

ब्रिक-राष्ट्रीय जैव-चिकित्सा जिनोमिक्स संस्थान
BRIC-National Institute of Biomedical Genomics

निविदा आमंत्रण सूचना / Notice Inviting Tender
(Two Bid System)

ब्रिक-एनआईबीएमजी-कल्याणी के मुख्य भवन के अंदर 2X30 केवीए ऑनलाइन डबल रूपांतरण यूपीएस की
आपूर्ति और स्थापना और कमीशनिंग के लिए
For supply and installation and commissioning of **2X30 KVA Online Double conversion UPS** inside
the main building of BRIC-NIBMG-Kalyani

निविदा संख्या/ Tender No. NIBMG/UPS/2024-25/015

दिनांक/Date : 30-08-2024

Brief Description / Nature of Work: For supply and installation of 2X30 KVA Online Double conversion UPS inside the BRIC-NIBMG main Building.

Estimated Cost of the project : (Inclusive all)

Important Dates:

बोली लगाने का चरण/Bidding step	दिनांक / Date
प्रकाशित तिथि / Published Date	30-08-2024 [06:00 PM]
बोली दस्तावेज़ डाउनलोड करें / Bid Document Download	31-08-2024 [09:00 AM]
स्पष्टीकरण आरंभ तिथि / Clarification Start Date	31-08-2024 [09:00 AM]
स्पष्टीकरण समाप्ति तिथि/ Clarification End Date	15-09-2024 [04:00 PM]
बोली जमा करने की तिथि / Bid Submission Start Date	31-08-2024 [09:00 AM]
बोली जमा करने की अंतिम तिथि/ Bid Submission End Date	20-09-2024 [04:00 PM]
बोली खोलने की तिथि / Bid Opening Date	21-09-2024 [04:30 PM]

Part – I

Overall Bidding Scope and Instruction

A. PROJECT COMPONENTS

1. UPS and batteries (as per specifications)
2. Installation of the equipment
3. Providing of internal essential electrical connections and fittings
4. Commissioning and validation

B. INSTRUCTIONS TO BIDDERS:

Participation :

Only Direct participation of aforementioned OEMs is allowed. Authorized vendor/ Joint venture / partnership / subsidiary firm of the above are NOT eligible to participate.

S/N	Name of the Item(s)/ Equipment/Goods	Estimated Cost (₹) [Including GST]	Completion time in Months / days	Earnest Money (Rs.)
1	2X30 KVA Online Double conversion UPS with 15 min battery backup 3 year Comprehensive warranty with battery change at the end of 2 nd year	Rs. 19.00 Lakh	60 Days	INR 38,000.00

C. GUIDELINES FOR ONLINE BID SUBMISSION: -

The tender form/bid documents can be downloaded from the E-tender Portal (URL: <https://eprocure.gov.in/eprocure/app>)

The process of evaluation will be done through a Two Bid System. Both the Technical Bid and the Price bid must be submitted simultaneously.

Not following the above process will render the bid as unresponsive and result in disqualification of the bid and the EMD may be forfeited under the said circumstances.

Manual/Offline bid **shall not be accepted** under any circumstances.

Any Amendment/Corrigendum for this tender document will be hosted in NIBMG Website (www.nibmg.ac.in) and in the E-tender Portal <https://eprocure.gov.in/eprocure/app> only and no separate Press Notification will be issued. Bidders are advised to visit our website regularly to know such details.

In the event of the date specified for bid opening being declared as a closed holiday for NIBMG the due date for opening of bids will be the following working day / or based on the revised date as per notification,

Interested Bidders may visit site on any working day between 10:00 am to 04:00 pm on or before the bid closing date.

Address for communication:

To

The Director

National Institute of Biomedical Genomics

PO N S S,

Kalyani

West Bengal

India, PIN 741251

Email: director@nibmg.ac.in

Standard Financial Eligibility Criteria of the procurement.

1. Earnest Money Deposit : at least 2% of the Estimated Cost.

Earnest money to be deposited by e- transfer directly to the Institute Account No- 0579050053288, AC/ Name: NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS, Bank: Punjab National Bank, Branch: Kalyani, IFS Code: PUNB0057920, proof of transaction advice should be enclosed in technical bid. Failure to deposit Earnest Money will lead to rejection of tender.

