE (O&M) and following members attended the meeting.
   a) Dy. Chief Electrical Engineer (O&M)
   b) Director Port Intelligence
   c) Asst. Manager Finance

   During the meeting the technical proposal reviewed by above technical committee and discusses the technical bids received through EPAD system.

4. The second meeting of the committee was held on 10:00hrs dated 28-07-2025 and all the committee members attended the meeting. During meeting the technical proposal was again reviewed by above technical committee and detailed scrutiny of technical bids were conducted and Departmental Technical Committee (DTC) meeting under chairing of GM(E) was called for further evaluation.

5. DTC meeting for subject tender case was held in the office of GM (E) dated 13-08-2025. During the meeting committee members further evaluated technical bids and found following clarifications:

CLARIFICATIONS

Following clarification required from each (08 Nos.) tender participating firms

- One year standard warranty of complete Project.
- International Standard warranty for Solar Panel (Product warranty 15 years and performance warranty 25 years, 5 years Inverter warranty).

Following clarification required from M/s. Royal Solar Energy (Pvt) Ltd

- Provide detailed CV or Resume of Director / Controller on your firm's letter head.

6. Above mentioned clarifications were asked from tender participating firms through letters of Dy.CEE(O&M) vide No.(M)/DCEE(O&M)/2025/52 dated:15-08-2025 and vide No.(M)/DCEE(O&M)/2025/54 dated:18-08-2025. All firms replied for asked clarifications mentioning warranty period of complete project and its accessories and M/s.Royal Solar Energy also replied regarding clarification of CV of their Director/Controller.

7. Considering all above clarifications and their replies, the detailed evaluation of technical bids of 08 Nos. bidders as per TEC criteria is given as under:

I). **MANDATORY REQUIREMENT:**
The firms should fulfill for the following mandatory requirement / condition and supporting documents should be submitted accordingly:
CAUTION: Non compliance of any Mandatory Conditions will leads rejection of bid and no further evaluation:-

S.No	Description	M/s. Creative Electronics (Pvt) Ltd.	M/s. Royal Solar Energy (Pvt) Ltd.	M/s. Nizam Energy (Pvt) Ltd.	M/s. Iceberg Industries	M/s. Ideal Power Solutions (Pvt) Ltd.	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.	M/s. Ningbo green light energy (Pvt) Ltd. JV M/s. Telecom Foundation
1.	In case of companies and firms, last 03 years audited financial statements are to be provided showing minimum average turnover of Rs 200 million. OR In case of individuals / Sole proprietors, last 03 years tax returns filed with FBR are to be provided showing minimum turnover of Rs 200 million minimum on average for 03 years.	COMPLY Tag No.1	COMPLY Tag No.13	COMPLY Tag No.23	COMPLY Tag No.34	COMPLY Tag No.45	COMPLY Tag No:56	COMPLY Tag No.68
2.	Pakistan Engineering Council registration certificate for financial limit in Category C-4 technical categories EE-04 & EE-11.	COMPLY Tag No.2	COMPLY Tag No.14	COMPLY Tag No.24	COMPLY Tag No.35	COMPLY Tag No.46	COMPLY Tag No.57	COMPLY Tag No. 69(a)(b)
3.	Copy of registration Certificate from Alternative energy development board (AEDB) / Private power & infrastructure board (PPIB) in C1 category.	COMPLY Tag No.3	COMPLY Tag No.15	COMPLY Tag No.25	COMPLY Tag No.36	COMPLY Tag No.47	COMPLY Tag No.58	COMPLY After Tag No.69(a)
4.	Affidavit is to be submitted on Rs 100/- stamp paper mentioning therein that the firm has not been black listed by any Government / Semi Government / Autonomous / Semi Autonomous body.	COMPLY Tag No.4	COMPLY Tag No.16	COMPLY Tag No.26	COMPLY Tag No.37	COMPLY Tag No.48	COMPLY Tag No.59	COMPLY Tag No.70
5	Copy of certificate of NTN, GST, SRB & fresh copy of ATL.	COMPLY Tag No.5	COMPLY Tag No.17	COMPLY Tag No.27	COMPLY Tag No.38	COMPLY Tag No.49	COMPLY Tag No.60	COMPLY Tag No. 71(a)(b)
6.	The bidder shall submit their bid on original tender documents duly filled with each page signed and stamped against each column as token of acceptance.	COMPLY Tag No.6	COMPLY Tag No.18	COMPLY Tag No.28	COMPLY Tag No.39	COMPLY Tag No.50	COMPLY Tag No.61	COMPLY Tag No.72
7.	If any firm have to participate in the subject tender with their JV firm(s), the actually tender participating firm (Principal firm) must have relevant experience as required in the subject tender.	N / A	N / A	N / A	N / A	N / A	COMPLY Tag No.62(JV agreement) Tag No.65 (relevant experience)	COMPLY Tag No.73(JV agreement) Tag No.76 (relevant experience)

II). TECHNICAL REQUIRMENT

Minimum Qualifying Marks =70% in each category
The points / marks shall be given in the following manners:

Summary of marks / points

	Category	Maximum point / marks	To qualify Minimum points to be scored separately in each category
A.	Status of firm	10	7 i.e 70% of 10 marks
B.	Professional Capability	30	21 i.e 70% of 30 marks
C.	Relevant Experience	30	21 i.e 70% of 30 marks
D.	Goods Reliability	10	7 i.e 70% of 10 marks
E.	Financial	20	14 i.e 70% of 20 marks
	Total	100	70 i.e 70% of 100 marks

S.No	Description	Min-Max Marks	M/s. Creative Electronics (Pvt) Ltd.	M/s. Royal Solar Energy (Pvt) Ltd.	M/s. Nizam Energy (Pvt) Ltd.	M/s. Iceberg Industries	M/s. Ideal Power Solutions (Pvt) Ltd.	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.	M/s. Ningbo green light energy (Pvt) Ltd. JV M/s. Telecom Foundation
A.	STATUS OF FIRM : (Max. marks-10) (Min marks 07)								
	i). .Private Limited / corporation .Partnership . Proprietor	05 marks 04 marks 3.5 marks	05 Marks Tag No.5	05 Marks Tag No.17	05 Marks Tag No.27	04 Marks Tag No.38	05 Marks Tag No.49	05 Marks Tag No.60	05 Marks Tag No.73
	ii) . Completion of 05 years of firm established Completion of 04 years of firm established . Completion of 03 years of firm established .Below 03 years of firm established (Evidence to be provided)	05 marks 04 marks 3.5 marks 00 marks	05 Marks Tag No.5	05 Marks Tag No.17	05 Marks Tag No.27	05 Marks Tag No.38	05 Marks Tag No.49	3.5 Marks Tag No.60	05 Marks Tag No.71(b)
	Total		10 Marks	10 Marks	10 Marks	09 Marks	10 Marks	8.5 Marks	10 Marks

B.	PROFESSIONAL CAPABILITY (Max. marks-30) (Min marks-21)	Min-Max Marks	M/s. Creative Electronics (Pvt) Ltd.	M/s. Royal Solar Energy (Pvt) Ltd.	M/s. Nizam Energy (Pvt) Ltd.	M/s. Iceberg Industries	M/s. Ideal Power Solutions (Pvt) Ltd.	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.	M/s. Ningbo green light energy (Pvt) Ltd. JV M/s. Telecom Foundation
	i). **Managerial staff. (10 Marks)** • Director / Controller (10 years experience) • Manager Engineering (05 years experience) • Manager Finance (05 years experience)	10 marks 8.5 marks 07 marks	10 Marks Tag No.7	10 Marks Tag No.19	10 Marks Tag No.29	10 Marks Tag No.40	10 Marks Tag No.51	10 Marks Tag No.63	10 Marks Tag No.74
	ii). **Technical staff.(10 Marks)** Provide detail of technical staff involved in Solar installation work: Electrical / Electronic / Mechatronics Engineer having 05-10 years experience. Electrical / Electronic / Mechatronics Engineer having 03-05 years experience. Electrical / Electronic / Mechatronics Engineer having 01-03 years experience.	10 marks 8.5 marks 07 marks	10 Marks Tag No.8	07 Marks Tag No.19	10 Marks Tag No.29	07 Marks Tag No.40	10 Marks Tag No.51	8.5 Marks Tag No.63	10 Marks Tag No.74
	iii. **Work Facility (10 marks)** Detail to be provided methodology of Solar repairing workshop facility, fully equipped with machine & tools required for subject work having following accessories. ▪ Online facility 24/7 diagnosing fault. ▪ Air compressor ▪ Pneumatic tools ▪ Plate bending machine ▪ Welding plant ▪ Shaper grinding machine ▪ Electric grinders ▪ Tools for fabrication work ▪ List of safety equipment such as helmet safety goggles hand gloves etc will carry.	2 marks 1 marks 1 marks 1 marks 1 marks 1 marks 1 marks 1 marks 1 marks 1 marks	10 Marks Tag No.9	10 Marks Tag No.20	05 Marks Tag No.30	08 Marks Tag No.41	10 Marks Tag No.52	09 Marks Tag No.64	01 Marks Tag No.75
		Total	**30 Marks**	**27 Marks**	**25 Marks**	**25 Marks**	**30 Marks**	**27.5 Marks**	**21 Marks**

C.	**RELEVANT EXPERIENCE** **(Max. marks-30) (Min marks-21)**	**Min-Max Marks**	**M/s. Creative Electronics (Pvt) Ltd.**	**M/s. Royal Solar Energy (Pvt) Ltd.**	**M/s. Nizam Energy (Pvt) Ltd.**	**M/s. Iceberg Industries**	**M/s. Ideal Power Solutions (Pvt) Ltd.**	**M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.**	**M/s. Ningbo green light energy (Pvt) Ltd. JV M/s. Telecom Foundation**
	Give reference to (documentary proof along with authenticated client's verified work order): ▪ 05 contracts for Solar Installation work of 600KW or above. ▪ 03 contracts for Solar Installation work of 600KW or above. ▪ 02 contracts for Solar Installation work of 600KW or above. ▪ Less than 02 contracts for Solar Installation work of 600KW or above.	30 marks 25.5 marks 21 marks 00 marks	**21 Marks Tag No.10**	**25.5 Marks Tag No.21**	**30 Marks Tag No.31**	**30 Marks Tag No.42**	**30 Marks Tag No.53**	**30 Marks Tag No.65**	**30 Marks Tag No.76**
D.	**GOODS RELIABILITY** **(Max. marks-10) (Min marks-07)**								
	Generation Number for 25 Years: 80% to 85% overall system generation 75% to 79% overall system generation 70% to 74% overall system generation Below 70% overall system generation Note: Required Software Report as well as 25 years generation number in given table (Annexure A)	10 marks 8.5 marks 07 marks 00 marks	**10 Marks Tag No.11** (Performance ratio is 83%)	**10 Marks Tag No.88** (Performance ratio is 81.61%)	**07 Marks Tag No.32** (Performance ratio is 73.5%)	**00 Marks Tag No.43** (System generation is less than 70%) **07 Min marks req. to qualify in 'D' category**	**10 Marks Tag No.54** (Performance ratio is 81.85%)	**10 Marks Tag No.66** (Performance ratio is 90.03%)	**10 Marks Tag No.89** (Performance ratio is 84%)
E.	**FINANCIAL SOUNDNESS** **(Max. marks-20) (Min marks-14)**								
	Turnover. 300 Million and above. 250 Million and less than 300 Million. 200 Million and less than 250 Million. Below 200 Million.	20 marks 16 marks 14 marks 00 marks	**20 Marks Tag No.1**	**20 Marks Tag No.13**	**20 Marks Tag No.23**	**20 Marks Tag No.34**	**14 Marks Tag No.45**	**20 Marks Tag No.56**	**20 Marks Tag No.68**

	M/s. Creative Electronic (Pvt) Ltd.	M/s. Royal Solar Energy (Pvt) Ltd.	M/s. Nizam Energy (Pvt) Ltd.	M/s. Iceberg Industries	M/s. Ideal Power Solutions (Pvt) Ltd.	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.	M/s. Ningbo green light energy (Pvt) Ltd. JV M/s. Telecom Foundation
Grand Total (A+B+C+D+E)	91 Marks	92.5 Marks	92 Marks	Disqualified due to not scoring minimum qualifying marks in 'Goods Reliability' category of TEC	94 Marks	96 Marks	91 Marks
Technical Score = Bidder's Technical Score x 70 / Total Technical Score	91 x 70 / 100 = 63.7 Score	92.5 x 70 / 100 = 64.75 Score	92 x 70 / 100 = 64.4 Score	Disqualify	94 x 70 / 100 = 65.8 Score	96 x 70 / 100 = 67.2 Score	91 x 70 / 100 = 63.7 Score

8. The third meeting of the committee was held on 25-08-2025 at 10:00hrs in Room No. 32 of CM&EE-II deptt at ground floor of KPT Head Office and all committee members attended the meeting. The committee discussed the resulting outcomes of detailed TEC report and the mandatory conditions of evaluation criteria producing following observations:

OBSERVATIONS

- **M/s. A&A Enterprises**
  Above mentioned bidder failed to meet S.No.1 Mandatory Requirement of TEC i.e. In case of companies and firms, last 03 years audited financial statements are to be provided showing minimum average turnover of Rs 200 million.OR In case of individuals / Sole proprietors, last 03 years tax returns filed with FBR are to be provided showing minimum turnover of Rs 200 million minimum on average for 03 years.

- **M/s. Iceberg Industries**
  Above mentioned bidder does not scored minimum qualifying marks in 'D' category (Goods Reliability) of Technical Requirement for TEC because overall system generation is below 70%, to qualify Minimum marks(i.e. 70% marks) have to be scored separately in each category of Technical requirement for TEC. Hence making M/s. Iceberg Industries, Non-responsive for said tender bid and does not evaluated further.

RECOMMENDATIONS:

The technical evaluation committee reviewed the technical proposal and after detailed deliberation and discussion unanimously recommended that:

02 Nos. firms i.e.:

M/s. A&A Enterprises fail to meet S.No.1 of TEC Mandatory requirement.

M/s. Iceberg Industries fail to secure minimum qualifying marks i.e. 70% in 'D' (Goods Reliability) category of TEC Technical requirement

Hence above two firms does not meet Mandatory & Technical requirements of TEC therefore does not evaluated further.

06 Nos. firms i.e.:

M/s. Creative Electronics (Pvt) Ltd

M/s. Royal Solar Energy (Pvt) Ltd

M/s. Nizam Energy (Pvt) Ltd

M/s. Ideal Power Solutions (Pvt) Ltd

M/s. Sympl Energy (Pvt) Ltd JV M/s. Triac power (Pvt) Ltd

M/s. Ningbo green light energy (Pvt) Ltd. JV M/s. Telecom Foundation

Above six firms meet mandatory TEC requirements and declared technically qualified, their financial bid may be opened.

ASSTT MANAGER FINANCE
Member

DIRECTOR PORT INTELLIGENCE
Member

25/8/25

DY. CHIEF ELECTRICAL ENGINEER (O&M)
Convener

FOR TECHNICAL BID COMPARISONS

KARACHI PORT TRUST
MECH. & ELECT. ENGR-II DEPTT.

SCOPE OF WORK

SUPPLY, INSTALLATION & COMMISSIONING OF 600KW ON-GRID SOLAR SYSTEM AT OP-II & OP-III.

S. #	DESCRIPTIONS OF WORK	QTY	M/s. Creative Electronics (Pvt) Ltd. Tag No. 12	M/s. Royal Solar Energy (Pvt) Ltd. Tag No. 22	M/s. Nizam Energy (Pvt) Ltd. Tag No. 33	M/s. Ideal Power Solutions (Pvt) Ltd. Tag No. 55	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd. Tag No. 67	M/s. Ningbo Green Light Energy (Pvt) Ltd. JV M/s. Telecom Foundation Tag No. 77
1	**Solar Panel:** Supply / providing of Tier-1, Grade-A, 585W to 620W, Monoperc, half cut, HIMO6, N type of reputable make as per international standard, IEC61215, IEC61730, ISO9001, ISO14001, ISO45001.	1000 Nos	COMPLY Astro N5 CHSM78N(DG)/ F-BH 610W~630W	COMPLY JA Solar JAM66D45 LB 600W~620W	COMPLY Jinko Tiger Neo 66HL4M-BDV 600W~625W	COMPLY Longi / Jinko LR8-66HGD 600W~620W	COMPLY JA Solar JAM66D45 LB 600W~620W	COMPLY Jinko Tiger (78HL4-BDV) Astro 6 (CHSM60M(DG)/F-BH) JA Solar (JAM78S30 580-605/MR)
2.	**Inverter :** Supply / providing of Tier-1, Grade-A, on grid 125KW Inverter of reputable make as per international standard, IEC62109, IEC61727, IEC62116, IEC60068, IEC61683, IEC610006-2, IEC61000-6-4.	04 Nos	COMPLY Goodwe GT Series 3-ph, 125 kW	COMPLY CPS (Chint Power System) SCH Series / SAJ C6 Series String Inverters	COMPLY Goodwe GT Series 3-ph, 125 kW	COMPLY Goodwe (GT Series) / Sungrow SG125CX-P2 3-ph, 125 kW	COMPLY Growatt Max 100~125KTL3-X LV 3-ph, 125 kW	COMPLY Goodwe GT Series / Growatt Max 100~125KTL3-X LV
3	**Communication Devices:** Supply / providing of Wi-Fi Stick & Data logger including all communication devices and peripherals of reputable make as per international standard.	01 No	COMPLY Built in with Inverter	COMPLY Built in with Inverter	COMPLY Built in with Inverter	COMPLY Built in with Inverter	COMPLY Built in with Inverter	COMPLY Built in with Inverter
4	**PV Diesel Controller:** Supply / providing of PV Diesel Genset Controller for synchronization of solar with Genset of make Elum/Ecombi or equivalent as per international standard.	1 No	COMPLY	COMPLY	COMPLY	COMPLY Make Elum	COMPLY	COMPLY
5	**Lightning Arrestors:** Supply / providing of Copper imported make Lighting arrestors (Height=5m)	2 Nos	COMPLY	COMPLY	COMPLY	COMPLY Make TopBas	COMPLY	COMPLY
6	**AC / DC Earthing:** Supply / providing of Copper Rod (25mm Square) with Earthing Powder with Boring at less than 5 ohms (upto 25ft) for AC/DC Earthing Pits of lighting arrestors, Solar Panels & Inverters.	6 Jobs	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY

S. #	DESCRIPTIONS OF WORK	Qty	M/s. Creative Electronics (Pvt) Ltd.	M/s. Royal Solar Energy (Pvt) Ltd.	M/s. Nizam Energy (Pvt) Ltd.	M/s. Ideal Power Solutions (Pvt) Ltd.	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.	M/s. Ningbo Green Light Energy (Pvt) Ltd. JV M/s. Telecom Foundation
7	**M.S Elevated Structure:** (Height of Front pole: 09' & Back pole: 12' Tilt: 7 degrees) With Epoxy Paint, Hot Dip Galvanized along with walk way, Anti rust epoxy primer & Supporting materials.	01 Job	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
	Supply / providing of MS pipe 114mm dia size 14-gauge thickness.							
	Supply / providing of MS Main girder I-beam 5"x 3" size 10-gauge (3mm) thickness. 1.8kg/ft.							
	Supply / providing of MS Secondary girder I-beam 5"x2.5" size 12-gauge (2.5mm) thickness. 1.6kg/ft							
	Supply / providing of MS top plate 6"x 6" size 4mm thickness.							
	Supply / providing of MS base plate 8"x 8" size 8mm thickness.							
	Supply / providing of MS square pipe 1"x2" size 18-gauge thickness (for walkway & ladder).							
	Supply / providing of Aluminum T & Z clamps.							
8	**BoS (Balance of System):** Providing of AC Cable 95mm^2, 4 core Copper Wire PVC insulated make Pakistan Cables / Fast Cables or equivalent (from Inverter to AC Combiner Cabinet).	100 Mtr	COMPLY AC & DC cables Universal Cables PVC & XLPE insulated	COMPLY AC & DC cables Fast Cables, Cu or Al XLPE-PVC	COMPLY AC & DC cables Pakistan/Fast Cables or equivalent	COMPLY AC Cables Pakistan/Fast Cables DC Cables Kuka/Fast Cables	COMPLY AC & DC cables Pakistan/Fast Cables or equivalent	COMPLY AC & DC cables Pakistan/Fast Cables or equivalent
	Providing of AC Cable 300mm^2, 4 core Copper Wire PVC insulated make Pakistan Cables / Fast Cables or equivalent (from AC Combiner Cabinet to DB)	250 Mtr						
	Providing of AC Cable 10mm^2, single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Structure earthing)	3 Coils						
	Providing of AC Cable 25mm^2, single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for lighting arrestors)	2 Coils						
	Providing of AC Cable 50mm^2, single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for Inverter grounding)	2 Coils						
	Providing of AC Cable 2.5mm^2, single core Copper Wire PVC Green insulated make Pakistan Cables / Fast Cables or equivalent (for grounding solar panels)	3 Coils						

S. #	DESCRIPTIONS OF WORK	Qty	M/s. Creative Electronics (Pvt) Ltd.	M/s. Royal Solar Energy (Pvt) Ltd.	M/s. Nizam Energy (Pvt) Ltd.	M/s. Ideal Power Solutions (Pvt) Ltd.	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.	M/s. Ningbo Green Light Energy (Pvt) Ltd. JV M/s. Telecom Foundation
	Providing of DC Flexible Wire 6mm^2, single core 1000VDC , Copper Wire PVC insulated make Pakistan Cables / Fast, Cables or equivalent (for wiring of solar panels).	30,000 Mtr						
	Providing of CAT-6 cable IEC certified of reputable make.	2 Coils						
	Providing of AC Breakers 250A, MCCB, 400VAC 4-Pole make Terasaki, ABB or equivalent. (for inverter AC output supply)	4 Nos	COMPLY AC MCCB Chint (NXM series)	COMPLY Terasaki/ABB or equivalent	COMPLY Terasaki/ABB or equivalent	COMPLY Chint/ABB/ CNC	COMPLY Terasaki/ABB or equivalent	COMPLY Terasaki/ABB or equivalent
	Providing of AC Breakers 1000A, MCCB, 400VAC 4-Pole make Terasaki, ABB or equivalent. (for combining AC output of inverters)	1 No.						
	Providing of AC SPD 4-Pole 400VAC 80KA make Terasaki, ABB or equivalent.	4 Nos	COMPLY AC Surge Arrestor Chint (NU6-II)					
	Providing of DC Breakers 20A, MCB 1000VDC 2-Pole make Terasaki, ABB or equivalent. (for panels)	60 Nos	COMPLY DC MCB=Chint DC SPD=Noark					
	Supply of 16-Guage IP-42 AC Combiner Box Floor mounted 800mm X 2000mm X 800mm with complete filling scheme, railings & isolators for placing AC breakers, RYB indications with energy analyzer. Followings are specifications of floor mounted combiner.	1 No.	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
	1. I/P MCCB 4-Pole, 400VAC, 250amp x 4 Nos.							
	2. O/P ACB 4-Pole, 400VAC, 1000amp x 1 Nos.							
	3. SPD 4-Pole, 400VAC, 80KA x 4Nos.							
	4. Energy Analyzer x 6 Nos. Brand Phoenix							
	5. CT's, 1600/5 Amp x 3 Nos.							
	6. Phase Indidcation Lights x 3 Nos.							
	Providing of Wall Mounted DC Distribution Boxes of 16 Guage IP-42 reputable make for each inverter for placing DC Breakers, Size: WxHxD=2.5'x2.5'x1' with indication lamps, Digital Volt & Ammeter and with all necessary railings & fittings etc as per site requirements.	04 Nos						
	Providing of Misc Items e.g: Cable tray GI 16-SWG with 18-SWG cover. Accessories(MC4 Connectors, Cable ties, UPVC conduits, anchor bolts, PVC flexible pipes & clamps, PVC tapes, Thimbles etc)	01 Job						

9	**Supply New LT Panels:** Supply of 16-Guage IP-42 AC LT Panel Floor mounted 800mm X 2000mm X 800mm with complete filling scheme, railings & isolators for placing AC breakers, RYB indications with energy analyzer, Exhaust Fan, Filter, Panel Lights etc. Followings are specifications of floor mounted combiner. 1.ACB 4-Pole, 400VAC, 1250amp x 2 Nos. (automatic) 2.Energy Analyzer x 1Nos Brand- Circuitor/Tense 3.Control Fuses x 3Nos. 4.CT's, 1250/5 Amp x 3 Nos. 5.Auxiliary x 2Nos	01 Job	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
10	**Supply Material for Civil Works of Elevated Structure:** Constructing of Concrete Civil pads 1.5ft X 1.5ft Height 4 feet (3ft Depth, 1ft Above the ground level) 3/8 thickness (10mm) twist bar Rod. J-bolts 20mm thickness (3ft Height)	01 Job	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
11	**Excavation and Paver Block Installation:** The bidder shall be responsible for all excavation work, including soil removal and leveling, as required for the project. Additionally, providing, supply and proper installation of paver blocks shall also be the bidder's responsibility. All work must comply with project specifications and engineering standards	01 Job	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
12	**Services:** Installation, Commissioning, Net Metering (including Nepra Charges, KE charges, Load flow study will be responsibility of contractor) and Services of S. No. 1 to 11.	01 Job	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
13	**03 Years Preventive Maintenance:** After the warranty period of 12 months the contractor / firm would be required to provide 3 years preventive maintenance services and repairs without spare parts. A complete job in all respect as required at site. From S.No. 1 to 13	01 Job	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY

Note: All supply material and designing of project should be prior approved by site engineer.

25/8/25

Dy Chief Elect Engineer (O&M)
Convener

KARACHI PORT TRUST
MECH. & ELECT. ENGINEERING DEPARTMENT-II

PROFORMA 'A'

Particulars	M/s. Creative Electronics (Pvt) Ltd.	M/s. Royal Solar Energy (Pvt) Ltd.	M/s. Nizam Energy (Pvt) Ltd.	M/s. Ideal Power Solutions (Pvt) Ltd.	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.	M/s. Ningbo Green Light Energy (Pvt) Ltd. JV M/s. Telecom Foundation
1. Experience as a Contractor.	COMPLY More than 20 years Tag No. 5	COMPLY More than 09 years Tag No. 17	COMPLY More than 10 years Tag No. 27	COMPLY More than 08 years Tag No. 49	COMPLY More than 03 years Tag No. 60	COMPLY More than 15 years Tag No. 71(b)
2. Work carried out in the past with detailed cost, particulars and the year in which they were under taken etc.	COMPLY Documents attach at Tag No. 10	COMPLY Documents attach at Tag No. 21	COMPLY Documents attach at Tag No. 31	COMPLY Documents attach at Tag No. 53	COMPLY Documents attach at Tag No. 65	COMPLY Documents attach at Tag No. 76
3. Bankers reference regarding Financial status.	COMPLY Tag No. 1	COMPLY Tag No. 13	COMPLY Tag No. 23	COMPLY Tag No. 45	COMPLY Tag No. 56	COMPLY Tag No. 68
4. Whether registered with any other Department or Organization? If so, give details.	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
5. Plant and equipment in possession(Give Detail with cost)	COMPLY Tag No. 9	COMPLY Tag No. 20	COMPLY Tag No. 30	COMPLY Tag No. 52	COMPLY Tag No. 64	COMPLY Tag No. 75
6. Technical personnel employed; give Names and other details.	COMPLY Tag No. 8	COMPLY Tag No. 19	COMPLY Tag No. 29	COMPLY Tag No. 51	COMPLY Tag No. 63	COMPLY Tag No. 74
7. If your firm registered?	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
8. State Capital of your firm.	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY
9. Details of Income tax, Sales tax, Registration etc.	COMPLY Tag No. 5	COMPLY Tag No. 17	COMPLY Tag No. 27	COMPLY Tag No. 49	COMPLY Tag No. 60	COMPLY Tag No. 71
10. Number of years of actual work carried out in Pakistan.	COMPLY More than 20 years Tag No. 5	COMPLY More than 09 years Tag No. 17	COMPLY More than 10 years Tag No. 27	COMPLY More than 08 years Tag No. 49	COMPLY More than 03 years Tag No. 60	COMPLY More than 15 years Tag No. 71(b)
11. Attach attested copy of certificate of past work of the same nature carried out as that in tender.	COMPLY Documents attach at Tag No. 10	COMPLY Documents attach at Tag No. 21	COMPLY Documents attach at Tag No. 31	COMPLY Documents attach at Tag No. 53	COMPLY Documents attach at Tag No. 65	COMPLY Documents attach at Tag No. 76

KARACHI PORT TRUST
MECH & ELECT ENGG. DEPARTMENT

PROFORMA – "B"

S.NO	PARTICULARS	DETAILS					
		M/s. Creative Electronics (Pvt) Ltd.	M/s. Royal Solar Energy (Pvt) Ltd.	M/s. Nizam Energy (Pvt) Ltd.	M/s. Ideal Power Solutions (Pvt) Ltd.	M/s. Sympl Energy (Pvt) Ltd. JV M/s. Triac power (Pvt) Ltd.	M/s. Ningbo Green Light Energy (Pvt) Ltd. JV M/s. Telecom Foundation
1.	**In case of "SOLE PROPERIETOR SHIP" concern.** a. Full Name of the Proprietor. b. Business address and Phone No. if any. c. Residential address and Phone No. if any. d. Certified copy of certificate of registration with Registrar of Firms to be attached.	N / A	N / A	N / A	N / A	N / A	N / A
2.	**In case of "PARTNERSHIP" Concern:** a. Name of the Partners with their business/ residential address and Phone No. if any. b. Partnership Deed & Certificate of Registration (Certified copies to be attached)	N / A	N / A	N / A	N / A	COMPLY JV agreement attach at Tag No. 62	COMPLY JV agreement attach at Tag No. 73
3.	**In case of "PRIVATE LIMITED COMPANY".** a. Name of all Directors with their Business/Residential address and Phone No., if any. b. Memorandum & Articles of Association of the Company and Certificate of in corporation. (Certified copies to be attached.)	COMPLY PVT LTD. Company Details at Tag No. 5	COMPLY PVT LTD. Company Details at Tag No. 17	COMPLY PVT LTD. Company Details at Tag No. 27	COMPLY PVT LTD. Company Details at Tag No. 49	N / A	N / A
4.	**In case of "'PUBLIC LTD., COMPANY".** Memorandum & Articles of Association and (Certified copies to be attached).	N / A	N / A	N / A	N / A	N / A	N / A
5.	**In case firm is to be represented by "ATTORNEY".** a. Legal Status and full particulars of the Attorney. b. Period of validity of Power of Attorney (Certified copies of Special or General Power of Attorney duly executed on Stamp Paper of proper value and authenticated/attested by a competent Authority to be attached.	N / A	N / A	N / A	N / A	N / A	N / A
6.	**G.I.R. No: Income Tax and amount of Income paid during the last assessment year(state year of Assessment)**	NTN No. 2222459-9	NTN No. 7176180	NTN No. 4048293	NTN No. 5003318	NTN No. 4576282 6456041	NTN No. 8892310 0657171-9
7.	A Certificate from the Bankers, sealed and addressed to the KPT showing the financial position of the Institution tendering, should be enclosed.	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY	COMPLY

Dy. Chief Elect Engineer (O&M)
Convener