

**West Bengal State Electricity Distribution Company Limited**  
**(A Government of West Bengal Enterprise)**

**(I T & Communication Cell)**

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CIN: U40109WB2007SGC113473



**WBSedCL**

**e-TENDER NOTICE**

**(LOCAL COMPETITIVE BIDDING)**

**BID DOCUMENT**

**Supply, Delivery, Installation & Commissioning of Battery Banks  
for UPS at Data Centre Rajarhat and DRC Berhampore  
including 5 years warranty Services.**

**Cost of Bid Document: Rs.7080/-  
(Including applicable GST of 18%)**

**Tender Notice No: WBSedCL/IT&C/33.10(i)/3109**

**Dated: 08.10.2020**

  
**C.E. IT&C Cell**  
**WBSedCL**

Tender Notice No: WBSedCL/IT&C/33.10(i)/3109

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Dated: 08.10.2020

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## SECTION: I INSTRUCTION TO BIDDER (IB)

West Bengal State Electricity Distribution Company Limited hereinafter referred to as WBSEDCL, a Govt. of West Bengal Enterprise is responsible to distribute uninterrupted and quality Power within the State of West Bengal.

West Bengal State Electricity Distribution Company Limited, requires 2 Sets of 200 KVA UPS battery banks (each contains 204 Cells, 2V DC, 600 AH VRLA Batteries) and 2 sets of 160 KVA UPS battery banks (each contains 204 Cells, 2V DC, 600 AH VRLA Batteries) for its large-scale critical UPS system at Data Centre, Rajarhat and DR Centre, Berhampore. This is an open tender for the purchase of total 4 sets of UPS battery banks and buy-back of existing 4 sets of UPS battery banks of Exide make.

WBSEDCL, hereinafter, referred to as the Purchaser, is in process of procurement of above mentioned battery banks at Data Centre Rajarhat and DR Centre Berhampore.

WBSEDCL will finance the entire work as stipulated under scope of work in the Bid documents.

### **IB.1. Eligibility of Bidders:**

**IB.1.1.** This Invitation for Bids, issued by the WBSEDCL is open to all firms including company (ies), Government owned Enterprises registered and incorporated in India as per Companies Act, 1956, barring Government Department as well as foreign and those bidders with whom business is banned by the WBSEDCL.

**IB.1.2.** Bidders must fulfill the Mandatory Conditions mentioned in the Annexure –II shall be considered as eligible for bidding.

**IB.1.3.** Required supporting documents are to be submitted as per clause IB.15.

**IB.1.4.** The bidder should be either OEM (Original Equipment Manufacturer) of the equipment or OES (Original Equipment Supplier) of such OEM (should produce documentary evidence from the OEM in this regard). OEM certification is mandatory for OES.

**IB.1.5.** The bidder should not have been blacklisted from any Govt. organization across India in last three years and undertaking in this regard should be provided by the authorized signatory of the bidder. During contract period if the undertaking submitted by the bidder is found to be false, the order issued on selected bidder shall be terminated with the forfeiture of the BG.

**IB.1.6.** Intending bidder may purchase the Bid document upon payment of cost of bid document of: non-refundable Rs. 6,000/- (Rupees Six thousand only) and applicable GST @18% (i.e. Rs 7080/- including GST) by Demand Draft / Banker's Cheque in favour of "West Bengal State Electricity Distribution Company Limited", payable at Kolkata. Purchase date of Demand Draft (DD) / Banker's Cheque (BC) should be after NIT publication date.

### **IB.2. Issue of BID Documents:**

**IB.2.1.** Intending Bidders desirous of participating in the tender are to log on to the website <http://wbttenders.gov.in> . The tender can be searched by typing "wbstedcl" in the search box of the website.





**IB.2.2.** Bidders willing to take part in the process of e-tendering are required to obtain Digital Signature Certificate (DSC) in the name of person who will sign the tender, from any authorized Certifying Authority (CA) under CCA, Govt of India (viz. nCode Solution, Safescrypt, e-Mudhra). DSC is given as a USB e-Token. After obtaining the Class 2 or Class 3 Digital Signature Certificate (DSC) from the approved Certifying Authority they are required to register the fact of possessing the Digital Signature Certificates through the registration system available in the website.

**IB.2.3.** Intending bidders are to download the tender documents from the website stated above, directly with the help of the e-Token provided. This is the only mode of collection of tender documents. Details of submission procedure are given in "Instructions to Bidders".

**IB.3. Responsibility of Bidders:**

**IB.3.1.** It shall be the sole responsibility of Bidders to determine and to satisfy themselves by such means as they consider necessary or desirable for all matters pertaining to this contract including, in particular, all factors that may affect the cost, duration and execution of the work.

**IB.3.2.** It must be understood and agreed that such factors have properly been investigated and considered while submitting the bid. Any claim, whatsoever, including those for financial adjustments to the contract, once awarded under these documents will not be entertained by WBSEDCL. Neither any change in time schedule of the contract nor any financial adjustments, arising thereof, shall be permitted by WBSEDCL, which are based on the lack of such clear information of its effect.

**IB.3.3.** The bid shall include all the information as per bid document.

**IB.3.4.** The bidder shall bear all the costs associated with the preparation and submission of bid and WBSEDCL in no case shall be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

**IB.3.5.** In order to avoid any problem arising out of network error or server error, bidders are advised to submit the bid, well in advance of the last date and time of submission of the bid.

**IB.4. Formation of cartel & penal Measures:**

Any evidence of unfair trade practices, including overcharging, price fixing, cartelization etc. as defined in various statutes, will automatically disqualify the parties. Repeated occurrence of such evidence of above bidders may also be viewed seriously by the WBSEDCL authority and penal measures as deemed fit would be imposed on such bidders.

**IB.5. Key Dates:** Schedule of Dates for e-Tendering:

Sl No.	Action	Date & Time
1.	Publishing Date	15.10.2020, 14:00 Hrs.
2.	Document Download start date	15.10.2020, 14:00 Hrs.
3.	Last date of Receiving Pre-Bid Clarification	21.10.2020, 22:00 Hrs.
4.	Date of Pre-bid Clarification upload	02.11.2020, 17:00 Hrs.
5.	Bid submission Start date	03.11.2020, 14:00 Hrs.
6.	Bid submission last date	24.11.2020, 14:00 Hrs.





7.	Last date of physical submission of Tender Fee & EMD	24.11.2020, 14:00 Hrs.
8.	Technical Bid opening date	26.11.2020, 14:00 Hrs
9.	Financial Bid opening date	Will be informed to eligible bidders

If any 'Holiday, falls on any of the scheduled date, then the next working day (between mentioned working hours) shall be considered as scheduled date and schedule time.

**IB.6. Pre Bid Discussion:**

Due to outbreak of covid-19, no pre-bid meeting will be held. Queries must be sent to the Chief Engineer, IT & Communication Cell through email. Mail id for sending queries : [ceit@wbasedcl.in](mailto:ceit@wbasedcl.in) with a CC to [soumya.samanta@wbasedcl.in](mailto:soumya.samanta@wbasedcl.in) However, sending queries are not mandatory and will not be cause for disqualification of the bidders.

**IB.7. Clarification of Bidding Documents:**

If there be any discrepancy or obscurity in the meaning of any clause of the bid document, such queries must be sent to the Chief Engineer, IT&C Cell, through email.([ceit@wbasedcl.in](mailto:ceit@wbasedcl.in) with a CC to [soumya.samanta@wbasedcl.in](mailto:soumya.samanta@wbasedcl.in)).Such query received from vendors shall only be discussed by tender committee. No other query except email will be clarified. After submission of bid, correspondences regarding changes in taxes, duties or statutory obligations if any can only be made. Correspondences in any other form shall be treated as 'Bad Conduct'. If any changes are decided by the tender committee based on the query received from the vendors, the same will be uploaded in the website <https://wbtenders.gov.in> and no other communication shall be made afterwards. The clarification given shall be final and binding on the bidder.

**IB.8. Amendment / Addenda of Bidding Documents:** At any time, prior to the deadline of submission of Bid, WBSEDCL may, for any reason, modify the Bidding Documents by issuing Addenda / Amendments and the same will be uploaded in the website <https://wbtenders.gov.in> only in due time. WBSEDCL shall not have any obligation to inform the vendors through any other mode of communication.

**IB.9. Language of the Bid:** The bid so prepared by the bidder and all other correspondences and documents relating to the bid, exchanged by the bidder and WBSEDCL, shall be written English Language only.

**IB.10. Period of validity of Bid:** The bid shall remain valid up to 6 (six) months from the date of opening of Technical Bid of the tender. WBSEDCL may request to extend Validity of the bid beyond Six Months if required so, without any change in offer.

**IB.11. Tender Fee:**

**IB.11.1.** All bids must be accompanied with a non refundable tender fee. The bid shall be considered non responsive if the tender fee is not submitted along with the bid.

**IB.11.2.** The bidder shall furnish Tender Fee of Rs. 7080/- (Rupees One Thousand One hundred and Eighty) only including applicable GST in the form of Demand Draft (DD) / Banker's Cheque (BC) issued by any branch of any Indian Scheduled Bank in favor of "West Bengal State Electricity Distribution Company Limited" payable at Kolkata. The tender fee is Rs 7080/- (Rupees One Thousand One Hundred and Eighty) only for participation in the tender.



**IB.11.3.** Scanned copy of Demand Draft (DD) / Banker's Cheque (BC) towards Tender Fee is to be uploaded while submitting the bid online. The details of the instrument are to be entered while the bid is being submitted online.

**IB.12. Earnest money [Bid Guarantee]:**

**IB.12.1.** All bids must be accompanied with a refundable earnest money, as "Bid Guarantee". The bid shall be considered non responsive if the earnest money is not submitted along with the bid.