(Note: As per Rule 170 of GFR “Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organisation.” are exempt from submission of EMD (Bid security). Bidders claiming exemption of EMD under this rule (170 of GFR) are however required to submit a signed Bid Securing Declaration accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of 3 years from being eligible to submit Bids for tenders with National Institute of Biomedical Genomics.)

2. Financial Capability

Bidder shall furnish documentary evidence to show his current Financial Capability as per the following criteria.

- a) Financial Viability

- The average coefficient of Current ratio (Current Assets / Current Liabilities): Greater than 1
- The average coefficient of Debt ratio (Total Debt / Total Assets): Less than 50%

- b) Turnover:

- In case of tenderer. Minimum average annual turnover of at least 50% of the advertised value of the tender of related work in the last 5 years.
- In case of OEM. Minimum average annual turnover of at least 400% of the advertised value of the tender in the last 5 years.

- c) Financial Liquidity:

- Access to Funds: Bidder should have access to or has available liquid assets, lines of credit and other financial means, other than any contractual advance payments, to meet 3 months' cash flow of the estimated bid value net of applicant's commitments in this period for other contracts.
- The net worth: The Net Worth of Bidder firm (or principal of authorised representative) should not be negative on 'The Relevant Date' and should not have eroded by more than 30% in the last 3 years.

(The audited balance sheet and/or banking reference certified by a chartered accountant with stamp, signature and UDIN number shall be submitted by Bidder along with the bid. Banking reference (from a Scheduled Bank in India, and it should not be more than 3 months old as on date of bid submission)

3. Performance Bank Guarantee / Security Deposit.

- Performance Bank Guarantee amounting to 5% (Five percent) of the Contract value is to be submitted within 10 (Ten) days in terms of Bank Guarantee from the issue of the Work order and will remain valid up to Warranty/Defect Liability Period plus 60 (Sixty) days of the assigned work. [Sample form of Bank Guarantee attached]
- Security Deposit: Security Deposit will be deducted @ 5% (five percent) of the Bill value from each bill and the same will be released after satisfactory completion of Defect Liability Period (DLP) after observing all the requisite formalities.

4. Liquidated damages

Any wilful delay on the part of the 'Contractor/Bidder' in completing the works/supply within the stipulated period will render him liable to pay liquidated damages for each week of delay or part thereof until actual delivery or performance, but not as a penalty, a sum equivalent to at 0.5 % per week of the contract value" and LD maximum amount 10% of contract value as per GFR. LD will be deducted from payments due to him.

5. Payment Terms

- 100 % Payment will be made after successfully Installation, Commissioning of the Works/Items.
- No Advance Payment Will Be Made.

The changes, if any, made in the Tender Document would be treated as amendment to the Tender Document and the same would be hosted on E-tender Portal (URL: <https://eprocure.gov.in/eprocure/app>) and NIBMG website (www.nibmg.ac.in) as Corrigendum to enable all the bidders to take note of the amendments. Specifications & terms and conditions finalized would not be changed further and would be basis of evaluation and consequently there shall be no occasion for revision of technical or price bid.

If the above stated opening or closing date(s) happens to be weekends/Govt. holiday(s)/BANDH for the purchaser(NIBMG), the submission/opening of the tender will be on the next working day as per

the time scheduled.

Bid for the work shall remain valid for a period of 90 days after the deadline date specified for submission.

All queries sent to the bidders need to be answered within a 48 hour window from the receipt of the email.

WORK SCHEDULE: - The supply, installation, commissioning, certification and demonstration shall be completed at our site within **60 days** from the date of issue of Purchase Order.

