

TENDER SPECIFICATION – SUPPLY & INSTALLATION OF RECTIFIER, ONLINE UPS AND OTHER NECESSARY ACCESSORIES

1. **Name of the Item/ Equipment with quantity.** as follows:

The name and quantity of required items are

Ser	Name of PABX	Description of items	Quantity
1.	ISSA KHAN	Redundant power supply Rectifier/Charger with accessories	01 no
2.		Battery	16 no
3.		6 KVA Online UPS with accessories	01 no
4.		Battery	08 no
5.		Battery rack	01 no
6.	LOVE LANE	Rectifier/ Charger with accessories (Without battery, 04 in no 12v, 100Ah seal type battery will provided by user)	01 no
7.		Balun	02 no
8.		Tx/Rx Cable with BNC connector	02 no
9.		LC-FC Patch cord (10 mtr + 5 mtr)	12 no

2. **Purpose.** To convert AC supply to DC supply and at the same time provide backup electric supply of BNS ISSA KHAN & Love Lane PABX and to connect E-1 connection at Love Lane PABX.

3. **Country of Origin.** As per technical specification.

4. **Country of Manufacture.** As per technical specification.

5. **Type/ Model/ Brand.** As per technical specification.

6. **Year of Manufacture.** 2023 or later.

7. **Qualification of Bidders.** Bidder must have following qualifications:

a. Enlisted in NSSD Dhaka, Namapara, Khilkhet, Dhaka-1229.

b. Bidders should have sufficient knowledge on PABX system with at least 05 (five) years business experience and permanent infrastructure in selling and maintaining of PABX system and related products. Relevant documents are to be submitted with the offer.

c. Own valid trade license with experience in network setup and maintenance. Work experience with any of the Bangladesh government entity or defense level is mandatory.

8. **Source of supply.** To be mentioned.

9. **Ports of shipment.** To be mentioned.

10. **Scope of supply.** The equipments are to be supplied fulfilling the technical specifications and complete in all respect with all required standard accessories and attachment which are required to obtain 100% performance whether it is mentioned in the specification or not.

11. **Technical specification.**

a. **Redundant power supply Rectifier/Charger with accessories.**

Ser	Features	Specification
1.	Name of item	Redundant power supply Rectifier/Charger with accessories
2.	Capacity	15 KW
3.	Redundancy	N+1
4.	Brand	To be mentioned
5.	Model	To be mentioned
6.	Country of Origin	USA, Canada, Japan, Australia, UK, Korea and any EU country
7.	Country of Manufacturer	To be mentioned
8.	Frequency	45-70Hz
9.	Output Voltage	45-55V DC
10.	Input Voltage	170-270V AC
11.	Year of manufacture	2023 or later (To be mentioned)
12.	Bidder will provide following items with rectifier	
	63/70 Amp double pole backer	01 no
	6RM electric cable	20 mtr
	25RM battery cable	10 mtr



10RM earthing cable	4 mtr
Battery loop cable	6 mtr
25 RM Cable socket	34 no

b. **Battery**

Ser	Features	Specification
1.	Name of item	Battery
2.	Type	External Seal
3.	Quantity	For rectifier -16 no & for UPS- 08 no.
4.	Brand	To be mentioned
5.	Model	To be mentioned
6.	Country of Origin	To be mentioned
7.	Country of Manufacturer	To be mentioned
8.	Voltage	12v
9.	Ampere	120Ah
10.	Year of manufacture	2023 or later (To be mentioned)

c. **6 KVA Online UPS with accessories**

Ser	Features	Specification
1.	Name of item	6 KVA Online UPS with accessories
2.	Output	6KVA
3.	Brand	To be mentioned
4.	Model	To be mentioned
5.	Voltage	Wide Input (115 – 240V AC)
6.	Mode	Off-Mode Charging
7.	Function	Cold Start Function
8.	Backup Time	To be mentioned
9.	Battery	Dry cell
10.	Year of manufacture	2023 or later (To be mentioned)

d. **Rectifier/Charger with accessories**

Ser	Features	Specification
1.	Name of item	Rectifier/Charger with accessories
2.	Capacity	3 KW
3.	Redundancy	N+1
4.	Brand	To be mentioned
5.	Model	To be mentioned
6.	Country of Origin	USA, Canada, Japan, Australia, UK, Korea and any EU country
7.	Country of Manufacturer	To be mentioned
8.	Frequency	45-70Hz
9.	Output Voltage	45-48V DC
10.	Input Voltage	150-230V AC
11.	Year of manufacture	2023 or later (To be mentioned)
12.	Bidder will provide following items with rectifier	
	32 Amp Double pole breaker	01 no
	Multi plug (5 point each)	03 no
	Battery loop cable	4 mtr
	25RM Cable socket	18 no

12. **Installation, Test, Trial and Acceptance**

a. The supplier will install all items mentioned in clause-1 and carry out functional test/ trial in presence of user's representative. During the installation, test and trials supplier will provide additional materials required for full functioning of the respective PABX if otherwise not mentioned in this contract at free of cost.

b. If any supplied equipment is found defective during installation, test and trial, those are to be replaced immediately by new one by the supplier at free of cost.

c. Upon completion of the test and trials, a satisfactory performance certificate (If all supplied equipment found functional) will be issued to CINS by the mentioned user's (BNS ISSA KHAN & Love Lane). CINS will issue Final Acceptance Certificate.

13. **Warranty.**

a. Warranty for 01 (One) year or manufacturer standard whichever is higher by the principal/ manufacturer for trouble free operation of supplied items wef the date of final acceptance by BN is to be given by the principal/ manufacturer/ Supplier.

b. During the warranty period, if any component of the supplied items becomes defective the warranty (For defective component) shall be extended automatically for the period of subject component remains defective. Moreover incase of any defective items or component if the whole system become defective or non-operational then the overall system warranty shall be extended automatically for the period of subject component remain defective.

c. For warranty repair/ replacement, the supplier will collect the defective item from respective PABX and re-supply the same to collecting place after warranty repair or for replacement as early as possible.

14. **Delivery time.** Within 30 (Thirty) day's after issuance of the purchase order by BN.

15. **Validity of Offer.** Offer should remain valid up to 30 June 2024.


16. **Terms of Payment.** 100% payment will be made in Taka after final acceptance given by CINS.

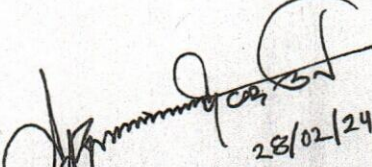
17. **Compliance Statement.** A compliance statement fulfilling all the requirement of the tender is to be submitted for evaluation of the quotations. Stating mere 'Yes' or 'No' will not suffice and detailed description/information as required is to be given. An incomplete compliance statement may attribute to cancellation of the offer. If any clause of this specification does not commensurate with offered item, the deviation has to be spelt out clearly.

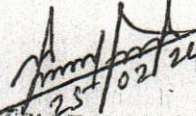
18. **Price Quotation.** Bidder shall quote unit price for each item mentioned in Para 1 as well as total price in local currency (Taka). Price shall include all Govt VAT/ Taxes and dues as applicable.

19. **Documents.** Brochure/ Catalogue of original manufacturer company of the offered items are to be submitted with the offer.

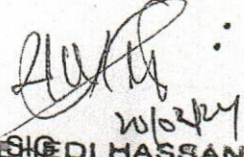
20. **Consignee.** Officer In-Charge, NSD Chattogram, New Mooring, Chattogram.

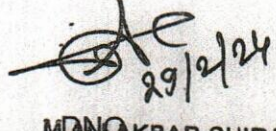

M M ASIF
Lt Col
Member Secy
Staff Office-2
Directorate of Signals
Naval Headquarters
Date



M AREFIN IBNE NAZIM
Lt Col
Rep of DNW&EE
Member
Staff Officer (Electrical)
Directorate of Naval Weapons
and Electrical Engineering
BNH, Banani, Dhaka-1213
Date 28/02/24


IMTIAZ GALIB
Lt Commander BN
Rep of DNE
Member
Staff Officer (Fair)
Directorate of Naval Engineering
Naval Headquarters
Banani, Dhaka-1213
Date 25/02/24


M SARWAR HABIB
Lt Commander BN
Rep of DNS
Member
Staff Officer (NS-2)
Naval Headquarters
Banani, Dhaka-1213
Date


MD SIDDI HASSAN
Lt Col
Member BN
Director of Signals
Naval Headquarters
Date 20/02/24


MD AKBAR SHIRAZI
Lt Col
Commander BN
Director of Naval Operations
Naval Headquarters
Banani, Dhaka-1213
Date 29/2/24


A K MAFZAL HOSSAIN
Lt Col
President BN
Director of Naval Plans
Naval Headquarters
Banani, Dhaka-1213
Date 20/2