**IB.12.2.** The bidder shall furnish Bid Guarantee in the form of Demand Draft (DD) / Bank Guarantee (BG) of the amount Rs 2,45,000 /-, issued by any branch of any Indian Scheduled Bank in favor of "West Bengal State Electricity Distribution Company Limited" payable at Kolkata or as per format given in Annexure-III which shall remain valid for 6 months from the date of submission of bid with a claim period of 3 (Three) months thereafter.

**IB.12.3.** Scanned copy of Demand Draft (DD) / Bank Guarantee (BG) is to be uploaded while submitting the bid online. The details of the instrument are to be entered while the bid is being submitted online.

**IB.12.4.** The Bid Guarantee of the unsuccessful Bidder/ Bidders, will be returned against their written claim within one month from the date of placement of order on the successful Bidder/ Bidders.

**IB.12.5.** The 'Bid Guarantee', of the successful Bidder/ Bidders, will be returned within 30 (Thirty) days from the date of acceptance of Performance Guarantee to be submitted as per Performance Guarantee Clause of bid document.

**IB.12.6.** No interest shall be payable by WBSEDCL on the above Bid Guarantee.

**IB.12.7.** The Bid Guarantee shall be forfeited for any of the following reasons:

**IB.12.8.** If during the period of bid validity, the bidder withdraws or modifies the bid in part or as a whole.

**IB.12.9.** If the successful Bidder/ Bidders fails/fail to accept the order unconditionally as per "Acceptance of LoA" clause of bid document or fails/fail to furnish the contract performance guarantee as stipulated in PBG clause of bid document.

**IB.12.10.** If the successful bidder / bidders fails to extend the validity period of EMD as per "Earnest Money" Clause of bid document.

**IB.12.11.** If any cartel is formed by the bidder in their quotation.

**IB.13. General guidance for e-Tendering:**

Instructions/Guidelines for electronic submission of the tenders have been mentioned below for assisting the bidders to participate in e-Tendering.

**IB.13.1. Registration of Bidders :** Any bidder willing to take part in the process of e-Tendering will have to be enrolled & registered with the e-Procurement system, through logging on to <https://wbtennders.gov.in>.

**IB.13.2. Digital Signature certificate (DSC):** Each bidder is required to obtain a class-II or





Class-III Digital Signature Certificate (DSC) for submission of tenders.

**IB.13.3.** The bidder can search and download NIT & Tender Documents electronically from the website mentioned in Clause 4 using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

**IB.14. Signing of Bids:**

**IB.14.1.** The bid shall be downloaded from the website [www.wbtenders.gov.in](http://www.wbtenders.gov.in) and shall be signed by a person / persons duly authorized by the bidder.

**IB.14.2.** To be qualified for evaluation and finalization of contract, Bidder/ Bidders shall submit a written power of attorney, authorizing the signatory of the Bid to act on behalf of the Bidder in the form and manner which is acceptable by WBSEDCL.

**IB.14.3.** All the pages of the bid and where, entries/ amendments have been made, shall be signed by the person/persons signing the bid.

**IB.14.4.** The complete bid shall be without alterations, interlineations or erasers, except those to accord with instructions issued by WBSEDCL or as necessary to correct errors made by the bidders, in which case such corrections shall be initialed by the person/persons signing the bid. Bids not duly signed/ digitally signed shall be treated as cancelled.

**IB.15. Submission of Bid: Bids shall be submitted as under:**

**IB.15.1. General process of submission:** Tenders are to be submitted online through the website <https://wbtenders.gov.in>. All the documents uploaded by the Tender Inviting Authority form an integral part of the contract. Tenderers are required to upload all the tender documents along with the other documents, as asked for in the tender, through the above website within the stipulated date and time as given in the Tender. Tenders are to be submitted in two folders - one is Technical Proposal and the other is Financial Proposal. The tenderer shall carefully go through the documents and prepare the required documents and upload the scanned documents in Portable Document Format (PDF) to the portal in the specified locations of Technical Bid.

**IB.15.2.** The bidder needs to download the Forms / Annexure / BOQ, fill up the particulars in the specified Cell and upload the same in the specified location of Technical folder / financial folder. Original copies of the uploaded documents may be submitted for physical verification if required by the Tender Inviting Authority at the time of technical evaluation.

**IB.15.3.** The documents uploaded shall be virus scanned and digitally signed using the Digital Signature Certificate (DSC). Tenderers should take note of all the addendum/corrigendum related to the tender and upload the latest documents as part of the tender.

**IB.15.3.1. Technical Proposal:** The Technical Proposal shall contain all requisite documents in the following standardized formats in one cover (folder) which contains the followings: -

- i. **Tender Fee:** Scanned copy of Demand Draft (DD) / Banker's Cheque (BC) towards tender fee as prescribed in the NIT, **in favour of WBSEDCL payable at Kolkata** from any scheduled Bank of India. Payment in any other form will not be accepted. Purchase date of Demand Draft (DD) / Banker's Cheque (BC) should be after NIT publication date.
- ii. **Earnest Money Deposit (EMD):** Scanned copy of Demand Draft (DD) / Bank Guarantee (BG) towards EMD as prescribed in the



NIT, in favour of WBSEDCL payable at Kolkata from any scheduled Bank of India. Payment in any other form will not be accepted. Purchase date of Demand Draft (DD)/ BG should be after NIT publication date.

- iii. Annexure-I: Format of Bid Proposal
- iv. Annexure-II: Mandatory Condition
- v. Annexure-IIA: Schedule of Bids
- vi. Annexure-IIB: Summary statement of average annual turnover
- vii. Annexure-IIC: Summary statement of Order Executed.
- viii. Annexure-IVA: Undertaking.
- ix. Annexure-IVB: Letter of Bid.
- x. Annexure-IVC: Deviation Schedule.
- xi. Annexure V: Material Specification confirmation
- xii. Annexure VIII: MAF (Manufacturer Authorization Form)
- xiii. Annexure IX : GTP.
- xiv. Notice Inviting Tender (NIT).
- xv. Addenda/ Corrigendum: If published.
- xvi. Company Details: Registration no of the company.
- xvii. PAN Card details.
- xviii. Banker's certificate regarding financial capability issued for any three consecutive financial years within 2016-2017, 2017-2018, 2018-2019 & 2019-2020.
- xix. Financial Information: Copy of audited annual accounts any three consecutive financial years within 2016-2017, 2017-2018, 2018-2019 & 2019-2020 are to be submitted by the companies and others and turnover certificate duly certified by chartered accountant along with IT returns for the corresponding period.
- xx. GST Registration certificate to be given for performance of service i.e West Bengal.
- xxi. The bidder(s) should have the experience of performing similar work order (of at least 40 Lakhs INR) in one single order to any Govt./reputed corporate institution for similar type of job within the financial years among 2016-2017, 2017-2018, 2018-2019 and. 2019-2020. The bidder shall submit the list of orders in his executed mentioning the order value in last four years.

*Note: Bidders are to keep track of all the Addendum/Corrigendum issued with a particular tender and upload all the above digitally signed along with the NIT. Tenders submitted without the Addendum/Corrigendum (if any) will be treated as informal and liable to be rejected. Only downloaded copies of the above documents are to be uploaded, virus scanned and digitally signed by the bidder. Failure of submission of any one of the above mentioned documents will render the tender liable to summary rejection.*

**IB.15.3.2. Financial Proposal:** The financial proposal should contain the following documents in one cover (folder).

**Bill of Quantities (BOQ)**

The bidder is to quote the rate in the blank spaces marked for quoting rate in the BOQ sheet of Annexure-VII. Only downloaded copies of the above documents are to be uploaded, virus scanned and digitally signed by the bidder. Any deviation in the format, content (Other than entry of the quoted price at the desired blank spaces) of the Price bid/BOQ will render the tender liable to summary rejection.



**IB.15.4. Submission of original copies of documents of Tender Fee and Earnest Money Deposit:**

**IB.15.4.1. Place of submission:** The original DD/BC towards Tender Fee and DD/BG towards Earnest Money Deposit shall be submitted in the following office:

**Office of the Chief Engineer, IT&C Cell,  
West Bengal State Electricity Distribution Company Limited,  
Vidyut Bhavan, 3<sup>rd</sup> Floor, D-Block,  
Salt Lake, Sector-II, Kolkata – 700091.**

**IB.15.4.2. Time of submission:** The Tender Fee and EMD shall be submitted in the office as stated above within the date and time as specified in the NIT. If the bidder fails to submit the original DD/BC/BG within the due date and time his tender will not be opened and his bid will stand rejected.

**IB.15.4.3.** Conditional and incomplete tenders are liable to be rejected.

**IB.16. Late Submission of Bid:** Bidder shall take all possible measures to submit the bid within the schedule date & time at specified folder/location prescribed elsewhere in the bidding document. Late submission of bid for whatever reason shall not be accepted.

**IB.17. Evaluation of Rates: Procedure of Evaluation: Finalization of Rate:**

**IB.17.1. Opening of Technical Proposal**

**IB.17.1.1.** Technical proposals will be opened by the Tender Inviting Authority or his authorized representative electronically from the website stated above, using their Digital Signature Certificate.

**IB.17.1.2.** Technical proposals for those tenders whose original copies of DD/BC towards tender fee & DD/BG towards EMD have been received will only be opened. Proposals corresponding to which original copy of DD/BC/BG towards tender fee & EMD has not been received, will not be opened and will stand rejected.

**IB.17.1.3.** Intending tenderers may remain present if they so desire.

**IB.17.1.4.** Decrypted (transformed into readable formats) documents of the Statutory and Non-Statutory Covers will be downloaded for the purpose of evaluation.

**IB.17.2. Techno-commercial Evaluation of Tender**

**IB.17.2.1.** While evaluation, the Tender Inviting Authority or his authorized representative may summon of the tenderers and seek clarification / information or additional documents or original hard copy of any of the documents already submitted and if these cannot be produced within the stipulated timeframe, their proposals will be liable for rejection.

**IB.17.2.2.** The summary list of tenderers, whose bids will be found techno- commercially eligible, will be available in the web portals. Date of opening of financial bid will be intimated to the techno-commercially qualified tenderers.

**IB.17.2.3.** If any kind of financial quotes are found within the technical proposal, the respective bids will be liable for rejection.

**IB.17.3. Opening and evaluation of Financial Proposal**

**IB.17.3.1.** Financial proposals submitted by the tenderers in the prescribed format (Annexure-IV) and declared techno-commercially eligible, will be opened electronically by the Tender Inviting Authority from the web portal stated above on the prescribed date.

**IB.17.3.2.** The encrypted copies will be decrypted and evaluated online.

IB.17.3.3. After opening of the financial proposal the preliminary summary result containing inter- alia, name of bidders and the rates quoted by them will be uploaded.

IB.17.3.4. The Tender Accepting Authority may ask any of the tenderers to submit justification for supporting the rate quoted by that tenderer.

IB.17.3.5. No deviation in any form in the price-bid sheet is acceptable.

IB.17.3.6. For any discrepancy in the amount of figures and words, the quoted amount in figure will prevail.

IB.17.3.7. Revision/withdrawal of Financial Proposal by the bidder after opening of Technical Proposal of the tender will not be allowed if it is not sought by the Tender Inviting Authority.

**IB.17.4. Price:**

IB.17.4.1. The Bidder shall indicate the prices in Indian Rupees only.

IB.17.4.2. Incomplete or partial quotation will not be accepted and shall be liable to be rejected.

IB.17.4.3. No deviation in any form in the Price Bid Sheet is acceptable

IB.17.4.4. Prices quoted by the Bidder shall be fixed. Bid/tenders submitted with adjustable price quotations will be rejected.

IB.17.4.5. Rates quoted should be for the material mentioned in Annexure - V.

IB.17.4.6. No extra costs shall be paid for change of the defective spares if any during warranty period.

IB.17.4.7. Total price offer shall be submitted in the prescribed format (Annexure – VII) only.

IB.17.4.8. The prices shall remain FIRM till completion of the service period for which the contract is awarded. Taxes and duties shall be payable as applicable and as per prevailing rate.

IB.17.4.9. The Bidder, at his own cost, responsibility and risk may visit the Site of Service and may obtain relevant information before quoting the rates. The costs of visiting the Site shall be at the Bidder's own expense.

**IB.18. Acceptance of Tender:**

Amongst the technically qualified bidders, L1 bidder will be decided on the basis of price bid evaluation for the overall work after satisfying each sub-category. Lowest valid rate should normally be accepted. However, the Tender Accepting Authority does not bind himself to do so and reserves the right to reject any or all the tenders, for valid reasons.

**IB.19. Time Schedule:** The entire activity as per scope of work shall start after issue of LOA. **Date of issue LOA shall be considered as zero date.**

<u>Activities</u>	<u>Time of Completion</u>
Testing / Inspection of Batteries	Within 4 weeks from Zero date.
Supply & delivery of Batteries	Within 6 Weeks from Zero date
Installation, Commissioning and Acceptance of Batteries	Within 8 Weeks from Zero date
Warranty Services	5 (Five) years from the date of acceptance of the batteries.



- IB.20. Taxes, Duties and other levies:** The bidder shall be solely responsible for the taxes that may be levied on the vendor's persons or on earning of any of his employees and shall hold the employer indemnified and harmless against any claims that may be made against the employer. The WBSEDCL shall not take any responsibility whatsoever regarding taxes under Income Tax Act 1961, for the contractor or his personnel.
- IB.21. Statutory Obligations:** Statutory obligations as per law of the land are to be complied.
- IB.22. P.F. Code No. :** The vendor shall submit necessary PF code no.
- IB.23. Insurance:** The Contractor at his own cost shall arrange, secure and maintain all insurance as may be pertinent to the Work and obligatory in terms of law to protect his interest and interests of WBSEDCL against all perils detailed herein. The form and the limit of such insurance as defined herein together with the underwriter in each case shall be acceptable to WBSEDCL. However, irrespective of such acceptance, the responsibility to maintain adequate insurance coverage at all times up to successful installation & commissioning and of all equipments shall be of Contractor alone. The Contractor's failure in this regard shall not relieve him of any of his contractual responsibilities and obligations. The insurance covers to be taken by the Contractor shall be in the joint names of the WBSEDCL and the Contractor, wherein the beneficiary will be WBSEDCL and the Contractor will be the custodian. The Contractor shall, however, be authorized to deal directly with the Insurance Company or Companies and shall be responsible in regard to maintenance of all insurance covers.
- IB.25.** Any loss or damage to the equipment during transportation, handling, storage, erection, putting into satisfactory operation and all activities to be performed till the successful completion of commissioning of the Equipment shall be to the account of the Contractor. The Contractor shall be responsible for preference of all claims and make good the damages or loss by way of repairs and/or replacement of the equipment, damaged or lost. The transfer of title shall not in any way relieve the Contractor of the above responsibilities. The Contractor shall provide WBSEDCL with copy of all insurance policies and documents taken out by him in pursuance of the Contract. Such copies of documents shall be submitted to WBSEDCL immediately after such insurance coverage. The Contractor shall also inform WBSEDCL in writing at least sixty (60) days in advance regarding the expiry/cancellation and/or change in any of such documents and ensure revitalization, renewal etc. as may be necessary well in time at his cost, risk and responsibility.
- IB.26.** The perils required to be covered under the insurance shall include, but not be limited to fire and allied risks, miscellaneous accidents (erection risks), workman compensation risks, loss or damage in transit, theft, pilferage, riot and strikes and malicious damages, civil commotion, weather conditions, accidents of all kinds, war risks etc. The scope of such insurance shall be adequate to cover the replacement / reinstatement cost of the equipment for all risks up to and including delivery of goods on Ex-works basis and shall also cover transportation and other costs till the equipment are delivered. Notwithstanding the extent of insurance cover and the amount of claim available from the underwriters, the Contractor shall be liable to make good the full replacement/rectification value of all equipment/materials and to ensure their availability as per project requirements. The extent of contractors' liability together with the insurance cover and claim available shall be limited to the full replacement / rectification value of all equipment / material to ensure their availability as per project requirement.





- IB.27. Bidder shall ensure that for all activities to be performed under the Contract viz. transportation, storage, erection, testing, Installation and commissioning etc. equipment is handed over to WBSEDCL; the insurance cover shall only be taken from Indian Insurance Companies.
- IB.28. **Period of Contract:** Initial Period of contract shall be from zero date to warranty end date or any other date as agreed upon mutually prior to the commencement of the contract.
- IB.29. **Issue of LOA :** WBSEDCL will award the contract to the successful bidder/bidders whose bid has been determined to be substantially responsive and has been determined the lowest evaluated bid, provided further that the bidder is determined to be qualified to perform the contract satisfactorily. WBSEDCL shall be the sole judge in this regard.
- IB.30. **Acceptance of LOA:** The successful bidder/bidders shall submit written unconditional acceptance of LOA within 14 days (Two weeks) from date of issuance of the same. Submission of conditional acceptance of LOA shall be treated as non-compliance of this clause.
- IB.31. **Right to reject Bids:** WBSEDCL reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders the reason for WBSEDCL's action.
- IB.32. **Representative of Vendors:** The successful vendor is required to nominate officers with whom WBSEDCL will contact on all matters related to this job. The vendor has to specifically furnish to WBSEDCL, the name, designation, mobile no, office & residential phone no of such person for each office.
- IB.33. **Mandatory Condition:** The bidder shall provide documentary evidence satisfactory & acceptable to WBSEDCL to establish that they have the requisite credential, capability and experience to handle the contract and meet requirements of all the Mandatory Conditions indicated in ANNEXURE-II.
- IB.34. **Disqualification of Bidders:** Adverse report / remark on post-installation warranty service against any order from any office under WBSEDCL may disqualify the candidature of the bidder at any point of time during processing of the tender.
- IB.35. **Settlement of Disputes:** In case of any dispute arising out of the contract, the same should be settled through meeting between the WBSEDCL and the contracting agency at the appropriate level. The necessary judicial affairs and/or Court Case shall be exclusively within the jurisdiction of Calcutta High Court only.
- IB.36. **Manufacturer's Authorization:**  
The bidder (except OEM) shall submit Manufacturer's Authorization Form i.r.o. the quoted equipment.
- IB.37. **Communication:** The successful vendor, for communicating with WBSEDCL, for this job may use the following modes.  
Telephone – (033) 23242551/50. [ceit@wbsecl.in](mailto:ceit@wbsecl.in) , [soumya.samanta@wbsecl.in](mailto:soumya.samanta@wbsecl.in)
- IB.38. **Conflict of Interest:**  
IB.38.1. The Bidder shall not have a Conflict of Interest that may affect the Tendering Process. Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, the Bid Security of the bidder shall be forfeited for the time, cost and effort of the Authority including consideration of such Bidder's Proposal, without prejudice to any other right or remedy that may be available to the Authority hereunder or otherwise.



**IB.23.2.** Any Bidder found to have a conflict of Interest if his near relative is posted as an employee/officer in any capacity in WBSEDCL, who is associated with the Tender Inviting Authority.

**IB.23.3.** Any Bidder found to have a Conflict of Interest if any employee of the bidding firm/company has or develops a financial or other interest with any employee/officer of WBSEDCL associated with the Tender Inviting Authority during execution of the contract.

**IB.23.4.** Any Bidder has a relationship with another Bidder/Bidders, directly or through common third parties, that puts them in a position to have access to each-others information about, or to influence the Tendering Process of either or each of the Bidder.