Part -A Technical Bid

- Specifications provided below [As per PART-II]
- Technical Unpriced Bid Compliance Sheet project
- Service Support Details Form
- Warranty Compliance Undertaking [Annexure-E]
- Bidders Undertaking to provide necessary warranty and real-time support
- List of Employee/ Technical staff undertaking.
- Deviations, if any, should be indicated in a separate column
- EMD / BID Security as mentioned in the Tender.
- Undertaking to submit Performance Bank Guarantee
- Fall Clause Undertaking / Delisting Declaration [Annexure-C]
- Declaration- General [Format Annexure-B]
- Financial Statement [Balance sheet and P & L] of the Manufacturer/Bidder for the last three financial years [Annexure-D]
- Copy of valid trade license.
- Copy of GST registration certificate.
- Copy of PAN of the firm.
- ITR for last 3 years along -with audited accounts / Certificate from the Chartered Accountant.
- Copy of MSME certificate if any

IF bidder/OEM is found to have filed for bankruptcy or financial statement / shows negative balance, the bid shall be deemed unresponsive, hence, disqualified.

PART -II

SPECIFICATION FOR CONSTRUCTION OF 2X30 KVA ONLINE DOUBLE CONVERSION UPS

ANNEXURE – I

Supply, Installation, Testing & Commissioning of 2 nos. of 30 KVA/KW True On-Line Double Conversion type UPS system at NIBMG, Kalyani				
	TECHNICAL SPECIFICATIONS		Remarks	Description of bidder's supporting document & respective file name.
	30 KVA/KW True On-Line Double Conversion type UPS system. The UPS is having IGBT rectifier, inverters with latest technology IGBT based sine wave PWM, along with in-built static and maintenance bypass.			
A	INPUT			
1	Input voltage	415V, 3 phases, 5 wires		
2	Input voltage tolerance	320 to 460Vac at 100% load / 230 to 460Vac at 50% load		
3	Input frequency	50 Hz		
4	Input frequency tolerance	50HZ +/-6Hz		
5	Architecture	Single Module		
6	Nos. of Modules	Not Applicable		
7	Current THD	<3% at full load		
8	Control	Fully Digital, DSP PWM technology		
9	Event Log	The Event Log shall store up to the range of 500 to 1000 events in the front display panel		
10	Topology	Level 3 Inverter or better		
11	Self-Capacity test	Demo of Self-Capacity test at site preferable. However, factory test Certificate signed by OEM can be submitted alternatively.		

		NIBMG may at their discretion witness the factory test.		
12	Synch. Operation and nos. of units	2 units of UPS will be mutually synchronized, with provision for adding up two more units.		
B	OUTPUT			
1	Nominal full load rating KVA/KW	30 KVA/KW each		
2	Rated voltage	400V 3Ph, 4 wires		
3	Output voltage adjustment range	+/- 5%		
4	Output power factor range	0.6 lagging to unity without any KVA derating		
5	Output Frequency	50 Hz +/- 0.2 Hz		
6	Internal oscillator stability	+/- 0.1 Hz.		
7	Mains synchronization tracking	+/- 1 Hz (settable to +/-2 Hz)		
8	Output voltage harmonics	THDV 1% for linear load and 3% for non-linear load at full load		
9	Crest Factor	3: 1		
10	Efficiency (Online mode, double conversion mode)	Upto 95% or better without transformer		
11	Overload rating	110% for 60 minutes 125% for 10 minutes 150% for 60 seconds		
12	Transfer Time from inverter to bypass and vice versa.	Approx. 0 msec.		
13	Inbuilt Manual bypass switch	Required for each UPS system		
14	Inbuilt Static bypass	Required for each UPS		

	switch	system		
15	Emergency Stop	Emergency Stop Button on its Front panel.		
16	Back feed protection	Required		
17	UPS Configuration	Transformer isolated (Galvanic isolation). The Transformer should be inbuilt type at output side and must be supplied by UPS OEM). A transformer out-side the UPS cabinet is not acceptable.		
18	Acoustic Noise (At 1 meter from UPS)	Max 65 dB(A) (from 1 M) at all levels of load.		
19	Type test report	OEM to provide type test report for the product offered of particular rating and model no on demand.		
C	DC CHARACTERISTICS			
1	Nominal DC bus voltage	Min 400V		
2	DC voltage stability	+/- 1 %		
3	DC ripple	< 1 % (with Battery connected)		
4	Battery Make	Quanta (Amaron)		
5	Type	12V SMF		
6	Compatibility	Compatible with SMF, Tubular, Ni-Cd, Li-Ion Battery		
7	Battery block per string	Variable DC bus it can support at least variation of 4 nos. of battery		
8	No of battery block per string	Max 40 nos		
9	Battery backup time	15 min at 0.8 PF with full load		

10	Battery capacity (AH)	To be specified		
11	Intelligent Battery Management	Not required		
12	Battery isolation	Battery circuit breaker		
13	Automatic Battery testing	Automatic battery testing from front display		
14	Battery cables	UPS to Battery bank, should be suitably rated copper cables		
15	Both SNMP and MODBUS communication facility	Required		
D	CONTROLS			
1	Charger input Isolator			
2	Battery circuit breaker (mounted separately in its own enclosure)			
3	Inverter output Isolator			
4	Bypass line Isolator			
5	Maintenance Bypass Isolator			
6	Alarm acknowledge / Reset button			
7	Inverter On-Off Push button for Manual switching On/Off of the Inverter			
8	Emergency off push button			
E	MEASURING INSTRUMENTS			
1	LCD panel for Measuring Output voltages, Output currents and Frequency, Battery Voltage and Charging / Discharging current.			
2	LCD panel displays status of the Battery charge status (in %)			
3	Display- Digital LCD HMI type touch screen			
F	PROTECTIONS			
1	RC surge suppressor.			
2	Sustained under voltage on input side			
3	Phase loss on input side.			
4	Negative sequence on input side & bypass			
5	Semiconductor fuses in the lines for rectifier (IGBT)			

6	Snubber circuit for device (dv/dt protection)		
7	Charger input current limit		
8	Battery current limit		
9	DC over voltage		
10	Low battery		
11	Overload		
12	Over temperature for the inverter		
13	HRC fuses in the control circuit		
G	INDICATIONS (ALARMS & Warnings)		
1	Inverter Failure		
2	Overload (if load exceeds 100%)		
3	Overload shutdown		
4	Emergency shutdown		
5	Equipment over temperature		
6	Maintenance Bypass ON		
7	DC over voltage		
8	Low battery		
9	Battery circuit breaker open		
10	Battery on load		
11	Mains failure		
12	Rectifier Failed or Off		
13	Inverter Unsynchronized		
14	Load on bypass		
15	Output voltage error		
H	ENVIRONMENTAL CONDITIONS		
1	Panel type: Floor mounted front access type		
2	Operating temperature: 0 – 45 degree Celsius continuous		
3	Relative humidity: < 95 % (20 deg. C.) non-condensing type		
4	Altitude: 1000 m from MSL		

5	Storage temperature: From 0 to + 55 deg. C.			
I	WARRANTY AND SUPPORT			
1	UPS system and Batteries must include 3 years of on-site and comprehensive warranty by the OEM from the date of successful installation.			
	THE ENTIRE BATTERY PACK NEEDS TO BE CHANGED AFTER 2 ND YEAR.			
2	After Sales service support must be provided by OEM engineer only			
3	OEM must have own Service center in and around Kolkata for 24x7 support. Supporting document is required.			
4	OEM must provide 24x7 available toll-free phone number for reporting service-related problems.			
5	OEM must provide an email ID for reporting service related problems.			
6	OEM must provide free of cost quarterly preventive maintenance service during warranty period.			
J	DELIVERY AND INSTALLATION			
1		Price shall be inclusive of Cost of delivery, installation, integration and commissioning in the third floor of the main building.		
2		Price shall also include the Cost of all cables, switches, racks, and connectors required for installing and commissioning. If required, site survey will be allowed on request basis before tender submission date.		
3		Location of battery rack and UPS system may not be in the same room, so provision for extra cables (if requires) must be included.		

All supporting documents must be available on OEM website.

Bidder/ OEM must provide Technical brochure of the product/ model no. offered in the bid, giving details specifications, physical dimension and parameters, etc.

Part -B Financial Bid

The Price/ Financial Bid as per submitted BoQ format in .XLS format in E-tender Portal in separate cover while submitting the e-Bids.

Annexure-A

BILL OF QUANTITIES				
BOQ for building of 2 X 30 KVA Online Double conversion UPS				
Sl. No.	Name of the ITEM(S)	Qty.	Unit Rate including GST (INR)	Amount including GST (INR)
1)	2 X 30 KVA Online Double conversion UPS with 15 min battery backup 3 year Comprehensive warranty with battery change at the end of 2 nd year	1		
Total				

Format of Bank Guarantee

PROFORMA OF BANK GUARANTEE TOWARDS PERFORMANCE GUARANTEE

(On Non-judicial stamp paper of Rs.100.00)

Place :.....

Date.....

B.G. No:

Value: Rs.....

National Institute of Biomedical Genomics Post: N.S.S, Kalyani: 741 251

**SUBJECT: BANK GUARANTEE OF RS... ..TOWARDS PERFORMANCE
GUARANTEE FOR**

..... in National Institute of Biomedical Genomics, Kalyani, West Bengal.

(Name of Branch/Office)

Dear Sir,

WHEREAS (Name and address of contractor/vendor) (hereinafter called the Contractor) have entered into contract for (*insert name of the contract*) in National Institute of Biomedical Genomics, Kalyani, West Bengal.as mentioned in the letter of intent and the correspondence and tender relating thereto which is hereinafter referred to as “the said contract” and that the Contractor has agreed to produce a Performance Guarantee amounting to 5% (five percent) of the contract to NIBMG for performing their part of the contract obligations their liability ceases.

AND WHEREAS in terms of the said Contract, the contractor is required to furnish to NIBMG a Guarantee of a Nationalized Bank for a value of Rs.....to be valid up to ().

AND WHEREAS (Name of Bank and its branch) having their office at (address) the Guarantor, at the request of the contractor hereby furnishes a guarantee in favour of NIBMG and Guarantees in the manner hereinafter appearing.

In consideration of the premises, we (name of bank and its branch) having our office at (address) hereafter called the “Guarantor” (which expression shall include its successors and assigns) hereby expressly, irrevocably and unreservedly undertake and guarantee that if the Contractor fails to execute the work according to his obligations under the said contract, then notwithstanding any dispute between NIBMG and the contractor the Guarantor shall, without demur and without reference to the contractor pay to NIBMG immediately any sum claimed by NIBMG under the said contract up to a maximum amount of Rs..... (Rupees.....only).

In case the amount demanded by NIBMG is not paid within 48 hours of receipt of demand, the Guarantor agrees to pay the aforesaid amount of Rs..... (Rupeesonly).

Such payment shall be notwithstanding any right the contractor may have directly against NIBMG or any disputes raised by the Contractor with NIBMG or any suits or proceedings pending in any competent court or before any arbitrator. NIBMG’s written demand shall be conclusive evidence to the Guarantor that such payment is payable under the terms of the Contract and shall be binding in all respect on the guarantor.

The Guarantor shall not be discharged or released from this undertaking and Guarantee, by any arrangement, variations made between NIBMG and the Contractor and or indulgence shown to the contractor by NIBMG, with or without the consent and knowledge of the guarantor or by alterations in the obligations of the contractor by any forbearance, whether as to payment, time performance or otherwise.

This guarantee shall remain valid until or as may be caused to be extended by the contractor or until discharged by NIBMG in writing whichever is later.

a) This guarantee shall be a continuing guarantee and shall not be revocable during its currency except with the previous written consent of NIBMG.

b) This guarantee shall not be affected by any change in the constitution of the contractor, by absorption with any other body or corporation or dissolution or otherwise and this guarantee will be available to or enforceable against such body or corporation.

In order to give effect to this guarantee NIBMG will be entitled to act as if the Guarantor were the Principal debtor and the Guarantor hereby waives all and any of its rights or surety ship.

This guarantee shall continue to be in force notwithstanding the discharge of the contractor by operation of law and shall cease only on payment of the full amount by the Guarantor to NIBMG of the amount hereby secured.

This guarantee shall be in addition to and not in substitution for any other guarantee or security for the contractor given or to be given to NIBMG in respect of the said contract.

Any notice by way of request and demand or otherwise here under may be sent by post or any other mode or communication to the guarantor addressed as aforesaid and if sent by post it shall be deemed to have been given at the time when it would be delivered in due course of post and in providing such notice when given by post it shall be sufficient to prove the envelope containing the notice was posted and a certificate signed by an officer of NIBMG that the envelope was so posted shall be conclusive.

These presents shall be governed by and constructed in accordance with Indian Law.

Notwithstanding anything contained hereinbefore the liability of the guarantor under this guarantee is restricted to a sum of Rs.....

This guarantee will remain valid up to unless a demand or claim under this guarantee is made in writing on or before the guarantor shall be discharged from all liability under the guarantee thereafter.

Dated the.

For (Name of Bank)

(Signature/s with designation/s of signatory/ies)

(Name and Stamp of Bank)

Place:.....

Date.....

DECLARATION BY BIDDER

(To be submitted in Manufacturer's/Bidder's Letter Head)

To,
THE DIRECTOR
NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS P.O: N.S.S
KALYANI- 741251 NADIA, WEST BENGAL.

I confirm that:-

I _____ Son/Daughter/Wife of Shri Proprietor/Director /Partner/ Manager Resident
of _____ authorized signatory of the Agency/Firm _____, am competent to sign this Declaration
and execute this application document.

No employee or direct relation of any employee of NIBMG is in
way connected as Partner /Shareholder/Director/Advisor/Consultant/Employee etc. with the
Company.

The information furnished is correct to the best of my knowledge and belief.

I have read and understood the general instructions to vendors and undertake to abide by the same.

.....
(Signature of Proprietor/Partner/Chief Executive)

Name
(In Capital Letters)
(Seal of Service Provider)

Place : _____

DELISTING DECLARATION
(To be submitted in Manufacturer's/Bidder's Letter Head)

To

Date:

**THE DIRECTOR
NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS P.O: N.S.S
KALYANI- 741251 NADIA, WEST BENGAL**

Dear Sir,

We M/s _____ hereby declare/clarify that we have not been banned by any Government or quasi-Government agencies or Public Sector Undertakings.

NOTE: If you are banned by any Government or Quasi Government Agencies or Public Sector Undertakings, the fact must be clearly stated with details.

Thank you.

Signature with Seal of the Manufacturer/ Bidder

Place :

Date:

FINANCIAL STATUS STATEMENT OF THE MANUFACTURER/BIDDER FOR LAST THREE YEARS

The details to be furnished must be supported by figures in balance sheet/profit and loss account and relevant authorized documents.

Or The said data on the letterhead of your Chartered accountant can also be accepted in lieu of supporting documents.

Sl No.	Financial / Accounting Year	Profit (Rs.)	Loss (Rs.)	Annual Turnover (in Indian Rupees)
1	2021-22			
2	2022-23			
3	2023-24			
AVERAGE TURNOVER OF LAST THREE YEARS EXCLUDING CURRENT YEAR DATA				

(Signature) Name:

Membership Number:

Seal of Chartered Accountant UDIN No.:

Signature with Seal of the Bidder

Warranty Compliance Undertaking
(To be submitted in Manufacturer's/Bidder's Letter Head)

To
THE DIRECTOR
NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS P.O: N.S.S
KALYANI- 741251 NADIA, WEST BENGAL

Date:

Dear Sir,

Subject: Design, Supply, Installation, Testing and Commissioning OF 2 X 30 KVA ONLINE DOUBLE CONVERSION UPS inside the BRIC-NIBMG and vide your above tender notice if we get the contract order from you.

This bears reference to our quote no.____dated____

- 1) We warrant that everything to be supplied by us shall be brand new, free from all defects and faults in material, workmanship and manufacture and shall be of the highest grade and quality and consistent with the established standards for materials specification and shall operate properly. We shall be fully responsible for its efficient operation.
- 2) Alternative equipment/goods shall be provided free of cost to the Institute within two weeks in case of major defects arising in the existing equipment/goods/machine in the comprehensive warranty period of year(s), Extended Warranty period of ____year(s) and CMC period of ____year(s) from the date of installation of the equipment/goods.
- 3) We also accept free up-gradation of software (all update & upgrades) up to 03 (three) years from the date of satisfactory installation if supplied with the equipment/goods/ article.
- 4) Batteries should be changed at the end of 2nd year to be compliant with the Comprehensive 3 year warranty of the entire system.

Yours faithfully

Signature with Seal of the Manufacturer/ Bidder

Place: Date: