

SAMEER Kolkata Centre
Plot-L2, Block-GP, Sec-V, Salt Lake Electronics Complex, Kolkata-700091

NOTICE INVITING TENDER
(RETENDER)

Date : 24th May, 2022

SAMEER invites **sealed quotations** from UPS manufacturer (OEM) / authorized dealer / Authorized distributors in two parts (**Technical & Price**) for supply and installation of **15 KVA Uninterrupted Power Supply (UPS) and Isolation Transformer** at SAMEER Kolkata Centre subject to the terms and conditions set out in tender document. Tender document can be downloaded from SAMEER's website-"Kolkata.sameer.gov.in" or Central Public Procurement Portal (CPPP) as per the following schedule:

- Tender Ref No. SMR(K)/450/12963/UPS/SS/22 dated 4th April, 2022
- Date of sale / downloading of tender document : 24th May, 2022
- Last date for submission bid : 3rd June, 2022 upto 5.30 PM (IST).

Both bids (Technical and Price Bid) should be furnished as per tender as per above schedule. Tender committee constituted for this tender will evaluate the technical bid and Price bid of the technically eligible suppliers will be opened. Decision of the SAMEER regarding selection of eligible and qualified vendors/firms and or equipment in particular for opening the Financial Bid shall be final and binding on the bidders.


Vivek Kumar Singh
Head, A & AO
email : purchase@mmw.sameer.gov.in



**Society for Applied Microwave Electronics Engineering & Research
(SAMEER) -Kolkata Centre**

(R &D Laboratory of Ministry of Electronics & Information Technology, Govt. of India)



ELECTRONICS INDIA
Billion Needs Million Chips

TENDER DOCUMENT

ON

SUPPLY, INSTALLATION AND COMMISSIONING OF

**“15 KVA Uninterrupted Power Supply (UPS) system
and Isolation Transformer (without Battery Bank)”**

- Tender Ref No. SMR(K)/450/12963/UPS/SS/22 dated 4th April, 2022
- Date of sale / downloading of tender document : 24th May, 2022
- Last date for submission bid : 3rd June, 2022 upto 5.30 PM (IST).

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Plot- L2, Block -GP, Sector-V, Salt Lake Electronics Complex, Kolkata-700091, INDIA / Ph Nos.:
+91-33-2357-2850/4875/4894, Fax: +91-33-2357-4950, Email: purchase@mmw.sameer.gov.in

GENERAL INFORMATION:

- Quotation should be submitted in **Two parts i.e Technical Bid and Price Bid**. Details of Technical and price bid are given **as ANNEXURE-A & ANNEXURE-B**. Both bids should be submitted in two separate sealed covers, superscribed as **“Technical Bid” & “Price Bid”**. Both sealed covers should be put in a single envelope and our Tender Reference No. should be clearly mentioned on the envelope.
- **Performance security** should be submitted by the successful bidder as per instruction given in the tender. If the tender is not submitted as per tender document, tender will not be considered.
- Bid should be submitted to the following address :
 - “The Head A &AO,
 - SAMEER Kolkata,
 - Plot-L2, Block-GP, Sec-V, Salt Lake Electronics Complex
 - Kolkata-700091”

TERMS & CONDITIONS

Tender Ref No.: SMR(K)/450/12963/UPS/SS/22

The procurement The following terms and conditions will be governed

1. **The validity of quotation** should be at least 90 days from the tender due date.
2. **Payment Terms:** *Through NEFT/RTGS within 30 working days after statutory deduction from Bill/Tax Invoice as below:*
 - a. 90% of the order value after delivery, successful installation and commissioning of the system with Warranty Certificate.
 - b. *Balance 10% on submission of performance security and Test report.*
3. **Delivery schedule** : Time is essence for this tender. Delivery should be made within **30 working** days from the date of acknowledgment of the order. Delivery schedule should be maintained strictly otherwise **penalty** will be imposed @ 1.0% of the order value for every week subject to a maximum compensation of 10% of the contract value after which period, action will be taken by the SAMEER as will deem fit.
4. SAMEER may extend the time of delivery of the ordered items at their discretion on the application of the successful bidder for such purpose provided that consideration by SAMEER for the reasons of such extension is sufficient and acceptable.
5. **Warranty : Total warranty period should be 3 years including standard warranty from the date of successful installation and commissioning.**
6. **Performance Security** : Performance security of **3% of order value** against performance warranty should be submitted in the form of Performance Bank Guarantee(PBG) which should remain valid for a period of sixty days beyond the warranty period of 3 (three) years and also note that no interest should be borne by SAMEER for performance security. PBG will be forfeited for violation of any contractual obligation of the Purchase Order.
7. Price must be quoted in INR.
8. SAMEER reserves the right to accept or reject any or all tenders in full or part without assigning any reason whatsoever.
9. SAMEER shall also not be bound to accept merely the lowest tender but the technical suitability, capability and superiority of the equipment/system as well as after sales service including infrastructure to render such service etc. shall be of prime consideration for selection of the equipment/system. Supporting document as per Enclosure-I will also play important role in consideration of bidders for technical qualification.
10. The contents in Technical Bid and Price bid will be a part and parcel of the Purchase Order to be placed on successful bidder after finalization of the tender.
11. **Warranty Repair** : Please note that the period for which the equipment will remain defective will not be counted towards the warranty period. The specified warranty period will automatically get extended by the period for which the equipment remained defective. For this purpose, duration of the period of

defect will be counted from the date on which a written complaint has been made to the date of delivery at SAMEER after repair/ servicing.

12. In case of repair and service required to be carried out outside installation location during warranty period, all expenditure including freight, insurance, clearing, duties etc for pick up and restore to SAMEER shall be borne by the supplier.
13. **No further negotiation will be carried out after opening the Price Bid. Hence the bidders should quote the price to be more competitive.**
14. Variation in SAMEER tender terms will not be acceptable.
15. Vendors are required to attach a list of other major Govt. organizations of installations of similar equipment in India.
16. Proper law of contract (PLC) will be the relevant Indian laws subject to Kolkata Jurisdiction.
17. Quotation received by E mail, Fax will not be considered.
18. SAMEER is not responsible for non-receipt of Bid due to postal delay, loss in transit etc.
19. SAMEER reserves the right to accept or reject any or all tenders in full or part without assigning any reason whatsoever. SAMEER shall also not be bound to accept merely the lowest tender but the technical suitability, capability and superiority of the equipment as well as after sales service including infrastructure to render such service etc. shall be of prime consideration for selection of the tender equipment.
20. **Error in calculation :** i) If any calculation error found in "Total Column of the Price Bid, SAMEER will verify and rectify the same to arrive correct figure of Grand Total. The rectified figure in Grand Total will be bound by the bidder.
ii) If any variation found between Grand Total in Figure and in Word, then word in total will be considered and the same will be bound by the bidder.

Note : Equipment/System referred in this tender as " 15 KVA UPS system with Isolation Transfer"

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ANNEXURE-A

TECHNICAL BID

Tender Ref No. : *SMR(K)/450/12963/UPS/SS/22*

Technical Bid contains the following :

- Enclosure-I and Enclosure-II to be submitted with duly sealed and signed on each page with necessary supporting document as asked for
- Copy of Terms and Conditions to be submitted with duly sealed and signed on each page as a token of acceptance.
- Declaration
- Masking of the price bid (Copy of Price bid without price, only the item you are going to quote should be mentioned as “Quoted” in place of Price) should be submitted.

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ENCLOSURE-I

Tender Ref No. : SMR(K)/450/12963/UPS/SS/22

ALL PARTICULARS / INFORMATION SHOULD BE GIVEN IN THE FOLLOWING FORMAT WITH COMPLETE DETAILS WHICH WILL BE CONSIDERED DURING EVALUATION OF TECHNICAL BID FOR SELECTION OF QUALIFIED BIDDERS ALONG WITH TECHNICAL SUITABILITY AS PER ENCLOSURE-II

Sl. NO.	Information required	Corresponding information to be provided by supplier alongwith supporting signed document to be enclosed wherever applicable.
1	Name &Address of the Firm/Bidder with Telephone Number Name of contact person with phone and email ID	
2	<i>Suppliers must have service facility in India and location in Eastern Region of India is preferable, please mention the location address with phone, fax , email etc.</i>	
3	Back ground details of the firm (State whether original manufacturer/direct dealer of the manufacturer / Distributor) In case of direct dealers/distributor, please submit copy of valid dealership license /authorized license issued by the manufacturer (OEM).	
4	Past experience in such business for last 5 years or more giving details of established clients especially Government offices. Relevant document should be submitted in support of the same.	
8	Mention GST Registration Number and attach current valid GST Registration Certificate. :	
9	<i>Whether agreed to supply and install tendered items positively by 35 days and failing which ready to absorb penalty /or ready to accept cancellation of the order, if any order is placed on the bidder after observing due tendering procedure</i>	

I/We hereby declare that the above statements are true. I/We also declare that the decision of SAMEER regarding selection of eligible firms for opening of Price Bid shall be final and binding on me/us.

Signature with date of the authorized person
Official Seal

ENCLOSURE-II

Tender No. : *SMR(K)/450/12963/UPS/SS/22*

TECHNICAL COMPLIANCE TABLE

A. Technical Specifications of 15 KVA Uninterrupted Power Supply (UPS) system and isolation transformer:

	<i>Specifications required by SAMEER</i>		<i>Specifications provided by Vendor</i>	<i>Ramarks, by Vendor , if any</i>
<i>Sl. NO.</i>	<i>Particulars</i>	<i>Specifications Required</i>	<i>(To be filled up by Vendor against each parameter</i>	
1	OUTPUT			
1.1	Capacity	15 KVA at unity p.f		
1.2	Configuration	3Phase, 4 Wire (Y)		
1.3	Voltage	400V (L to L)		
1.4	Regulation	3%		
1.5	Frequency	50Hz ± 2Hz		
1.6	Ability to function with Load PF	0.7 minimum		
1.7	Ability to function with Load crest factor	3:1 maximum		
1.8	Transfer time	Within 20ms		
1.9	Total harmonic Distortion(THD) in voltage	≤ 3% for linear load		
		≤ 5% for non-linear load		
1.10	Full load current	21.65 Amp. at unity pf		
1.11	Overload capacity	125% for 10 minutes		
1.12	Voltage Wave Form	Sine wave with the THD specified		
1.13	Transient Regulation	5% for 100% step load change		
2.	INPUT			
2.1	Configuration	3Phase, 4 Wire (Y)		
2.2	Voltage	400V(L to L)		
2.3	Voltage Range	±10%		
2.4	Frequency	50 Hz ±2Hz		
2.5	Power Factor(pf) at 50Hz	0.9		
3.	UPS BATTERY			
3.1	Type	Sealed Lead-acid, Maintenance free		
3.2	Back Up time	One hour		
3.3	Number of Batteries	32 Nos, 12V, 75Ah Batteries. (Not Required) N.B: We have existing 32 nos. of batteries, Quanta make		
3.4	Diagnostic	Periodic automatic test		

4	OVERALL SYSTEM			
4.1	Architecture	Fault-tolerant, double Conversion, On-Line, Modular.		
4.2	Bypass	Automatic Operation		
4.3	Efficiency	≥ 90% on full load		
4.4	Operation	Fully automatic or Manual operation		
4.5	Front Panel Display	High Intensity LCD panel		
4.6	Display Parameters	Input voltage, Output voltage, Battery on Charge, battery Low, Battery Voltage, Inverter ON, Load (%), Input Frequency, Output Frequency		
4.7	Alarm	Low Battery, Over load, Mains failure. Must be given both in audio and visual mode.		
4.8	Communication	RS-232 bi-directional communication port and solid state signaling, Internal SNMP/WEB Card for monitoring and control on a network or the internet		
5	CONFORMITY TO STANDARDS			
5.1	Safety	EN50091-1-1		
5.2	Electromagnetic Compatibility (EMC)			
	Emission	CISPR 11:2015, Class A, Gr.-1 IEC61000-3-2:2011		
	Immunity	IEC61000-3-12:2011, IEC61000-4-2:2008, IEC 61000-4-4:2012, IEC 61000-4-5:2014, IEC 61000-4-11:2017. Severity level is 4 for all tests.		
6	ENVIRONMENTAL			
6.1	Audible Noise	< 70dBA		
6.2	Operating Temperature	0° to 45°c		
6.3	Relative Humidity	5% – 95% non-condensing		
7	General			
7.1	Warranty(to be mentioned clearly)	Total THREE YEARS (standard + extended warranty)		
7.2	Power Cord	1.10sq.mm, PVC insulated Un-armoured 4 cores, copper cable with copper lugs for all necessary connection between mains MCB, UPS, Isolation transformer and Load MCB. 2. Single core (Nyvin) DC cable with copper lugs of suitable size between Battery bank, DC		

		MCCB and UPS.		
7.3	DC MCCB with metal enclosure	DC MCCB with metal enclosure for Battery bank as per actual requirement.		
7.4	Battery housing	Steel rack with ventilation for optimum thermal management (For housing of 32Nos 75Ah Quanta Make Batteries)		
7.5	Operational Manual	Printed Operational Manual		
7.6	Test Report			
	For Safety, EMC, and Environmental.	Test Report must be for a sample of same design and similar capacity. Report must be from an NABL or Similar accredited test laboratory having scope of accreditation for Safety, EMC and Environmental tests.		
	For all Functional Parameters	Report of the UPS to be supplied from an accredited laboratory		
8	Service Facility	Good service facility should be available in Kolkata		
9	Catalogue	Catalogue /Technical brochures for the basic machines to be submitted.		

• **B. TECHNICAL SPECIFICATION OF ISOLATION TRANSFORMER**

Sl. NO.	Particulars	Specifications Required	Whether complied (Yes / No) (To be filled up by the vendor)	Ramarks, by the vendor , if any
1	Capacity	15KVA		
2	No. of phases	Three phase		
3	Input Voltage	400 V (L to L) [3Phase, 3 Wire (Delta)]		
4	Output Voltage	400 V (L to L) [3Phase, 4 Wire (Y)]		
5	Line frequency	50Hz ± 3%		
6	Transformer Ratio	1:1		
7	Line Regulation	≤0.5%		
8	Load Regulation± 3%	± 3%		
9	DC Isolation	1000M Ohms		
10	HT Breaking Voltage	2.5kV, AC RMS for 60sec		
11	Class of Insulation	B		

12	CMRR	>30dB		
13	Magnetic field shielding	>15dB		
14	Cooling provision	Proper cooling arrangement with Fan		
15	Isolation Transformer will be supplied as separate unit (shall not be in-built with UPS)			

C. Test Report:

Sl. NO.	Required Test Report	Whether complied (Yes/ No) -To be filled up the vendor	Ramarks, if any
1	Copy of the safety and EMI / EMC test report.		
2	Test report for Functional parameters.		
3	Accreditation of test laboratory must be granted either by NABL or similar accreditation body.		

Important information:

i. Copy of Safety and EMC test report must be given along with the quotation. Without EMC test report quotation will be rejected. Selected vendor will have to submit test report for Functional Parameters along with the UPS. Without functional parameter test report UPS will not be accepted. **Accreditation of test laboratory must be granted either by NABL or similar accreditation body.**

ii. Variation in specification(s), If any, may be indicated in remarks column. Decision of SAMEER regarding acceptability of deviation in specs is final and to be bound by the bidder.

iii. You are requested to submit a **Full Technical Documents** giving all relevant information in support of above technical compliance table.

For any Technical Clarification, please contact our Engineer Shri Sourav Sarkar (email: sarkar.sourav@mmw.sameer.gov.in / and copy to purchase@mmw.sameer.gov.in/ Ph: 033-2357-4875 Extn (207)

**Signature with date of the authorized person
Official Seal**

PRICE BID
(should be submitted in Company`s letter head)

ANNEXURE-B

Tender No. : SMR(K)/450/12963/UPS/SS/22

Price must be quoted in INR as per below format.

Taxes & Duties : Percentage of duties and taxes involved should be clearly indicated in Price Bid, failing which, any claim on account of the same will not be admissible. We are NOT eligible for concessional Tax against "GST" hence full applicable tax may be indicated. SAMEER is registered with DSIR under the notification No. 51/96 -Customs and 10/97–Central Excise for exemption of Custom Duty and GST exemption certificate

Sl. NO.	Particulars	Qty	Total (in INR)
1.1	Cost for Supply, installation and commissioning of 15KVA Uninterrupted Power Supply (UPS) as per specifications mentioned in Enclosure-II	1	
1.2	Cost for Supply, installation and commissioning of Isolation Transformer as per specifications mentioned in Enclosure-II	1	
2	Add : Freight, Insurance & packing charges as applicable		
3	Add : Any other charges, if any		
4	Add : Charges of extended Warranty, if any		
	TOTAL		
5	Less : Discount, if any		
	SUB-TOTAL after discount (SAMEER, FOR)		
6	Add : a) GST @5% on concessional GST (certificate will be submitted by SAMEER) b) Other rates and taxes , if any (To be specified clearly)		
7	GRAND TOTAL (Including all)		
Total (in word)			

Signature with date of the authorized person
Official Seal

(should be provided in the Company`s letter head)

Tender No. : SMR(K)/450/12963/UPS/SS/22

DECLARATION

We do hereby accept the “Terms & Conditions” as provided by SAMEER along with the Tender documents for supply, installation and commissioning of 15KVA UPS with all standard accessories and also under take to supply the said UPS within the scheduled delivery period strictly as per Technical Specifications as provided along with the tender documents, in the event of placement of any order on us. The SAMEER shall be at liberty to cancel the order in full or part, in the event of failure of the above declaration made by us.

Signature with date of the authorized person
Official Seal