**SECTION: II**  
**Scope of Work [SW]**

Supply, delivery, installation and commissioning of items i.e. Battery Bank, including 5 (Five) years warranty service as indicated hereunder:

**SW1. Supply & Delivery of Items: -**

2 Sets of 200 KVA UPS battery banks (each contains 204 Cells, 2V DC, 600 AH VRLA Batteries) for its large-scale critical UPS system at Data Centre, Rajarhat and 2 sets of 160 KVA UPS battery banks (each contains 204 Cells, 2V DC, 600 AH VRLA Batteries) for its large-scale critical UPS system at DR Centre, Berhampore.

1. Transport, on site supply, delivery, installation & commissioning of battery bank including accessories to Data Centre, Rajarhat and DR Centre, Berhampore, WBSEDCL.

2. The on-site Installation and Configuration of Battery Banks.

**3. Batteries may be re-installed & re-configured without any extra cost to WBSEDCL if it is required during entire contract period.**

4. Integration & tuning of the entire system for optimum performance and trouble free operation at each location.

5. Performance test run of the Batteries for fine tuning.

6. Warranty Service of the batteries to be performed during warranty period in all the locations.

7. Submission OEM Certification indicating Battery serial Number.

**SW2. Detail Technical Specification:**

This specification covers design, manufacture, assembly of components, testing at manufacturer's works, packing, supply and delivery to site of valve regulated lead-acid (VRLA) stationary batteries and associated accessories for indoor installation. The Battery Manufacturer must have Manufacturing Unit in India and the batteries must be manufactured in India. Unless otherwise specified, the equipment shall conform to latest applicable Indian standard or equivalent IEC, British or USA standard.

**Batteries for Purchase**

SL. Nos.	DESCRIPTION OF ITEM	CAPACITY		QUANTITY
		VOLTS	AMPERE HOUR	
1	VRLA STATIONARY BATTERIES: Make : Exide / Amara Raja / Panasonic / Rocket / QUANTA	2 Volts	600Ah	816 Nos. 204 Cells / Bank X 4 Nos
All Batteries should be of the same Make, Type, Design and Rating manufactured by the factory during the same period, using the same process and materials.				



**Buy-Back:** Removal of OLD / scrap batteries under a buy-back offer must be in the scope of supplier. Handing over the scrap batteries to a suitable Lead Recycler in adherence with the notification of the Government of India in the Ministry of Environment and Forests was published in the Gazette of India, Extraordinary, Part II-section 3 the Batteries (Management and Handling) Rules, 2001.

### Batteries for Buy-Back

SL. Nos.	DESCRIPTION OF ITEM	CAPACITY		QUANTITY
		VOLTS	AMPERE HOUR	
1	VRLA STATIONARY BATTERIES: Make : Exide	2 Volts	600Ah	816 Nos. 204 Cells / Bank X 4 Nos

The bidder may visit the site to inspect the facilities for the new batteries and the buy-back battery bank before quoting for the tender.

### **Design and Constructional Features of the Batteries to be Purchased**

GTP as mentioned in the Annexure-IX (duly filled up by the bidder) needs to be uploaded by the bidder.

#### **Type:**

The battery shall be Valve Regulated Lead Acid (VRLA) Sealed Maintenance Free type with AGM (Absorbant Glass Mat) technology. JIS C8707 - Sealed Lead Acid Stationary Batteries (Valve Regulated type) and TEC G/BAT-01/02 Mar 2000 with latest amendments. Valve Regulated Lead Acid Stationary Batteries. Battery shall not require distilled water addition ever and shall suppress generation of hydrogen gas by means of such a system that the oxygen generated at positive plate is absorbed by negative plate by reaction in the battery.

#### **Positive Plates:**

Antimony or Cadmium is not acceptable in positive plate alloy.

To ensure sufficient service life, there shall be sufficient number of Positive Plate with required surface area. Each positive Plate shall be rated not more than 10% of the total Rated Capacity of the battery. For in case of 600Ah battery, each plate capacity shall not be more than 60Ah±5%.

#### **Negative Plates:**

Negative plates shall be designed to match the positive plates and combination of positive and negative plates shall ensure long life with minimum lifetime of five years and trouble-free operation of battery. The negative plates shall be more than the positive plate.

#### **Container and Lid:**

Should be made from polypropylene co-polymer plastics. They shall be sufficiently robust and not liable to deformation under internal operating pressures and within the temperature ranges normally encountered. It should be leak-proof, non-absorbent and resistant to the acid with low permeability. The cells above 500 Ah should have ribbed exterior to facilitate heat dissipation provide mechanical robustness. The container and lid material shall be of FR GradeV0 Poly as per UL94. The container and Lid arrangement has to be 100% Leak Proof.



**Valve:**

Valve shall have

- have explosion proof vent closure.
- be self-releasing pressure regulating type.
- operate on opening & closing pressure between 2 to 6 Psi.
- have flame arrestor to prevent the possibility of external sparks entering the cell.

**Racks/Trays**

Mild steel with powder coating with anti-corrosive paint including base channel plated foundation nuts, 4 bolts etc. The colour of the Racks/Trays shall be as per available standard.

**Terminals:**

Terminals shall be of integral lead terminal with solid copper core suitable for minimum M6 threading inter cell, inter module and inter stack. Bone inter cell connectors & terminals shall be suitably protected by transparent covers.

**Plate Assembly:**

Copper terminal plate (for terminating cables) suited to support equivalent C3 discharge rate shall be provided.

**Connectors:**

The connectors shall be lead plated copper connector. Connector shall be suitably lead coated to withstand corrosion due to sulphuric acid.

**Seal:**

TIG welding shall be done for post sealing. Additional Epoxy resin sealing shall be provided for double assurance against leakage. A certificate on the sealing and the leak rate limits must be enclosed.

**Self-Discharge Rate of Battery:**

Self-discharge rate shall be less than 0.5% of C10 capacity per week at 27 deg. C. The bidder shall provide spec sheet and test data results confirming the same.

**Charging:**

The tenderer shall specify lower optimum voltage to be maintained by chargers to maintain batteries in fully charged condition for minimum water loss and maximum battery life for the systems. The tenderer shall also specify freshening charge requirement if any, for optimum battery life.

**Design Float Life Expectancy of the Battery:**

Design life of the battery shall be around 20 years on float mode and at 27 deg. C. The bidder shall provide spec sheet confirming the same.

**Designed Cyclic Life Expectancy of the Battery at 27 deg C:**

Depth Of Discharge (DOD)	Minimum no of Cycles
20%	4000 Cycles
50%	1800 Cycles
80%	1400 Cycles

*The bidder shall provide spec sheet confirming the same.*





**Capacity of the Battery:**

The capacity of the battery declared at various discharge ratings at various end voltages shall be as hereunder

Period of Discharge	Ah Capacities	Discharge Current (Amps)	End Cell Voltages
10 Hours	600	60	1.75
9 Hours	587	65.3	1.75
8 Hours	570	71.3	1.75
7 Hours	550	78.6	1.75
6 Hours	527	87.9	1.75
5 Hours	499	100	1.75
4 Hours	469	117.3	1.74
3 Hours	430	143.4	1.74
2 Hours	379	189.9	1.7
1 Hour	300	300	1.7

*The bidder shall provide spec sheet and test data results confirming the same.*

**Electrical Characteristics of the Batteries to be Purchased:**

- a. The supplied batteries should be compatible with the following UPS specifications and operating modes.
- UPS-Models are: Vertiv | Liebert® EXM UPS --- 200 KVA , 2 Nos at DC  
Emerson Hi Pulse ( 12 Pulse) --- 160 KVA, 2 Nos at DRC
- Operating modes of UPS: On-line mode (normal operation, emergency operation and by-pass operation), Stand-by ON mode, Smart Active mode, Stand-by OFF mode.
- b. Battery shall be suitable for Constant Current Constant Voltage Charging.
- c. Nominal Float Voltage shall not exceed 2.25 V per cell @ 27 deg.C
- d. Recharging shall be done at normal float voltage.
- e. Charging current shall not exceed 0.15 C, where C is the Capacity in Ah@ 10 hours of discharge end cell voltage 1.75 V @ 27 deg.C
- f. Battery shall not demand boost charging at any point of time during its operation.
- g. Battery shall not demand equalizing charge at any point of time during its operation.
- h. The Ampere Hour Efficiency shall be Minimum 90% and Watt Hour Efficiency shall not be less than 80%. *The bidder shall provide test data results confirming the same.*
- i. The internal resistance of each cell at fully charged condition shall not exceed 0.40 Milli Ohms. *The bidder shall provide spec sheet confirming the same.*
- j. 100% cells shall be tested for leak free performance. *Vendor shall attach a copy of the test report along with the dispatch documents.*

k. Vendor is expected to monitor the voltage and current data of the cells during initial charge and test discharge by means of automatic data logging for traceability. ***Vendor shall maintain the data base of the same and provide the document to WBSEDCL as and when called for and this is binding for contract period.***

l. The vendor shall test the batteries for all parameters specified in this document every year. The batteries should not have lost more than 20% of its initial capacity at the end of contract period i.e till end of warranty period.

**Marking:**

Each cell shall be marked in a permanent manner to indicate the following information.

- Manufacturer's type and trade name.
- Cell number.
- Type of plate.
- Ah capacity at 10 hr rate.
- Type of container.
- Month and year of manufacture / Batch No. etc.,
- Test for C10 Capacity and Voltage During Discharge.
- Ampere Hour and Watt Hour Efficiency Test.

**SW3. Inspection, Testing & Acceptance of the Equipment:**

WBSEDCL may go for third party Testing of batteries if it desires so. Inspection/ Testing may be for all equipment or 10% of total equipment to be supplied. Offer should reach at this end from contractor within 14 days from the date of placement of the LOA. WBSEDCL within 14 days from the receipt of such communication will inspect and check the batteries and provide the required feedback regarding dispatch instruction.

Batteries shall be subjected to test as considered essential by WBSEDCL at the factory premises of OEM prior to issue of necessary dispatch clearance by WBSEDCL. The successful bidder shall provide necessary infrastructure, all necessary test equipment & other facilities (like accommodation, local transport etc.) required by WBSEDCL for the said testing without any extra cost to WBSEDCL.

The contractor shall submit factory test reports of batteries and test results to the controlling officer for availing dispatch clearance.

WBSEDCL may at its discretion engage third Party for factory testing of any Material on behalf of WBSEDCL. The personnel of outside agency, if engaged, shall be considered as the representative of WBSEDCL & the test reports furnished by them shall be binding. However, cost of such engagement of third Party for testing will be borne by WBSEDCL.

In case the item gets rejected by WBSEDCL, the contract may be terminated immediately after serving 15 days' notice to the successful bidder.

All tests and inspection shall be made at the place of manufacturer unless otherwise specially agreed upon by the manufacturer and the WBSEDCL. The manufacturer shall provide WBSEDCL all reasonable facilities, without charge to satisfy him that the material is being supplied in accordance with this specification.





**Tests:- General:-**

The equipment including all components and accessories shall be subjected to all type of tests including Routine and acceptance tests in accordance with provision contained in relevant standard.

**Type Test: -**

The Bidder shall have to submit along with their Tender documents, as pre-requisites, the complete type Test Reports as stipulated in the relevant IS/IEC, carried out within 5 years from the due date of Tender, from CPRI/NABL accredited/Govt. recognized Test House or Laboratory on the offered Item having identical design and same/higher AH rating, failing which their offer may not be technically acceptable.

**Routine and acceptance Tests:** - Routine & acceptance tests shall have to be carried out in compliance with provision contained in the relevant standard and / or to ascertain satisfactory performance of the offered device at the works of the Manufacturer. The acceptance tests shall have to be conducted in the presence of authorized representative of the purchaser.

During the Acceptance at the WBSEDCL premises, the entire Battery Bank will be charged and discharged to a minimum of 3 to 5 cycles to a safe value prescribed by the vendor / supplier / OEM etc., with an external load in the presence of an infrastructure person or team from WBSEDCL. The external load has to be arranged by the supplier.



### **SECTION: III**

#### **General Conditions of Contract [GCC]**

##### **GCC.1. General Terms:**

- GCC.1.1.** The entire project shall be executed on TURN KEY concept.
- GCC.1.2.** The WBSEDCL reserves the right to reject the material, even after delivery, if any deviation from tendered specifications is found in the supplied materials at any point of time.
- GCC.1.3.** The bidder shall submit declaration of OEM (applicable for OES) that they will ensure supply and delivery of necessary material of their make for minimum period of 5 (Five) years. For OEM self-declaration is to be submitted on this matter.
- GCC.1.4.**
- GCC.1.5.** **The Bidder should have an office establishment in Kolkata, West Bengal.**
- GCC.1.6.** For timely completion of the project, WBSEDCL reserves the right to divide/split/modify/cancel the entire job during placement of order without showing any reason whatsoever.
- GCC.1.7.** The bidder has to furnish all the information as required regarding their offer.
- GCC.1.8.** Quotation from any sub-vendor will not be entertained.
- GCC.1.9.** Any form of consortium will not be allowed.
- GCC.1.10.** The bidder shall satisfy WBSEDCL with his ability to perform the service.
- GCC.1.11.** All correspondence, documents and Bid, exchanged between the Bidder and WBSEDCL shall be written in English language. Failure to comply with this request may disqualify a bidder.
- GCC.1.12.** The Company reserves the right, to reject any or all the tenders, at its discretion, without assigning any reason whatsoever.

##### **GCC.2. Force Majeure :**

- GCC.2.1.** The vendor shall be under no liability if the vendor is prevented from carrying out any of the vendor's obligations by reason of war, Invasion, act of foreign country, hostilities, riots, civil commotion, mutiny, accident, earthquake, fires, floods, orders and / or restrictions and other cause beyond the reasonable control of the vendor. However, such force majeure circumstances are to be intimated immediately and to be established subsequently with proper documents / proofs to the entire satisfaction of WBSEDCL.
- GCC.2.2.** WBSEDCL will not take any additional liability towards enhanced taxes, duties and price variation due to force majeure condition.

##### **GCC.3. Cancellation/Termination of Order:** WBSEDCL shall have the right to repudiate the contract if the work is not being performed as per satisfaction and as per "Time Schedule" Clause. The following causes may also lead to cancellation of LOA.

- GCC.3.1.** Non acceptance of LOA as per "Acceptance of LoA" clause.





- GCC.3.2.** Non submission of Performance BG within time.  
**GCC.3.3.** If failed to implement the project.  
**GCC.3.4.** In each above cases 15 days' termination notice shall be issued prior to termination of LOA.  
**GCC.3.5.** If conflict of interest found as per clause no IB38.

**GCC.4. Performance Guarantee:**

- GCC.4.1.** For Supply Delivery Installation and Commissioning of all materials, as contract security, the successful bidder has to furnish a performance Guarantee in the form of Bank Guarantee on non-judicial stamp paper of Rs.100/- by any Schedule Bank in India, as per format enclosed (ANNEXURE-VI). The BG shall be submitted to the CE, IT&C Cell, 3rd Floor, 'D' Block, Bidyut Bhavan, WBSEDCL. As Performance BG, 10% of Contract Price to be submitted within four weeks from the date of issue of LOA. Validity of BG will be 5 (Five) years 6 (Six) months from the date of LOA and claim period will be further 3 (three) months.

**GCC.5. Arbitration & Legal Jurisdiction:**

- GCC.5.1.** During execution of this contract, if any dispute arises thereby, shall be settled amicably between WBSEDCL and yourself to the extent possible.  
**GCC.5.2.** All disputes or differences in respect of which the decision if any has not become final shall be settled by arbitration in accordance with the provisions of the Arbitration and Conciliation Act – 1996 or any statutory modification thereof. The venue of Arbitration shall be Kolkata only.  
**GCC.5.3.** The necessary legal affairs and / or court case shall be exclusively within the jurisdiction of Calcutta High Court only.

**GCC.6. Delivery & Storage of Equipment:**

- GCC.6.1.** E-Waybill may be generated from the vendor's end and must be submitted in hard copy during delivery of the materials otherwise the materials will not be received. The In-charge of DC will issue necessary dispatch clearance. On receipt of necessary clearance, delivery of materials and equipments are to be made at respective locations. Accordingly, delivery challan shall be raised. No equipment shall be delivered to the site without obtaining dispatch clearance. Such materials and equipments, just after receipt would be handed-over to the agency against their receipt duly signed by authorized signatory, for installation purpose. The entire responsibility of proper storage, handling, re-transport actual location of installation and insurance against all risks would be vested with the contracting agency and WBSEDCL will not be responsible for any loss, theft or damage of equipment in any manner whatsoever till the same are installed and commissioned and taken-over by WBSEDCL.  
**GCC.6.2.** The contracting agency will not be permitted to take away such materials / equipment without written permission of the Head of the respective office (CE, IT&C Cell) from the site where such equipment has been delivered. Such materials and equipments are to be taken back by the contracting agency only at the time of installation of the same after clearance given by the supervising officer of work.  
**GCC.6.3.** All supplied items should be certified by respective OEM mentioning sl. no. for the particular LOA which would be placed on successful bidder. The certificate from OEM containing sl. No. of equipment should be submitted





along with Bill "on delivery" as per terms of payment.

**GCC.6.4. All transit risks & costs shall have to be borne by the contractor.**

**GCC.7. Liquidated damage:** The timely completion of entire project as per "Completion Time" Clause is the basic consideration and essence of the contract and WBSEDCL reserves the right to repudiate the contract if the successful bidder fails to complete the work within stipulated period for completion. However, the ordering authority may at his discretion waive this condition with imposition of liquidated damage indicated herein below.

**GCC.7.1. Delay in implementation of the project:** If the successful bidder fails to complete the work within the completion time as stated in the Clause of "Time Schedule", a L.D. at the rate of ½% of the proportionate contract price per day per site of delay or part thereof subject to a maximum of 10% of proportionate Contract price of the LOA shall be imposed on the successful bidder. As it is a turn-key project & mere supply of equipments cannot be construed as completion of work, hence for the purpose of this clause, work will be treated as finished for a particular location only when successful installation, commissioning and trial run and acceptance of the material is complete. Otherwise the total value of material and work for that particular location will be treated as unfinished and L.D. will be calculated on the total value of that location. L.D. if applicable will be deducted from bills on installation & commissioning or from any outstanding bills / bank guarantee lying / to be lying with WBSEDCL.

**GCC.7.2. During Warranty Period:** Failure to set right the malfunctioning or to rectify fault of the system within the schedule downtime as indicated in the "Warranty" clause, a deduction at the rate of 5% (five percent) cost of particular material per day or part thereof subject to maximum of 10% cost of particular equipment will be recovered as L.D. from the contractor. Liquidated Damage, if applicable during warranty period, will be recovered from any outstanding bills / bank guarantee lying / to be lying with WBSEDCL.

**GCC.8. Completion Time:**

**GCC.8.1.** Completion time for execution of the project in turn-key basis shall be 4 (Four) weeks from the zero date (excluding the duration from the date on which the bidder submits request for inspection and testing to the date on which Delivery Instruction is placed by WBSEDCL on the bidder after inspection and testing). The successful bidder shall complete the entire job including delivery of equipment, installation and commissioning within scheduled completion time as stipulated in this clause. Date of placement of LoA shall be considered as zero date.

**GCC.9. Risk Purchase / Performance:** Completion time (Four weeks from Zero date) stipulated in the clause no. "GCC.9 Completion Time" shall be deemed to be the essence of the contract and if the contractor fails to deliver, install and commission the consignment within the completion time i.e. within Four Weeks from zero date, the purchaser shall be entitled to purchase such consignment and if not available the best and nearest available substitute elsewhere on the account and at the risk of the contractor or to cancel the contract and the contractor shall





be liable to compensate for any loss or damage which the purchaser (WBSEDCL) may sustain by reason of such failure on the part of the supplier. Recovery will be made from the outstanding bills and/or through encashment of any Bank guarantee of the contractor lying/ to be lying with WBSEDCL.

**GCC.10. Warranty:**

- GCC.10.1.** The entire items, supplied, installed and commissioned i.e. Batteries and accessories, etc. will have warranty for trouble free operation for a period of 5 (five) calendar years without any extra cost to WBSEDCL, from date of acceptance of material under the LOA. Further, during this period, it will be responsibility of the selected bidder to maintain and support the system fully and ensure proper availability of service. Services necessary for maintenance of all the above shall be bidder's responsibility.
- GCC.10.2.** Service calls have to be attended within the same day. The faults are to be rectified within a period of 24 hrs. in both the location DC and DRC from the time of booking of complaint during the warranty period. For downtime calculation, the day and time on which the call is logged and day and time on which the call is closed will be considered. Sundays & Holidays will also be counted towards calculation of downtime. Replacement of major defective items has to be made within 24 hrs..
- GCC.10.3.** During the warranty period, preventive maintenance of entire system at least once in every three months must be done by the contractor to avoid breakdown / malfunctioning of the system. Site Officer will inform the breakdown / failure of system to the contractor over phone.
- GCC.10.4.** The contractor must maintain 24X7 centralized call registration system and acknowledge each and every call with a unique call docket no., which is to be used for further reference.
- GCC.10.5.** If a battery bank as a whole does not meet the required power/storage requirements as mentioned in this document any time during the warranty period, the vendor must provide replacement and assure quality with the appropriate tests to match the original specifications.

**GCC.11. Limitation of liability:**

Except in cases of gross negligence or willful misconduct:

- GCC 12.1.** Neither Party shall be liable to the other Party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the bidder to pay liquidated damages to WBSEDCL, and
- GCC 12.2.** The aggregate liability of Bidder to WBSEDCL, whether under the Order, in tort, or otherwise, shall not exceed the amount specified in the Contract Price. Provided that this limitation shall not apply to the cost of repairing or replacing defective equipment/solutions, or to any obligation of the bidder to indemnify WBSEDCL with respect to patent infringement.



**GCC.12. Submission of bills for payment:**

**GCC.12.1.** Bills against Delivery, Installation and Commissioning are to be submitted in triplicate with relevant papers and documents to the Chief Engineer, IT & C Cell.

**GCC.13. Terms of Payment:**

**GCC.13.1.** No advance payment will be made against this order in any circumstances for turn-key implementation of entire project.

**GCC.13.2.** Payment shall be made in Indian Rupee only.

**GCC.13.3.** Payment will be released after successful completion of entire work including Supply, delivery of the materials, Installation, Commissioning and Acceptance of material as mentioned in "Scope of Work "and after submission of valid performance BG.

**GCC.13.4.** Xerox copy of GST registration certificate.

**GCC.13.5.** Xerox copy of Order,

**GCC.13.6.** Bills are to be certified by both Controlling and Supervising Officer.

**GCC.13.7.** Bills are to be submitted to the office of the Chief Engineer, IT&C Cell, 3rd Floor, Block-D, Bidyut Bhavan, Salt Lake City, Kolkata – 700091.

**GCC.13.8. On Delivery, Installation ,Commissioning and acceptance:**

**GCC.13.8.1.** 100 % of the material value plus 100% tax on those materials subject to submission of PBG of 10% of the order Value.

**GCC.13.8.2.** Enclosures: Successful Installation and commissioning certificate indicating date of installation and acceptance signed by the concerned Consignee & Supervising Officer.

**GCC.14. Detail Address of Delivery Locations**

a) Central Data Center, WBSEDCL, Behind DLF-1 Building, Beside 33/11 KV Sub Station, Street No:41, Action Area-1, Newtown, Rajarhat.

b) Disaster Recovery Data Centre, Kalikapur Road, Opposite North Bengal State Transport Corporation Bus Stand, Gar Berhampore Murshidabad-742101.

**GCC.15. WBSEDCL personnel for liaison :**

**GCC.15.1. Controlling Officer:**

Addl. Chief Engineer, IT & C Cell. - He would issue the successful completion certificate.

**GCC.15.2. Consignee & Supervising Officer:**

In-charge of DC and In-charge of DRC – They would supervise & monitor all the activities.

**GCC.16. Paying Authority:**

Manager (F&A), Establishment-Corporate, Bidyut Bhawan, WBSEDCL.





**Enclosure:**

1. Annexure-I : Format of Bid Proposal
2. Annexure-II: Mandatory Condition
3. Annexure-IIA: Schedule of Bids
4. Annexure-IIB: Summary statement of average annual turnover
5. Annexure-IIC: Summary statement of Order Executed.
6. Annexure-III: Bid Guarantee-EMD-Format of BG.
7. Annexure-IVA: Undertaking.
8. Annexure-IVB: Letter of Bid.
9. Annexure-IVC: Deviation Schedule.
10. Annexure V : Material Specification confirmation
11. Annexure- VI: Format of Performance Bid Guarantee
12. Annexure VII : Price Bid Format
13. Annexure VIII: MAF (Manufacturer Authorization Form)
14. Annexure IX : GTP

*Shweta Joshi*  
C.E, IT&C Cell  
**WBSEDCL**

*Aon*

**BID PROPOSAL****From**

Bidder's Name and Address :  
Contact person :  
Designation :  
Telephone No.(Land Line & mobile) :  
Fax :  
Tender Reference :

To  
The Chief Engineer,  
IT & C Cell,  
West Bengal State Electricity Distribution Company Limited,  
3<sup>rd</sup> Floor, Block'D', Vidyut Bhavan.,  
Bidhannagar,  
Kolkata- 700 091.

Sub. : Invitation to bid for Supply, Delivery, Installation & Commissioning of  
Battery Banks for UPS at Data Centre Rajarhat and DRC Berhampore  
including 5 years warranty Services.

Dear Sir,

1. We the undersigned Bidder/(s), having read and examined in details the specifications and other documents of the subject Tender, do hereby propose to execute the contract as per specification as set forth in your Bid-Documents.
2. PRICES AND VALIDITY :
  - 2.1. The ex-works prices of all items/equipments and rate of Supply, Delivery, Installation & Commissioning of Battery Banks etc. stated in the bid are FIRM during the entire period of contract irrespective of date of completion and not subject to any price adjustment as per in line with the Bidding Documents. All prices and other terms and conditions of this proposal are valid for a period of 180 (one hundred eighty) days from the date of opening of the bids . We further declare that prices stated in our proposal are in accordance with your bidding.
  - 2.2. We confirm that our bid prices include all other taxes and duties and levies applicable on bought out components, materials, equipments and other items and confirm that any such taxes, duties and levies additionally payable shall be to our account.
  - 2.3. All duties & taxes such as excise duty, sales tax (but not Surcharge in lieu of Sales Tax), Service Tax, Local Tax and other Levies, if any, applicable on transaction





**ANNEXURE-I**

West Bengal State Electricity Distribution Company Limited  
Tender notice No. WBSEDCL/IT&C/33.10(i)/3109 Dated: 08/10/2020

from us to you payable extra by you against production of documentary evidence to be submitted by us.

3. BID GUARANTEE :

We have enclosed a Bid Guarantee in the form of Bank Guarantee from .....drawn in favour of WBSEDCL for an amount of Rs.....

4. DEVIATIONS :

We declare that contract shall be executed strictly in accordance with the specifications and documents except for the deviations, all of which have been detailed out exhaustively in our deviation schedules, in volume irrespective of whatever has been stated to the contrary any where else in our proposal.

Further, we agree that additional conditions, deviations, if any, found in the proposal documents other than those stated in our Deviation Schedules, save that pertaining to any rebates offered, shall not be given effect to.

5. WORK SCHEDULE :

If this proposal is accepted by you, we agree to provide services and complete the entire work, in accordance with schedule indicated in the proposal, we fully understand that the work completion schedule stipulated in the proposal is the essence of the Contract, if awarded. The completion schedule of the various major key phases of the work will be as per time Schedule submitted by us and approved by WBSEDCL in order to maintain the completion time schedule of bid documents.

6. CONTRACT PERFORMANCE GUARANTEE :

We further agree that if our proposal is accepted, we shall provide a Contract Performance Guarantee of value, equivalent to ten percent (10%) of the Contract Price as stipulated in Bid document in the form of Bank Guarantee (Please specify the form of guarantee) in your favour and enter into a formal agreement with you within four weeks from the date of issue of LOA

Dated.....this.....day of.....2020

Thanking you, we remain,

Yours faithfully,

Date \_\_\_\_\_

Place \_\_\_\_\_

(Signature) \_\_\_\_\_

(Printed Name) \_\_\_\_\_

(Designation) \_\_\_\_\_

(Common Seal) \_\_\_\_\_

Business Address:

Name & Address of Authorized Signatory:



**Mandatory Condition**

Sl No.	Requisite Credential	Requisite Supporting document	Submitted Yes/No
1	Annual Turn Over for each of last three consecutive financial years i.e. 2016-17, 2017-18, 2018-19, 2019-20 must be at least <b>05 Crore.</b>	Provide the turnover in a separate sheet ( <b>as per Annexure-IIB</b> ) with Auditor's signature along with following supporting document duly attested i. Audited Balance Sheet for consecutive 3 years as mentioned. ii. PL Account for consecutive 3 years as mentioned.	
2	Financial Capability to handle a single Project of Rs. <b>40 Lakhs.</b>	Statement of orders executed during last Three financial years ( <b>Vide Form-IIC</b> ) i.e for financial years 2016-17, 2017-18, 2018-19, 2019-20	
3	Must have capability of installation and commissioning of batteries for similar UPS as mentioned in the NIE. The Bidder must have a Toll Free Number / contact no for service support where user shall log complaints. The Bidder should have office facility available in Kolkata, West Bengal.	i. Relevant valid ISO Certification ii. Centralized Electronic Call log-in facility along with Toll Free phone no/ contact no . iii. Address of Kolkata Office.	
4	Must have experience of at least two similar projects for Supply, Delivery, Installation and Commissioning of Battery Banks, with Project value not less than <b>25 Lakhs each .</b>	Work order with successful work completion Certificate to be enclosed.	
5	Must have back-end agreement with the OEMs ( for OES) for entire contract period	MAF/ OEM certification. (for OES) For OEM self-declaration is required GTP to be submitted by the bidder.	
6	The bidder should be either OEM (Original Equipment Manufacturer) of the equipment or OES (Original Equipment Supplier) of such OEM (should produce documentary evidence from the OEM in this regard). OEM certification is mandatory for OES.)	In case bidder is not OEM then manufacturer authorisation letter to be submitted.	





West Bengal State Electricity Distribution Company Limited  
Tender notice No. WBSEDCL/IT&C/33.10(i)/3109 Dated: 08.10.2020

Sl No.	Requisite Credential	Requisite Supporting document	Submitted Yes/No
7	The bidder should have its own Engineers for direct support.	List of Engineers details to be enclosed.	
8	Must Comply with all statutory obligations.	Provide the following required nos. in a separate sheet ( <b>as per Annexure- IIA</b> ) duly attested with following supporting documents. i. Copy of PAN Card ii. GST certificate iii. Registration no of the company iv. Relevant valid ISO Certification 9001:2015	
9	The bidder shall have a registered office in Kolkata and having operations in India for the last five years (Certificate of Incorporation).	A documentary proof with complete address details and contact person details and Certificate of Incorporation.	
10	The vendor shall maintain sufficient stock of batteries in West Bengal/ Kolkata at his own cost for a total contract.	Self declaration.	
11	Must comply to the Conflict of Interest clause as per GCC.12	Self declaration	
12	Banker's certificate regarding financial capability issued for any consecutive three financial years within 2016-17, 2017-18, 2018-19, 2019-20	Banker's certificate	

N.B.: Each page of all the documents/copy of certificates should be submitted with attestation by the authorized signatory and with seal & date.

Signature of the bidder with Office Seal



## SCHEDULE OF BIDS

1.	Name of the tenderer with office address Tel No./Fax no./Email address	:		
2.	Address of Kolkata office and Tel no./Fax no./ E-mail address with the name of contact person	:		
3.	Contact Person with Telephone No., Mobile No., E-mail ID and FAX No. of the Bidder	:		
4.	GST registration No.	:		
5.	Earnest Money (Amount and in the form of BG/DD/BC) submitted	:	6	Category of organisation
7.	Details of Earnest Money in BG/DD/BC as submitted:	:	8	Company Registration No.
9.	Details of Tender Fees in DD/BC as submitted:	:		
10.	PAN Card No	:		
11.	Whether agreed to (YES/NO):	:		
	a) Terms of Payment	:	c)	Risk purchase clause
	b) Earnest Money clause	:	d)	Liquidated damage clause
12.	Offer valid upto	:	<b>180 days from the date of opening of Technical Part of the Tender.</b>	
13.	The price should be Firm.	:	<b>The Prices are Firm.</b>	
14.	Whether the bidder has submitted a) GST certificate b) Copy of PAN Card c) Company Registration certificate d) Relevant valid ISO Certification 9001:2015	:		

( Signature and Seal of Tenderer )

Dated-----





**Certificate regarding Summary Statement of Yearly Turnover**

This is to certify that the following statement is the summary of the audit report /tax audit report arrived in favour of ..... for the **any three consecutive** years or for such period since inception of the Firm, if it was set in less than such three year's period.

Sl. No.	Financial		Remarks
	Year	Turnover rounded up to two digit after decimal (Rs. In Lakh)	
1.	2016-17		
2.	2017-18		
3.	2018-19		
4.	2019-20		
Total			

Average Turnover:

Note:

1. Average turnover is to be expressed in lakh of rupees, rounded up to two digits after decimal.
2. Average turnover for 3 years is to be obtained by dividing the total turnover by 3.0 (**any three consecutive** years )

**(Signature with Designation & Seal)**

Dated-----



**STATEMENT OF ORDERS EXECUTED DURING LAST FOUR FINANCIAL YEARS.**

Sl. No.	Work Description	Financial year	Order No. and date	Name order issuing authority	Order Value in Rs.	Scanned Copy of Completion of the order submitted (YES/NO)	Remarks

.....  
(SIGNATURE OF THE TENDERER WITH OFFICE SEAL)

Dated-----

*Amr*



PROFORMA FOR UNDERTAKING TO BE SUBMITTED BY THE BIDDER

(For genuineness of the information furnished on-line and authenticity of the documents produced before Tender Committee for verification in support of his eligibility)

I -----, Partner/Legal Attorney/ Accredited Representative  
of M/s -----, solemnly declare that:

1. We are submitting Tender for the Work -----  
----- against Tender Notice No. ----- dt. -----  
-----
2. None of the Partners of our firm is relative of employee of -----  
----- (Name of the Company).
3. All information furnished by us in respect of fulfilment of eligibility criteria and qualification information of this Tender is complete, correct and true.
4. All documents/ credentials submitted along with this Tender are genuine, authentic, true and valid.
5. If any information and document submitted is found to be false/ incorrect any time, department may cancel my Tender and action as deemed fit may be taken against us, including termination of the contract, forfeiture of all dues including Earnest Money and banning / delisting of our firm and all partners of the firm etc.

(Signature of the Tenderer with Seal )

Dated-----

**Tender Notice No:** WBSEDCL/IT&C/33.10(i)/3109

**Dated:** 08/10/2020

*Am*

**FORMAT OF LETTER OF BID**

**LETTER HEAD OF BIDDER (AS ENROLLED ONLINE ON e-Tendering PORTAL OF NIC)**

To,  
The Tender Committee,

Sub: Letter of Bid for the work  
-----  
-----  
-----  
-----  
-----

Ref: 1. NleT No ----- dated -----

2. Tender Id No. -----

Dear Sir,

We offer to execute the work as per our offered bill of quantity in accordance with the conditions of the NleT document as available in the website. The details of the EMD being submitted by us has been furnished on-line.

This Bid and your subsequent Letter of Acceptance / Work Order shall constitute a binding contract between us.

We hereby confirm our acceptance of all terms and conditions of the NleT document unconditionally.

(Signature of the Tenderer with Seal)

Dated-----

**Tender Notice No:** WBSEDCL/IT&C/33.10(i)/3109

**Dated:** 08 /10/2020

*Amrta*



**Techno Commercial Deviation Sheet**

1. If the proposal has got any deviation from the Technical specification, the bidder shall tabulate those deviations clause by clause.

SI No	Clause No	Description	Deviation offered	Remarks:(+)ve /(-)ve

2. If the proposal has got any deviation from the commercial terms, the bidder shall tabulate those deviations here clause by clause.

SI No	Clause No	Description	Deviation offered	Remarks:(+)ve /(-)ve

Signature of Authorized Signatory with office seal

Name and address of the bidder:

**Note:** When there is no deviation, this sheet is to be submitted with the offer duly signed with an endorsement indicating "No Deviation". Deviations not indicated here will not be taken into consideration.



**Batteries for Purchase**

SL. Nos.	DESCRIPTION OF ITEM	CAPACITY		QUANTITY
		VOLTS	AMPERE HOUR	
1	VRLA STATIONARY BATTERIES: Make : Exide / Amararaja / Panasonic / Rocket / QUANTA	2 Volts	600Ah	816 Nos. 204 Cells / Bank X 4 Nos
All Batteries should be of the same Make, Type, Design and Rating manufactured by the factory during the same period, using the same process and materials.				

Complied (YES/ NO)

.....  
(SIGNATURE OF THE TENDERER WITH OFFICE SEAL)

Dated-----

**Batteries for Buy-Back**

SL. Nos.	DESCRIPTION OF ITEM	CAPACITY		QUANTITY
		VOLTS	AMPERE HOUR	
1	VRLA STATIONARY BATTERIES: Make : Exide	2 Volts	600Ah	816 Nos. 204 Cells / Bank X 4 Nos

Removal of OLD / scrap batteries under a buy-back offer must be in the scope of supplier. Handing over the scrap batteries to a suitable Lead Recycler in adherence with the notification of the Government of India in the Ministry of Environment and Forests was published in the Gazette of India, Extraordinary, Part II-section 3 the Batteries (Management and Handling) Rules, 2001.

.....  
(SIGNATURE OF THE TENDERER WITH OFFICE SEAL)

Dated-----





**PROFORMA FOR BANK GUARANTEE FOR CONTRACT PERFORMANCE**  
(To be stamped in accordance with Stamp Act)

Bank Guarantee No. \_\_\_\_\_

Ref No. \_\_\_\_\_

Date : \_\_\_\_\_

To

The West Bengal State Electricity Distribution Company Limited,  
Vidyut Bhavan, Salt Lake,  
DJ Block, Sector-II,  
Kolkata - 700 091 (India).

Dear Sir,

In consideration of West Bengal State Electricity Distribution Company Limited (hereinafter referred to as WBSEDCL) which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns having awarded to M/s \_\_\_\_\_ with its Registered/Head Office at \_\_\_\_\_ (hereinafter referred to as the 'Contractor') which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns, a Contract by issue of Order No. \_\_\_\_\_ dated \_\_\_\_\_ valued at \_\_\_\_\_ for \_\_\_\_\_ (Scope of Contract) and the Contractor having agreed to provide a Contract Performance Guarantee for the faithful performance of the Service to \*---- % (percent) of the value of the Contract value vide Order No. \_\_\_\_\_ Date \_\_\_\_\_ (reference of original order), against Contract to WBSEDCL.

We \_\_\_\_\_ (Name and Address) having its Head Office at \_\_\_\_\_ hereinafter referred to as the 'Bank') which expression shall, unless repugnant to the context or meaning thereof include its successors, administrators, executors and assigns do hereby guarantee and undertake to pay WBSEDCL, on demand any and all moneys payable by the Contract to the extent of \_\_\_\_\_ as aforesaid at any time upto (day/month/year) without any demur, reservation, contest recourse or protest and or without any reference to the Contractor. Any such demand made by WBSEDCL on the Bank shall be conclusive and binding notwithstanding any difference between WBSEDCL and the Contractor or any dispute pending before any before any Court, Tribunal or any other Authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of WBSEDCL and further agrees that the guarantee herein contained shall continue to be enforceable till the WBSEDCL discharges this guarantee.

WBSEDCL shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time extend the time for performance of the Contract by the Contractor. WBSEDCL, shall have the fullest liberty, without affecting this guarantee to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Contractor and to exercise the same at any time and any manner, and either to enforce or to forbear to enforce any covenants, contained or implied in the Contract between WBSEDCL and the Contractor or any other course of remedy or security available to WBSEDCL. The Bank shall not be released of its obligations under this presents by any exercise by WBSEDCL of its liberty with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of WBSEDCL or any other indulgence shown by WBSEDCL or by any other matter or thing whatsoever which under the law would but for this provisions have the effect of relieving the Bank.

The Bank also agrees that WBSEDCL at its option shall be entitled to enforce this guarantee against the Bank as a Principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that WBSEDCL may have in relation to the contractor's liabilities.

Notwithstanding anything contained herein above our liability under this guarantee is restricted to \_\_\_\_\_ and shall remain in force up to and including \_\_\_\_\_ and shall be extended from time to time for such period, as may be desired by M/s. \_\_\_\_\_ to whose behalf this guarantee has been given.

All rights of WBSEDCL under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities there under unless the WBSEDCL enforce a claim under this guarantee against the Bank within three months from the above mentioned date or from the extended date.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2020 at \_\_\_\_\_

Witness :

(Signature)

(Signature)

(Name)

(Name)

(Official address)

(Designation with Bank Stamp)

Attorney as per Power of

Attorney No. \_\_\_\_\_

Date \_\_\_\_\_

Tender Notice No: WBSEDCL/IT&amp;C/33.10(i) /3109

Dated: 08.10.2020

# Item Rate BoQ

Validate Print Help

Tender Inviting Authority: Chief Engineer, IT&C Cell, WBSEDCL

Annexure-- VII

Name of Work: Supply, Delivery, Installation & Commissioning of Battery Banks for UPS at Data Centre Rajarhat and DRC Berhampore including 5 years warranty Services.

Contract No: WBSEDCL/IT&C/33.10(i)/3109 Dated : 08/10/2020

PRICE SCHEDULE																		
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )																		
NUMBER	Sl. No.	TEXT #	Item Description	NUMBER #	Quantity	TEXT #	Units	NUMBER #	Quoted Basic price in INR Rs. P	NUMBER	GST ( %)	TEXT	HSN / SAC Code	NUMBER #	TOTAL AMOUNT In Figures	TOTAL AMOUNT In Words	TEXT #	
1	1	2	2V DC, 600 AH SMF VRLA Batteries	13	4	5	No	14		18				53	0.00	INR Zero Only	55	
2			Installation charges for 4 Battery Bank		1	LS								0.00	INR Zero Only			
3			2V DC, 600 AH SMF VRLA Batteries Buy Back Price		816	No								0.00	INR Zero Only			
15			Mention GST (%) and HSN/SAC Code Properly. (Not required for Buy Back )															
Total In Figures																0.00	INR Zero Only	
Quoted Rate in Words											INR Zero Only							



Manufacture's Authorization Form (MAF)

ANNEXURE-VIII

Date: \_\_\_\_\_

Tender Reference No. & Tender ID. \_\_\_\_\_

Dear Sir,

We \_\_\_\_\_ (OEM) who are established and reputed manufacturers of \_\_\_\_\_ (Equipment) having Factories at \_\_\_\_\_ and \_\_\_\_\_ confirms that, M/s. \_\_\_\_\_ (Name and address of Bidder herein after called as partner) wishes to participate the Bid or Project stated above and enter into agreement for the purchase and resale of \_\_\_\_\_ (OEM) Products and, Service. The Partner is entitled and authorized to the following.

(a) Resale, and/or distribute \_\_\_\_\_ (OEM) products and/or services in India to end users within that Territory.

(b) Bid, negotiate and conclude a contract with \_\_\_\_\_ for the above products/services manufactured or supplied by \_\_\_\_\_ (OEM).

\_\_\_\_\_ (OEM) will, within the scope of its agreement with its authorized channels, provide product warranty services and technical support for \_\_\_\_\_ (OEM) products obtained through its authorized channels for a defect liability period mentioned in the Tender document referred above, from the date of installation at \_\_\_\_\_ (Work-site name).

\_\_\_\_\_ (OEM) certify that, the equipment being sold would not be declared End of Sale (EoS) within defect liability period and that \_\_\_\_\_ (OEM) shall supply suitable substitute in case EoS of equipment. Also \_\_\_\_\_ (OEM) certifies that the products being sold would be covered under Warranty/Technical Support and technical support will be available for defect liability period from the date of installation at \_\_\_\_\_ (Work-site name).

If you need any additional information, please contact Mr./Ms. \_\_\_\_\_ at \_\_\_\_\_ (Mobile No.) of \_\_\_\_\_ (E-mail ID).

Yours faithfully,

Name of the person:  
For and on behalf of M/s.

Designation:

Contract Details:

Date:

Place:

(Name of Original Equipment Manufacture- OM) (Seal of OEM)

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**GUARANTEED TECHNICAL PARTICULARS (GTP)**

Sl No.	Particulars	Details		
1.	Name and Address of the Manufacturer			
2.	Application standards			
3.	Type & Designation as per standards			
4.	Manufacturer's type and designation			
5.	Capacity and voltage at 27°C a) At 10hrs. rate of discharge b) At 5hrs. rate of discharge c) At 3 hrs. rate of discharge d) At 1 hrs. rate of discharge e) At 1 minute rate of discharge	AH	WH	FINAL VOLTAGE (v)
6.	Cell details a) No. of cells per battery b) No. of positive plates per cell c) Total no. of plates per cell: d) Type of positive plate: e) Type of negative plate: f) Surface area of plate in sq.mm: g) Construction details and dimensions of i) Positive plate ii) Negative plate			





	<p>h) Rated current of each positive plate:</p> <p>i) Construction details of separators including thickness, type and material</p> <p>j) Container details:</p> <p>i) Material of container</p> <p>ii) Overall dimensions of container in mm</p> <p>: Length</p> <p>: Width</p> <p>: Height</p> <p>k) Overall dimension of cell in mm (including Cell height)</p> <p>l) Weight of each of cell in kg.</p> <p>a) Without Acid</p> <p>b) With acid</p> <p>m) Clearance in mm between:</p> <p>i) Top of plates and top of container</p> <p>ii) Bottom of plates &amp; bottom of container</p> <p>ii) Edges of plates &amp; inner surfaces of container</p> <p>n) Cell Lid details:</p> <p>i) Material</p> <p>ii) Type</p> <p>iii) Feature</p>	
7.	<p>Electrolyte details:</p> <p>i) Applicable standard of electrolyte</p>	

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	<p>ii) Quantity of Electrolyte &amp; Specific gravity at 27°C for first filling in each cell</p> <p>iii) Quantity of Electrolyte required for 15 nos. Plante type lead acid cell plus 10% extra</p> <p>iv) Specific gravity of electrolyte at 27 °C with all cells fully charged</p> <p>v) Specific gravity of electrolyte at the end of 10 hour of discharge rate</p>		
8.	<p>Cell Pillars &amp; Connectors :</p> <p>i) Material</p> <p>ii) Type</p> <p>iii) Dimension details in mm</p> <p>iv) Details of inter row inter tier connectors including bolts, nuts and washers.</p>		
9.	<p>Battery Stand: ( If Required)</p> <p>1) No. of racks</p> <p>2) No. of cells per rack</p> <p>3) Formation of row and tier details</p> <p>4) Material of stand</p> <p>5) Particulars of anti-sulphuric paint to be provided</p> <p>6) Type and no. of stand insulator to be provided</p>		
10.	Nominal cell voltage in volts:		
11.	<p>Recommended rate of first charging battery cells</p> <p>1) Current in amps</p> <p>2) Voltage in volts</p>	<b>Start</b>	<b>Finish</b>

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	3) Total minimum input during initial charging in AH		
12.	Recommended float charge rate		
13.	Recommended float charge voltage across the battery terminals		
14.	Recommended boost charge voltage across the battery terminals		
15.	Guaranteed AH efficiency at 10 hr. rate of discharge		
16.	Guaranteed WH efficiency at 10 hr. rate of discharge		
17.	Internal Resistance of charged cell in milli ohm		
18.	Resistance of the charged battery including inter connector between the cell in ohms		
19.	Short Circuit Current for dead short circuit across the battery terminals when  1) Battery in floating mode  2) Battery in boost charge mode		
20.	Cell voltage characteristics curves during charging at 0.5,1.0 and 1.5 times normal rate		
21.	Battery layout arrangement		
22.	List of accessories to be provided with battery		

Date:

Signature:

Place:

Name:

Name of the Company:

Seal of the Company:

