

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

CONTRACT EVALUATION FORM

TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS

- 1) NAME OF THE ORGANIZATION / DEPTT. Sindh Bank Ltd/Administration
- 2) PROVINCIAL / LOCAL GOVT./ OTHER Scheduled Bank
- 3) TITLE OF CONTRACT Supply & Installation of 30 KW Solar Hybrid PV System in PECH
- 4) TENDER NUMBER SNDB/COK/ADMIN/TD/1439/2025
- 5) BRIEF DESCRIPTION OF CONTRACT Supply & Installation of 30 KW Solar Hybrid PV System in PECH
- 6) FORUM THAT APPROVED THE SCHEME Competent Authority
- 7) TENDER ESTIMATED VALUE Rs.6,500,000/-
- 8) ENGINEER'S ESTIMATE
(For civil works only)
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 1 year
- 10) TENDER OPENED ON (DATE & TIME) 31.07.2025 at 1030 Hrs
- 11) NUMBER OF TENDER DOCUMENTS SOLD FOC (5)
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED 5
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS 5
- 14) BID EVALUATION REPORT 28.08.2025
(Enclose a copy)
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s. Azam Enterprises, Office No F34/1
Block-9. Scheme 5
- 16) CONTRACT AWARD PRICE Rs. 5,123,880/-
Rs. 5,123,880/-
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT
(i.e. 1st, 2nd, 3rd EVALUATION BID).
1. M/s. Azam Enterprises 2. M/s. Creative Electronics Pvt. Ltd
3. M/s. MZ Enterprises
- 18) METHOD OF PROCUREMENT USED : - (Tick one)
- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE ☒ Domestic/ Local
- b) SINGLE STAGE – TWO ENVELOPE PROCEDURE ☐
- c) TWO STAGE BIDDING PROCEDURE ☐
- d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE ☐

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e.
EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT _____
Competent Authority

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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21) ADVERTISEMENT :

i) SPPRA Website
(If yes, give date and SPPRA Identification No.)

Yes	EPADS S - _____
No	_____

ii) News Papers
(If yes, give names of newspapers and dates)

Yes	Express Tribune, Daily Express & Jeejal _____
No	_____

22) NATURE OF CONTRACT

Domestic/ Local	<input checked="" type="checkbox"/>	Int.	<input type="checkbox"/>
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23) WHETHER QUALIFICATION CRITERIA
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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24) WHETHER BID EVALUATION CRITERIA
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A
METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED
BID / BEST EVALUATED BID (in case of Consultancies)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY
COMPLIANT?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT
THE TIME OF OPENING OF BIDS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF
CONTRACT?
(Attach copy of the bid evaluation report)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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31) ANY COMPLAINTS RECEIVED
(If yes, result thereof)

Yes	
No	No

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS
(If yes, give details)

Yes	
No	No

33) WAS THE EXTENSION MADE IN RESPONSE TIME?
(If yes, give reasons)

Yes	
No	No

34) DEVIATION FROM QUALIFICATION CRITERIA
(If yes, give detailed reasons.)

Yes	
No	

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT
BLACK LISTED?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE
SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO
BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:
(If yes, enclose a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN
THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	No

Signature & Official Stamp of
Authorized Officer

ARSHAD ABBAS SOOMRO
Head of Administration & Security
Administration Division
Sindh Bank Limited
Head Office Karachi

4/9/225

FOR OFFICE USE ONLY

SPPRA, Block. No.8, Sindh Secretariat No.4-A, Court Road, Karachi
Tele: 021-9205356; 021-9205369 & Fax: 021-9206291

Print

Save

Reset



AZAM ENTERPRISES

Telesources Solution Provider

INTEGRITY PACT

Contract Number: 1453

Dated: 04-09-2025

Contract Value: Rs. 5,123,880/-

Contract Title: Supply & Installation of 30KW Solar Hybrid PV with LTL Battery

Declaration of Fees, Commissions and Brokerage etc. Payable by the Suppliers of Services Pursuant To Rule 89 Sindh Public Procurement Rules Act, 2010

M/s. Azam Enterprises hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (Gos) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (Gos) through any corrupt business practice.

Without limiting the generality of the foregoing, M/s. Azam Enterprises represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from Gos, except that which has been expressly declared pursuant hereto.

M/s. Azam Enterprises certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Gos and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty. M/s. Azam Enterprises accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to Gos under any law, contract or other instrument, be voidable at the option of Gos.

Notwithstanding any rights and remedies exercised by Gos in this regard, M/s. Azam Enterprises agrees to indemnify Gos for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Gos in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by, as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from Gos.

For and On Behalf of

Azam Enterprises

Signature: Sheraz Arshad

Name: Sheraz Arshad



For and On Behalf Of

Sindh Bank Limited

Signature: Arsiaq Azam

Name: Arsiaq Azam
Head of Admin



Bid Evaluation Report		
Supply & Installation of 30 KW Solar Hybrid System with Lithium Batteries for Premium Banking Branch at Khalid Bin Waleed Road PECHS Karachi		
1	Name of Procuring Agency	Sindh Bank Limited
2	Tender Reference No.	SNDB/COK/ADMIN/TD/1453/2025
3	Tender Description	Supply & Installation of 30 KW Solar Hybrid System with Lithium Batteries for Premium Banking Branch at Khalid Bin Waleed Road PECHS Karachi
4	Method of Procurement	Single Stage One Envelope Bidding Procedure
5	Tender Published & SPPRA S. No.	SPPRA E-PADS -S-250703268 Express tribune (English) , Express (Urdu), Jeejal (Sindhi) (16/07/2025)
6	Total Bids Received	05
7	Technical / Financial Bid Opening Date & Time	31/07/2025 at 1030 Hrs.
8	No. of bids qualified	05
9	Bid(s) Rejected / Disqualified	00

Details on the above as given below:

S. No	Name of Firm & Bidder	Qualified / Disqualified in Technical / Eligibility Inspection/ Mandatory	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost (Rs. 6,500,000/-)	Reasons for acceptance/ rejection	Remarks
1	2	3	4	5	6	7	
1.	M/s. Azam Enterprises	Qualified	Rs.5,123,880/- (Qty = 1)	1 st Lowest	Rs.1,376,120/- Below the Estimated Cost	Most Advantageous Bid	Accepted- Award of Contract
2.	M/s. Creative Electronics (Pvt) Ltd	Qualified	Rs.5,949,755/- (Qty = 1)	2 nd Lowest	Rs.550,245/- Below the Estimated Cost	2 nd Lowest	-----
3.	M/s. MZ Enterprises	Qualified	Rs.6,047,264/- (Qty = 1)	3 rd Lowest	Rs.452,736/- Below the Estimated Cost	3 rd Lowest	-----
4.	M/s. Zynergy Solutions	Disqualified	Rs.5,754,200/- (Qty = 1)	-----	-----	Disqualified in technical evaluation	-----
5.	M/s. Hotchand Bhurmal	Disqualified	Rs.8,838,914/- (Qty = 1)	-----	-----	Disqualified in technical evaluation	-----

Accordingly, going by the Technical/Financial Evaluation criteria laid down in the tender document, **M/s. Azam Enterprises** is the most advantageous bid i.e. Rs.5,123,880/- (Qty 01) and their bid is also below the estimated cost, hence recommended for award of contract for **Supply & Installation of 30 KW Solar Hybrid System with Lithium Batteries for Premium Banking Branch at Khalid Bin Waleed Road PECHS Karachi**.

Members Signature- Procurement Committee

Dilshad Hussain Khan
Chief Financial Officer

Arshad Abbas Soomro
Head of Administration

Director Works & Services
(SMIU) Karachi



SNDB/COK/ADMIN/TD/1453/2025

Dated: 04/09/2025

M/s. Azam Enterprises,
Office No.F-34/1.
Block-9, Scheme-5.
Kehkashan, Clifton
Karachi

Subject: Contract Award – Supply & Installation of Solar Hybrid PV System with Lithium Batteries for Premium Banking Branch at Khalid bin Waleed Road PECHS Karachi.

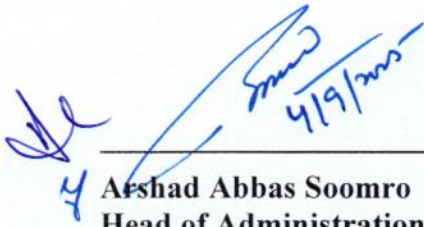
Dear Sir,

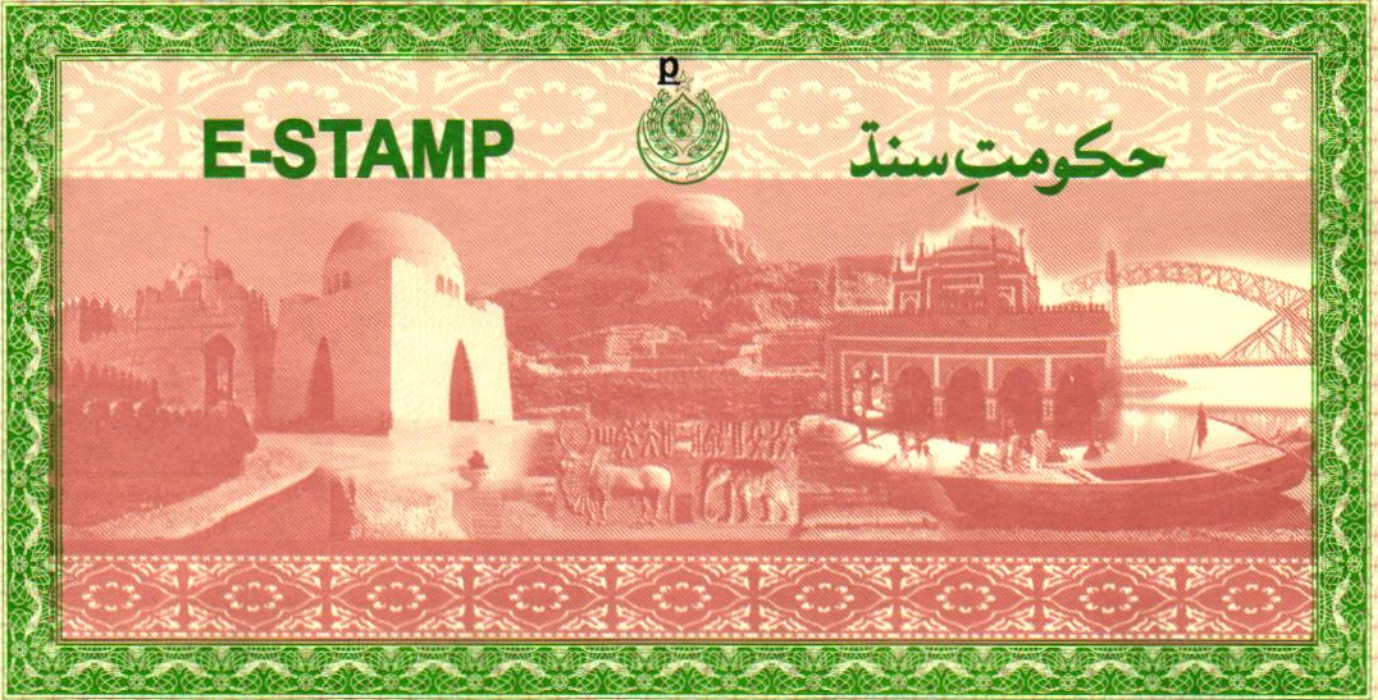
The management of Sindh Bank Limited is pleased to award the subject contract to M/s. Azam Enterprises, in accordance with terms and conditions mentioned in our tender dated 16.07.2025.

Please acknowledge.

Sincerely,

For & behalf of Sindh Bank Limited,


Arshad Abbas Soomro
Head of Administration & Security Division



BOP-0546-443443

GoS-KHI-832A462C93FCCFD4

Non-Judicial

Rs 17,934/-

Description : Contract - 15(a)
 Principal : Sindh Bank Limited [36540087]
 Contractor : Azam Enterprises [18945163]
 Applicant : Amir Arshad [42301-0973546-9]
 Stamp Duty Paid by : Azam Enterprises [18945163]
 Issue Date : 03-Sep-2025, 12:18:35 PM
 Paid Through Challan : 20257C0AF793F75D
 Amount in Words : Seventeen Thousand Nine Hundred and Thirty Four Rupees Only

Please Write Below This Line

You can verify your e-Stamp paper by scanning the QR code or online at www.estamps.gos.pk using the 'Verification Through Web' option.

**Agreement for Supply & Installation of 30 KW Solar Hybrid System
 with Lithium Batteries for Premium Banking Branch at Khalid Bin
 Waleed Road PECHS Karachi**

This Agreement is entered into at Karachi
 on this the 4 day of SEPT, 2025

BETWEEN

M/s. Azam Enterprises, partnership concern having its principal place of business at Office No: F-34/1, Block-9, Scheme -5, Kehkashan, Clifton, Karachi (hereinafter referred to as "Supplier", which expression shall be deemed to mean and include its successors-in-interest and assigns) of the First Part;

AND

SINDH BANK LIMITED, a banking company incorporated under the laws of Pakistan and having its Head office at 3rd Floor, Federation House, Abdullah Shah Ghazi Road, Clifton, Karachi-75600, Pakistan. (Hereinafter referred to as "THE BANK", which expression shall be deemed to mean and include its successors-in-interest and assigns) of the Second Part.

WHEREAS:



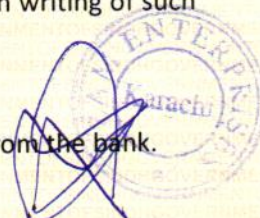
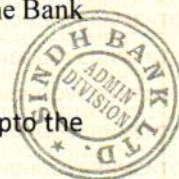
E-STAMP

"THE BANK" intends to acquire the services of "Supplier" for Supply & Installation of 30 KW Solar Hybrid System With Lithium Batteries for Premium Banking Branch at Khalid Bin Waleed Road PECHS Karachi and Supplier agrees to provide the services to the bank, as per tender opening date 31-07-2025, along with Total Price Schedule mentioned in Financial Proposal i.e. Rs.5,123,880/- (Qty 1).

The terms and conditions are as follows:

1. Terms & Conditions:

- a. All terms and conditions of the tender document will remain part of this agreement.
- b. A prior notice of 10 days will be given for the supply and installation of requisite supplies and it will be expected within 05 days, the said supplies will be made available at the site.
- c. The Supplier shall supply the said goods as per specifications of the tender within 10 days from the date of issue of Purchase Order by the Bank.
- d. A fine of Rs 500/- per day will be charged, if even after 10 days of issuance of Purchase order, the supplies are not provided, installed and made operational till the requisite is completed.
- e. In the event of the default on the part of the Supplier, in the performance of any condition of the contract/tender or delay in supply of the items even after a lapse of 10 days of the issuance of the purchase order, it shall be lawful for the Bank to forfeit the performance security and cancel the whole part of the supply order or cancel the contract. Decision of the Bank will be final and will be legal binding on the Supplier.
- f. Supplier agrees to maintain adequate inventory of the parts so that the replacement is available within 24 hours, if any fault arises in the goods supplied during the warranty period. In case the effected part is not available, then the Supplier will provide the backup of the same product/item or better till the resolution of the fault is met, without any extra cost to the Bank.
- g. The Supplier also undertakes to bear all kind of taxes i.e. Stamp duty/ Services Charges/Professional Tax / Sales Tax Invoice, Income Tax, Zila / Octroi Tax (if any) and all other incidental charges etc., up to the place of destination.
- h. The Bank reserves the right to test/check the goods to ensure that it is provided as per specification in the tender document. For any discrepancies, at the time of supply or later, the Bank reserve the right to forfeit full performance security and cancel the tender and initiate the process for blacklisting of the Supplier. The decision of the Bank shall be final and binding upon the Supplier.
- a. Delivery will be made by the Supplier at Premium Banking Branch PECHS prescribed by the Bank with satisfactory letter from concerned area manager of the bank.
- i. The cost must include all applicable taxes, installation, labour including delivery charges upto the branches of the Bank on countrywide locations.
- j. Supplier binds/undertakes that in case of any observation arising in respect of quality/performance of the goods within the warranty period, the supplier will be liable to address it at his own cost within 24 hours. Non-compliance of the same will result into initiation of a case against the company for non-commitment and forfeiting of performance security or any other action as deemed necessary.
- k. Any notice, request or consent required or permitted to be given or made pursuant to this agreement shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent to such Party at the given address.
- l. A party may change its address for notice by giving a notice to the other Party in writing of such change.
- m. The supplier will not assign the job to anyone, except prior written permission from the bank.



- n. This agreement is valid for a period of one year commencing from _____ to _____ and / or till the completion of tender items.

2. Warranty- The warranty of the goods is One year comprehensive of all parts and 5 years for lithium batteries from the date of delivery. Please also refer Point No.15 of financial proposal of tender document.

3. Payment Schedule:

- a. 100 % of the total amount for the Supply & Installation of 30 KW Solar Hybrid System with Lithium Batteries for Premium Banking Branch at Khalid Bin Waleed Road PECHS Karachi will be paid within one month of invoice submission by the supplier.
- b. If the obligation of warranty period are not met or delayed, the repair etc. requirement on this account will be carried out by the bank & the billed amount will be deducted from the performance security/ upcoming payment due to supplier. Risk & subsequent cost to this effect if any will be liability of the vendor and any subsequent expenses on the equipment will also be borne by the supplier.

4. Performance Guarantee:-

As per SPPRA Rule 39, the performance security can only be submitted in shape of Pay Order/ Demand Draft/ Bank Guarantee. If bank guarantee is to be submitted as performance security, then Annexure "I" is mandatory to be used as format for performance security 5% of the total tender amount of will be retained by the Bank as "Performance Security" and will be returned to the supplier after 90 days of supply of complete tender items, including satisfactory confirmation by the branch managers, where the items have been supplied.

5. Authorized Representative: -Any action required or permitted to be taken, and any document required or permitted to be executed under this agreement by the Bank or the Supplier may be taken or executed by the officials.

6. Termination of Agreement by the Bank:

- a. If the Supplier, in the judgment of the Bank has engaged in corrupt or fraudulent practices in competing for or in executing the Agreement.
- b. If, as the result of Force Majeure, the Supplier is unable to perform a material portion of the Services for a period of not less than thirty (30) days; and
- c. If the Bank, in its sole discretion and for any reason whatsoever, decided to terminate this Agreement.
- d. If two (2) unsatisfactory letters/warnings are issued by the Bank for unsatisfactory performance by the supplier.

7. Good Faith:-The Parties undertake to act in good faith with respect to each other's rights under this agreement and to adopt all reasonable measures to ensure the realization of the objectives of this agreement.

8. Settlement of Disputes:

- a. The Parties agree that the avoidance or early resolution of disputes is crucial for a smooth execution of the Agreement and the success of the assignment. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with the Agreement or its interpretation.
- b. If Parties fail to amicably settle any dispute arising out of or in connection with the Agreement within (10) days of commencement of such informal negotiations, the dispute shall first complaint redressal committee of the bank and if parties could not reached at amicable situation, then the matter will be referred to the grievance committee of Bank and if matter could not be resolved the matter will be referred for arbitration of two arbitrators, one to be appointed by each party, in accordance with the Arbitration Act, 1940. Venue of arbitration shall be Karachi, Pakistan and proceedings of arbitration shall be conducted in English.

8. Conflict of Interest:-The Supplier shall hold the Bank's interests paramount, without any consideration for future work, and strictly avoid conflict with other assignments or their own corporate interests.

9. Confidentiality- Except with the prior written consent of the Bank, the supplier and the Personnel shall not at any time communicate to any person or entity and confidential information acquired in the course of the Services, nor shall the supplier and the Personnel make public the recommendations formulated in the course of, or as a result of, the Services.

10. INDEMNIFICATION.

Supplier (the "Indemnifier") agrees that it shall indemnify, defend, and hold harmless the SNDB and its parent, subsidiaries, affiliates, successors, and assigns and their respective directors, officers, employees and agents (collectively, the "Indemnities") from and against any and all liabilities, claims, suits, actions, demands, settlements, losses, judgments, costs, damages and expenses (including, without limitation, reasonable attorneys', accountants' and experts' fees) arising out of or resulting from, in whole or in part: (i) any act, error or omission, whether intentional or unintentional, by the Indemnifier or its officers, directors, employees, or sub-administrators, related to or arising out of the business covered by this Agreement, or (ii) an actual or alleged breach by the Indemnifier of any of its representations, warranties or covenants contained in this Agreement (including, without limitation, any failure of Indemnifier to comply with applicable local, state, provincial or federal regulations concerning Indemnifier's performance under this Agreement).

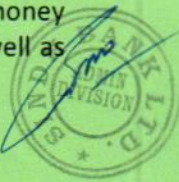
This Article shall survive termination of this Agreement.

11. ACCESS TO REGULATOR

Supplier and SNDB agree to provide State Bank of Pakistan necessary access to the documentation and accounting records in relation to the Supply & Installation of 30 KW Solar Hybrid System with Lithium Batteries for Premium Banking Branch at Khalid Bin Waleed Road PECHS Karachi and right to conduct on – site inspection, if required.

12- Anti – Money Laundering.

"Supplier acknowledge that they do not violate any statutory / prudential requirement on anti-money laundering or record keeping procedure as per existing laws / rules and regulations of locals as well as foreign jurisdiction.



Support Escalation Matrix:

For timely addressing of complaints given support escalation matrix will be utilized/followed:-

LEVEL-1	Name/Designation (support staff)	KRAV
First complain if the call is not resolved " within specified response time " (24 hours)	Landline Phone	35371621
	Email	bd13kne@zartele
	Cell	0348 46268 Samin
LEVEL-2	Name/Designation (Regional Head/Manager/GM)	CHRISTINA
Second complain, if the call is attended within " Specified Response Time ", and not attended / or the problem still unresolved even after complaining at Level-1 (48 hours)	Landline Phone	35371622
	Email	christina2@zartele
	Cell	0321-2220132 Samin
LEVEL-3	Name/Designation (CEO of the firm)	SHARAZ ARSHAD
Third complain, if the call is attended within " Specified Response Time " and not attended /or the problem still unresolved even after complaining at Level-2	Landline Phone	35371622
	Email	sharaz@zartele
	Cell	0321-2220132 Samin
Note: Ensure that no column above is left blank		

In witnesses hereunder both the parties have set their hands on the day and year above first mentioned.

Supplier Signature

Sheraz

Witness:

Name: Sheraz Arshad

Signature

Hamza

Designation: Director Sales & Marketing

Name: Hamza Sharif

Company Name: Azam Enterprises

Designation: Customer Relationship Officer

Address: F34/1 Block-9, Scheme V, Kehkashan, Clifton, Karachi

Address: F34/1, Block-9, Scheme-V, Kehkashan, Clifton, Karachi

Stamp

Customer Signature

Arshad

Signature

Atif

Name

Arshad Abbas Soomro

Name

Atif

Designation

Head of Administration

Designation

De. Incharge Branch

Company Name Sindh Bank Limited

Company Name Sindh Bank Limited

Address Federation House, Sindh Bank Ltd. Head Office Karachi

Address Federation House, Sindh Bank Ltd. Head Office, Karachi

Stamp



3. SECTION –III TECHNICAL SPECIFICATIONS/SCOPE OF WORK

Sindh Bank Limited (SNDB) requires proposal from the suppliers for SYSTEM & INSTALLATION OF 30 KW SOLAR HYBRID PV SYSTEM WITH LITHIUM BATTERIES on Sindh Bank Ltd Premium Banking Branch at 88/A/2 Khalid Bin Waleed Road PECHS, near Allied Bank/Japan Motors.

The required Solar PV System comprises of the following components / specification:

SR. #	DESCRIPTION	QTY
1	32,760KW Solar Panel 585 watt each (N Type) Tier-1 Canadian / Longi / Jinko / JA / Trina or equivalent with 25-years warranty of Voltage & Amps	56
2	15.0 KVA Hybrid Solar Inverter 3PHASE Ip65 / Ip66 Imported Solar Inverters with Company's provided 5 year warranty	2
3	Elevated Solar Panel Mounting Structure TR Gardar Iron and with pip 4" Galvanized material of 14 gauge Base plate Th: 8mm Column Th: 8mm Rafter Th: 6mm Support Th: 6mm Purlin Th: 3mm Pv Module Value Number 56 – Unit kg 38 Reference 585w Degree Adjustment / 15 Wind Rating / 160MPH Type / Seasonal Solar Minimum sport 50 KW The manual tilting feature allows for easy adjustment of the solar panel's angle to achieve optimal sunlight exposure depending on the season. This adjustability is particularly beneficial for areas where sunlight intensity changes dramatically between seasons, such as regions with significant variations in sun angle. The ability to manually tilt the panels ensures that they are positioned at the best angle for capturing solar energy during both winter and summer months, leading to improved overall energy efficiency and higher energy yields. Crafted using durable materials like Galvanized Iron (GI), Aluminium, and Stainless Steel , our seasonal structures with manual tilting offer unmatched strength and corrosion resistance, making them suitable for diverse environmental conditions. These materials ensure long-lasting performance and reliability, even in harsh weather conditions such as high winds, heavy rains, and extreme temperatures. The robust construction of these structures guarantees that your solar panels will remain securely mounted and stable, regardless of seasonal changes or weather conditions.	56

4	DC Cable 8mm Copper Heat Proof Imported flexible for panel wiring up to Inverter	3
5	AC Cable (as per Installation Accessories) Pakistan cable or equivalent Import flexible from Inverter to Main DB box	1
6	Battery - Lithium ion 51V 100Ah 5year warranty 200 AMPERE 10KW PER hour Batteries	4
7	Cable Duct, Net Bolt Etc. PVC cable duct for wiring of solar panels & Rawal / net bolts for stand & panel fitting	1
8	DB Box / Breaker Etc. (Chint, Mora, Schneider or equivalent) one year warranty AC & DC imported breaker for controlling of loads	1
9	Earthing AC/DC 30-50 ft (10 mm Copper) Copper robe wire and surge arrester	1
11	Installation Charges With experience Technician & Engineers	1
12	Transportation + Loading (Actual to be Charged)	1