Indian Bank



INDIAN BANK ZONAL OFFICE GHAZIABAD ZONE UTTER PARDESH

PART - I

TECHNICAL BID

TENDER DOCUMENT FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 62.5 KVA DG SET FOR INDIAN BANK AT PLOT NO E-16B / 1, SECTOR-30, NOIDA, UTTER PRADESH.

ISSUED TO

M/s.

ARCHITCT

M/S VASTU SADAN PVT LTD 122A/12, GROUND FLOOR, GAUTAM NAGAR, NEW DELHI-110049

ELECTRICAL CONSULTANT

M/S R A MALIK & ASSOCIATES 17A/10, ROOM NO.-301, AJMAL KHAN, KAROL BAGH, NEW DELHI-110005

This document contains 55 pages



GHAZIABAD ZONE

PART - I TECHNICAL BID CONTENTS

SL. NO.	DESCRIPTION	PAGE NO.
1.	Notice of Invitation to tender	3-7
2.	Tender Declaration	8-9
3.	Special Conditions of Contract	10-14
4.	Articles of Agreement	15-18
5.	General Conditions of Contract	19-41
6.	Technical Specifications for DG set with standard control panel	42-50
7.	Guaranteed Technical Specifications for 62.5 KVA DG set with Standard Control Panel	51-52
8.	List of Approved make of Materials	53
9.	Bank Guarantee format towards EMD	54-55



NOTICE INVITING TENDER FOR SITC OF 62.5 KVA DIESEL GENERATOR SET FOR INDIAN BANK AT PLOT NO. E-16B/1, SECTOR-30, NOIDA, UP.

Sealed tender on **item rate basis** under two bid systems are invited from the Tenderers who qualifies the minimum eligibility criteria subsequent to press advertisement for the work of Supply, Installation, Testing & Commissioning of 62.5 KVA DG Set for Indian Bank Plot No. E-16B/1, Sector-30, Noida, UP.

The documents (Both Technical and Price Bid) can be down loaded from Bank's web site www.indianbank.in/tenders. The tender shall be of two cover system / two bid system.

Part 1:- Technical Bid document containing Technical specifications, qualifications, general conditions of contract etc.

Part 2:- Price Bid

The cost of tender document Rs. 1000/- (Rupees One Thousand Only) (Non-refundable) shall be enclosed in the form of DD favouring "Indian Bank, Zonal Office, Ghaziabad, UP payable at Ghaziabad along with Technical Bid Documents.

The EMD for Rs.15,000/- in the form of D.D favouring "Indian Bank, Zonal Office, Ghaziabad or Bank guarantee from any scheduled Bank in favor of Indian Bank, Zonal Office, Ghaziabad shall be enclosed **along with Technical Bid Documents**. Tenders submitted without EMD and Tender Cost will be rejected.

The tenders in DUPLICATE **along with enclosures** should be submitted in two separate sealed covers each with the superscription giving the Name of the work.

The first cover super-scribed as "**Technical Bid**" should contain Technical Bid document (in duplicate) along with cost of Tender for Rs. 1000/- and EMD for Rs.15,000/- in the form of Demand Draft / BG (Part I).

Also the cover should contain all the technical pamphlets, literatures of the diesel engine, alternator and other features of the DG Sets and such other details / data required for the technical evaluation of the entire system offered. (It is essential that any technical information considered useful should be furnished at the first instance itself in this envelope and at latter date any additional or supplementary information shall not be entertained unless it is found necessary and sought by the Indian Bank in form of written clarification to clear any pertinent doubts).

The second Cover super scribed as "**Price Bid**" should contain Price Bid (in duplicate) and should be submitted on the same given date and time simultaneously along with Technical Bid. Non submission of the same along with Part I shall automatically render the entire tender being rejected. This envelope should contain duly filled in Bill of quantities (enclosed in the

tender document) with values written in words and figures, and as detailed elsewhere in the tender documents.

Both the above sealed covers (Part I & Part II) shall be submitted together in a *common* sealed cover with the superscription giving the Name of the work.

Salient Features of Contract:

Estimated Cost of Work (approx)	Rs lakhs		
Earnest Money Deposit (approx.2% of estimated cost of work)	Rs.15,000/- (refundable) by crossed demand draft Payable at Ghaziabad and drawn in favor of Indian Bank, Zonal Office, Ghaziabad or Bank Guarantee from any scheduled bank in favour of Indian Bank, Zonal Office, Ghaziabad, UP.		
Retention Money Deposit (RMD)	5% of the each Bill Amount		
Initial Security Deposit	7% of the total contract price (2% EMD + 5% RMD)		
Defects Liability Period	12 Months from the date of virtual completion		
Date of Commencement	7 days from the date of issue of Work Order / letter of intent or date of which the site is handed over whichever is later.		
Date of Completion	30 days from the date of issue of Work Order / letter of intent or date of which the site is handed over whichever is later.		
Liquidated Damages for Delay	1% per week of the Contract Value for intermediate and final deadlines subject to maximum total of 10% of Contract value.		
Frequency of Interim Certificate	On delivery of material at site		
Period of honouring certificate for interim payment against each running bill by Indian Bank	15 days from the date of receipt of Bill payment recommendation from Architect.		
Period of honouring Final Bill	Four weeks from the date of receipt of Bill payment recommendation from Architect.		
Dates for down loading the Tender	From 24-06-2016		
Date of Pre Bid Meeting	At 3:30 PM on 04-07-2016		
Last date and Time of Submission of tenders	Before 3.00 PM on 07-07-2016		
Opening of Technical Bid with EMD	3.30 PM on 07-07-2016		
Opening of Price Bid			

- ➤ Validity of offer shall be 90 days from the date of opening of tender (Technical Bid).
- A pre-bid meeting will be held at 3:30 PM on 04/07/2016 at the Zonal Office, Ghaziabd, UP to give clarifications and decisions in connection with any issues or doubts raised by the tenderers. The tenderers should send a list, in duplicate, of any clarifications or decisions they need, so as to reach the Employers' offices not later than 5 PM on 02/07/2016. The purpose of the pre-bid meeting is to ensure that the bids will be submitted without any conditions and to clarify all issues raised by the Tenderers. The rates quoted by the

tenderer shall be based only on the specifications and conditions of the tender documents. Any conditional tender will be rejected by Indian Bank.

Note:-

- 1) The tender without complete information and accepted photocopies of documents in support of fulfilling the Pre-qualification criteria will not be entertained.
- 2) If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to debarred from tendering / taking up the work in Indian Bank.
- 3) The Bank reserves the right to verify the particulars furnished by the applicant independently.
- 4) Short- listing of Tenderers will be finalized after inspection of works and obtaining confidential reports from previous employers for only those firms who fulfill the aforesaid Pre-qualification criteria and that specified in Technical bid.
- 5) The tenderer shall take care to price his tender rationally. Extreme under pricing or overpricing in item rates total amount will be considered adversely in the assessment of tenders. The tenderers shall on demand submit analysis of rates of some items of work if so required by the Employer.
- 6) The Employer is not bound to accept the lowest tender and reserves the right to accept or reject any or all tenders, either in whole or in part, without assigning any reason for doing so.

Eligibility criteria

 The Tenderers shall be themselves manufactures / authorized dealers of manufacturers who have executed the work of supply, installation, testing and commissioning of generator work at Government, Public Sector Undertakings / PSBs and reputed business organizations.

- 2. The tenderers shall produce the following documents duly attested along with tender documents.
- 3. Audited financial statement consisting of financial turnover and profit & loss account for the past 3 years. Those tenderers who have achieved annual turnover of at-least Rs lakhs each in all the past 3 years (April 2013 to March 2016) are only eligible to tender for the work. The tenderer should not have incurred loss during the last 3 years (shall be submitted in the below format)

SI. No	Financial Year	Sales (in Rs.)	Net Profit (in Rs)
1	2015-16		
2	2014-15		
3	2013-14		

- 4. The tenderer shall have minimum of 5 years experience in supply, installation, testing and commissioning of generator work. The tenderer shall produce the details of work done and enclose work orders / agreements and satisfactory work completion certificate in each one of the last 7 years.
- 5. The tenderer should have a solvency for an amount Rs 3,00,000 Lakhs (40% of estimated value of works) duly issued by any Scheduled bank obtained on or after 31.03.2016 and enclose copy of the same.
- 6. The tenderer should have after sales service unit at NOIDA. The contact details should be given.
- 7. The tenderer should have supplied DG sets with capacity 62.5 KVA and above of (a) Three works each costing not less than the amount equal to 40% of the estimated cost or (b) Two works each costing not less than the amount equal to 50% of the estimated cost or (c) One work costing not less than the amount equal to 80% of the estimated cost under single agreement during the last 5 years ending with 31.03.2016
- 8. The tenderer shall produce copies of Work orders and Completion Certificates for the works claimed under eligibility criteria as a proof of having completed the job (item 6 of above) in the following format.

SI. No	Name of the work executed	Work order reference	Year of execution	Amount of order

9. I.T.C as per the Clause No. 13 of special conditions of contract.

ZONAL Manager

Indian, Bank, Zonal Office, C-69, RDC, Rajnagar District Centre, Ghaziabad, UP

TENDER DECLARATION

I/We have read and examined the notice inviting tender, Schedules, applicable specifications, drawings, Conditions of contract and other documents and rules referred to in the conditions of contract and all other contents in the tender documents for the work.

I / We hereby submit tender for the execution of the work specified by **Indian Bank**, **Zonal Office**, **C-69**, **RDC**, **Rajanagr District Centre**, **Ghaziabad**, **UP** within the time frame specified in the tender and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in General conditions of contract.

We agree to keep the tender open for 90 days from the due date of opening of Tender (Technical Bid) thereof and not to make any modifications in its terms and conditions.

A sum of Rs/- is enclosed in the form of demand draft / Bank Guarantee towards EMD.

I/We hereby declare that I / we shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate the information derived there from to any person other than a person to whom I / we am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the state.

Dated :	Signature of the tenderer
Witness Signature	
Name :	
Postal Address :	
Occupation	

DECLARATION

(TO BE GIVEN BY THE APPLICANT WHO HAVE DOWNLOADED THE TENDER DOCUMENT FROM THE WEB)

It is to certify that

- 1. I / We have submitted the Tender document in the proforma as down-loaded directly from the web site & there is no change in formatting, number of pages etc.
- 2. I / We have submitted Tender document which are same / identical as available in the website.
- 3. I / We have not made any modification / corrections / additions etc in the Tender documents downloaded from web by me / us.
- 4. I / We have checked that no page is missing and all pages as per the index are available & that all pages of Tender document submitted by us are clear & legible.
- 5. I / We have signed (with stamp) all the pages of the Tender document before submitting the same.
- 6. I/ We have sealed the Tender documents properly before submitting the same.
- 7. I/We have submitted the cost of Tender document.
- 8. I /We have read carefully & understood the instructions to all the applicants & to the applicants who have down-loaded the Tender document from the web.
- 9. In case at any stage later, it is found that there is difference in our downloaded Tender documents from the original, BANK shall have the absolute right to take any action as deemed fit without any prior intimation to me / us.

Dated:	Signature(s) of applicant(s)

SPECIAL CONDITIONS OF CONTRACT

1. Scope of Work:

The scope of work for the purpose of this tender constitutes Supply, Installation, Testing and commissioning of 62.5 KVA DG set for Indian Bank Plot No. E-16B/1, Sector-30, Noida, UP. The works should be carried out in accordance with the "Drawings and Schedule of quantities, Specification, contract conditions".

2. Price Basis :-

- a. The unit rates mentioned in schedule of rates shall remain firm and shall not be subjected to any escalation throughout the currency of the contract.
- b. The quoted rates shall be inclusive of supply of all materials required for completing the item works.
- c. Payment shall be made on the actual quantum of work executed, duly accepted by Engineer-in-Charge.
- d. The rates quoted shall be based on laws, levies, taxes and excise duties applicable on the date of LOI. Any Statutory Variations thereto and / or new levies due to an act or enactment, after the date, shall be to the Employer's account against documentary evidence within the contractual completion date. Any such variation / imposition of new taxes and levies beyond the contractual completion date shall be to the Tenderer's account.
- e. The Tenderer shall clearly indicate every element of taxes, duties, levies and cess considered in the quoted price.
- f. Tenderer shall satisfy himself on the applicability of various taxes, duties, levies, octroi, including sales tax, Service tax, works contract tax, turnover tax, VAT, etc. as applicable for such work and quoted prices shall be inclusive of all such liabilities. Employer shall not be liable to any liability of the Tenderer on this account. Tenderer shall periodically produce documentary proof for having fulfilled the above obligations in time, including proof of payment, proof of filing of returns, etc. failing which Employer reserve the right to take appropriate action at the cost and consequence of the Tenderer. Service Tax, Education Cess and Secondary & Higher Education Cess, as applicable at the prevailing rates, shall be shown separately in Tenderer's Bills.
- g. Income Tax, at applicable rates, shall be deducted from the Tenderer's Bills, as per Income Tax Act and TDS Certificate issued thereof.

3. Terms of Payment:

Progress Payment:

1. 60% of value of Contract / Interim bill value on receipt of materials at site and against submission of invoice, duly accepted by Indian Bank, subject to deduction of 5% towards retention money.

- 2. 30% of the contract value upon the completion of erection and Commissioning and on submission of all statutory approvals and NOC from relevant statutory Authorities & submission of invoice subject to deduction of 5% towards retention money,
- 3. Balance Amount (10%) shall be released after 10 days of test run & on submission of all invoice duly accepted by Indian Bank subject to deduction of 5% towards retention money,.
- 4. 50% of both retention money deducted, as stated above and EMD shall be released on successful commissioning of the DIESEL GENERATOR SET and on receipt of all final technical documents and all relevant statutory approvals against submission of the following:
- > Invoice duly accepted by Indian Bank/ Engineer-in-Charge
- > "NO CLAIM" certificate
- 5. Employer may withhold payment on account of any defect / deficiency in the work already executed and payment released, based on subsequently discovered evidence, failure to make payments to Sub-Tenderers, damage caused by the Tenderer to Employer's property, properties of other agencies within the premises, unfulfilled statutory obligations, etc.

4. Effective date, Time schedule and Liquidated damages for delay:

- a. The date of issue of Work Order / letter of intent or date of which the site is handed over whichever is later shall be deemed as the "Effective Date" of contract.
- b. The entire work covered under the contract shall be completed in all respects within 30 days from the Effective Date.
- c. Time is the essence of this project and hence completion schedule of 30 days should be strictly adhered to.

5. Measurement:

- a. The Quantities set out in the schedule of items and rates are estimated quantities of work. The final quantities of work executed by the Tenderer in fulfillment of his obligations under the contract shall be jointly measured by the Tenderer and the Employer's. The Employer will be final authority for the measurement relating to bills.
- b. The intending tenderers are also required to make their own assessment of adequacy and correctness of the quantities before submitting their tenders.

6. Responsibility:

a. Employer reserve the right to inspect the Diesel Generator set etc. at the Manufacturer's / Tenderer's Works as per the technical specifications.

- b. However, such inspection shall not absolve the Tenderer of his responsibility to supply the materials in the required quantities and carry out the work as per technical specifications.
- c. Unless otherwise specified in the contract / Work order / Purchase Order, the completion of work shall not be deemed to have been achieved until all the works required to be carried out under the contract have been completed to the entire satisfaction of the Employer, in all respects.
- d. It is the responsibility of the Tenderer to obtain all statutory approval from statutory authority related to scope of work in the tender and handover to the Employer.

7. Progress Report:

The Tenderer shall submit to the Employer once in a week progress report for the previous period showing up-to-date cumulative progress and progress during the preceding period alone on all progress items of each section or portion of the works in the proforma prescribed by the Employer.

8. <u>Tenderer's Engineer:</u>

The Tenderer shall keep qualified and experienced Engineers for full time during execution of work for entire Contract.

9. Equipment:

The Tenderer shall make his own arrangement to procure all constructional plant and equipment for his work. He shall also submit with the tender, the type and number of different equipments with their capacities in good working conditions, which he will use on the site to ensure completion of the work in specified time. All materials, construction plant and equipment etc., once brought by the TENDERER on the site are not to be removed from there without the written approval from the Employer.

10. Extra Items:

- a. Extra items, if any, shall be paid on the basis of analysis of rate of cost of materials and labour produced by TENDERER, and the item-rates agreed upon with the Employer.
- b. The execution of extra item is compulsory in order to complete the project work. In case the Tenderer fails to execute extra item, Employer will have the right to execute these items through other agency / agencies at the risk and cost of the Tenderer.
- c. While arriving at the agreed rate of extra items, the Plant & Machinery / Overheads / profit shall be considered to the tune of 15% of cost of materials and labour.
- d. Employer reserves the right to verify the price of material through market survey.

11. Guarantees / Liabilities:

a. The Installation including all components and accessories shall be guaranteed for a period of 2 years from the date of virtual Completion of the same against defective material, shortfall in performance and faulty workmanship. The Tenderer shall immediately make free replacement of any of the parts or components that might go out of order within this period and Indian Bank's decision in this regard will be final and binding on the Tenderer. Free maintenance shall be provided during the guarantee period.

b. The work shall be carried out in a workmanlike manner.

12. Work Front:

- a. Work front for the Tenderer may / may not be guaranteed throughout the pendency of the contract, especially during monsoon. No compensation will be paid for idle labour hours and other incidental charges. Tenderer may suitably arrange requisite labour / manpower / equipment to meet the requirement of lean period, if any.
- b. The Tenderer have to execute the work in such place and condition where other agencies will also be engaged for other works, such as mechanical, electrical, instrumentation work, etc. No claim shall be entertained due to work being executed in the above circumstances. The Tenderer should ensure that there is no interference with the work of other agencies at Site.

13. INCOME TAX CLEARANCE (I.T.C) CERTIFICATE

Attested copy of the latest Income Tax Clearance Certificate in the proforma prescribed by the Government of India should be attached with the bid document. The I.T.C. Certificate should be in the name of the firm/individual who has quoted for the tender. In the absence of the above clearance certificate, Tenderer may not be awarded the work tendered for, in the light of government directives/instructions in this regard.

14. INSURANCE

- a. Tenderer shall obtain and maintain any and all necessary insurance cover for the entire work up to Virtual completion date, that may be required under any law or regulations applicable, including but not limited to the following:
- > Tenderer's All Risk Policy, for Tenderer's Scope of Work.
- > All materials and Tenderer's own machinery, equipment, tools & tackles, vehicles, etc.
- > Third Party liability.
- Workmen Compensation
- > ESIC
- Employer's Liability
- b. The quoted price shall be inclusive of all costs for such insurance coverage. In all such policies, Employer shall be made 'Co-insured'. Also other Tenderers, working at the Site, be covered under the policy. The Third party insurance shall be for a sum of Rs 5.00 lakhs per accident.

15. **COMPLETION TIME**:

Tenderer shall complete the entire work within 30 days from the date of issue of Work Order / letter of intent or date of which the site is handed over whichever is later. During the above time frame, the tenderer should also obtain required approvals from CEA and other statutory authorities.

16. GENERAL

- a. These Special Conditions of Contract (SCC) shall be read in conjunction with the terms and conditions stipulated in the General Conditions of Contract (GCC). However, if there is any contradiction between the terms and conditions mentioned in this SCC and those in the GCC, stipulations of SCC shall prevail to that extent.
- 17. If L1 bidder withdraws then Bank reserves the right to award the contract to L2 bidder at L1 bidder's rate if L2 accept for the same.
- 18. The Bank is at its discretion to extend the tender for additional DG sets if need be

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ARTICALS OF AGREEMENT

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2) Contract Price, Taxes and Payment Terms:

3) Completion Period:

Time is the essence of the Contract. The work is to be completed in all respects within **30** days from the date of receipt of the Work Order /letter of intent by the Tenderer or handing over of site whichever is later. If the Tenderer fails to complete the job within the agreed time period the Tenderer will have to bear liquidated damages as per the relevant clause mentioned in the Tender Documents.

4) Earnest Money:

The Tenderer has deposited Bank Guarantee / Demand Draft for an amount of **Rs. 14,000**/- (**Rupees Fourteen Thousand only**) as earnest money.

5) Inspection of Site:

The Tenderer has inspected the site before submitting his tender and has satisfied himself as to the nature of the work to be executed on the site. Any difficulties which the Tenderer may come across in the course of the work shall in no way entitle the Tenderer to claim or receive extra payment unless the Employer is of the opinion that such difficulties could not have been foreseen and the Employer consents in writing.

6) Supply of Material and Labour:

The Tenderer shall arrange all labour, materials, equipments, tools, tackles and everything necessary for the completion of the work. The Tenderer will assume all responsibility for the safety, protection and accounting of all material and equipment and the work during construction. All materials used by the Tenderer shall be of the best quality conforming to the required specification mentioned in the tender document and will be subject to the approval of the Employer. All such materials not approved by Employer shall be removed at once by the Tenderer at his own expense. The Tenderer shall also at his own expense arrange for carrying out any test of materials which the Employer may from time to time require or if so desired by the employer.

7) Defective Work / Materials:

If any part of the work done by the Tenderer is found defective in workmanship or if bad or inferior materials have been used the Tenderer shall at his own risk and cost demolish all such defective work and rebuild the same and / or replace the bad or inferior materials used within a time frame mentioned to the satisfaction of the 'Employer'. The decision of the Employer in this

regard shall be final and binding on the Tenderer. In case of default of the Tenderer to remove the defective work and rebuild the same or replace bad or inferior materials as directed by the Employer, the Employer shall be entitled to employ anyone else to carry out the same at risk and cost of the Tenderer and recover all expenses incurred in this regard from the Tenderer.

8) Inspection of Work:

During progress of the work the Employer's authorized representative shall be entitled at all times to have access to and inspect the work. If the work is inspected by the any Government/ Bank's authorized persons, the Tenderer will fully co- operate and extend all help to meet the observations.

9) Supervision:

The Tenderer shall provide one or more competent and technically qualified engineers duly and fully authorized to act on his behalf in all matters relating to the works to be carried out under or any other matter concerning this agreement and who shall at all times be present at the works while any work is in progress as per directions, explanations & instructions of Employer.

10) Compliance with Statutory Regulations & Work Rules:

The Tenderer shall be responsible for complying with the applicable laws / bye laws / Regulations in force from time to time and shall have to bear all statuary liabilities to the workers / personnel engaged for the job. Nothing will be paid extra in this regard. If any amount is paid by the Employer in this regard the same amount shall be deducted from the Tenderer's dues. The Tenderer shall have to arrange insurance cover for the workers / personnel engaged by him for the job.

11) Determination of Contract:

In the event of Tenderer failing to keep / adhere to agreed schedule of work, or in the event of the Tenderer failing to comply with the provisions of this contract by default and / or negligence and / or suspension of work or in the event of Tenderer failing to complete the work within the stipulated period, the Employer may terminate this Agreement forthwith and employ, at the Tenderer's risk and cost, another Tenderer or sufficient number of workmen to complete the work.

12) Force Majeure:

In case any Force Majeure condition herein mentioned occurs and continues for a period exceeding XX days the parties hereto undertake to sit together and devise ways for expeditious and proper performance of the obligations of the parties under this order.

This clause will be operative only if the work is delayed by

- a) Acts of God
- b) Earthquake or floods or similar natural calamities.
- c) Serious loss or damage by fire or lightning.

13) **Arbitration**:

"In the event of any dispute or difference relating to interpretation and application of provisions of the contract and all disputes/claims whatsoever which shall either during the continuance of the contract or afterwards either between the parties to the contract or the respective representatives touching the construction/application of any provision/clause mentioned in the contract or any account or liability between the parties to the contract or as to any act or deed or omission of any party to the contract, in any way relating to these presents, shall be first at the discretion of the Bank attempted to be resolved in good faith by mutual discussion within 30 days of the dispute or question being raised failing which the same shall be settled by arbitration in accordance with provisions of Indian arbitration and Conciliation act 1996.

The Parties concerned shall designate an arbitrator on mutual consent/consensus. In the event of no consensus being arrived, an Arbitral Tribunal shall be constituted comprising three Arbitrators, each party appointing one arbitrator and a third arbitrator to be appointed by the two arbitrators so appointed by the parties. The venue of the arbitration shall be exclusively at Ghaziabad, UP and any award passed by arbitrator or the arbitral Tribunal shall be final, conclusive and binding upon the parties and shall be deemed to have been made between parties themselves. The parties to the dispute shall share equally the cost of arbitration as intimated by the arbitrator".

year first hereinabove witness.	
Witness Address	Employer

IN WITNESS whereof the said contracting parties have set their hands and seals on the day and

Witness Address Tenderer

GENERAL CONDITIONS OF CONTRACT

1. DEFINITIONS / INTERPRETATIONS:

In construing these Conditions and the Specifications, Schedule of Quantities and Contract Agreement, the following words, shall have the meanings herein assigned to them except where the subject or context otherwise requires:

- (a) The `Contract' means the documents forming the tender and acceptance thereof and the agreement duly executed between the Employer and the Tenderer, together with the documents referred to therein including those conditions, the specifications, schedule of quantities, tender agreement, designs, drawings and instructions issued from time to time by the Engineer-in-Charge. All these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
- (b) The 'Tenderer' or 'Supplier' or `DG set Manufacturer' shall mean the individual Kartha, or Manager of HUF, firm or Company, whether incorporated or not, undertaking the works and shall include the legal heirs/representatives of such individual or the partners composing firm and theirs legal heirs and successors, or company's authorised and constituted attorneys/agents and permitted assignees of such firm or company.
- (c) The `Employer' shall mean 'Indian Bank' with their office at Zonal Office, C-69, RDC, Rajnagar District Centre, Ghaziabad, UP and shall include their heirs, legal representatives, assignees and successors.
- (f) Contract Price shall mean the final accepted rates in the Price Bid hereto.
- (g) Date of Contract means the 'Calendar date on which the Employer and DG set Manufacturer / Supplier have signed the Agreement on the Stamp Paper.
- (h) Accepting Authority shall mean the Indian Bank (the Employer).
- (i) Approval' wherever used in the specifications or schedule of Quantities shall mean, respectively, approved by or approval of the `Accepting Authority' in writing.
- (j) Appellate Authority' shall mean the Indian Bank (the Employer). Who shall also be the authority to consider any extension of time or compensation as defined in clause hereunder.
- (k) Notice in writing' or `written notice' shall mean a notice in writing typed or printed characters delivered to or sent by registered post to the last known address private or business address or registered office address, and shall be deemed to have been received when in ordinary course of post it would have been delivered, and/or delivered personally, or otherwise proved to have been received.

(I) Virtual completion' shall mean that the work/installation is complete in all respects in the opinion of the Employer and for which the completion/clearance certificate has been issued by Branch and the installation is fit for usage.

- (m) `Drawings' shall mean all drawings and/or design drawings furnished by the Tenderer/ sketches duly accepted by the Employer before commencement or during the progress of the work.
- (n) Letter of Acceptance' shall mean an intimation by a letter issued by the Accepting Authority of the Employer to tenderers that his tender has been accepted in accordance with the provisions in the said letter.
- (o) "Defect Liability Period" shall mean a period of TWELVE (12) Months. The DLP shall commence from the date of handing over of the DG set with safety certificate from CEIG / CEA / PCB and accepted by the Employer.
- (P) Schedule of quantities" shall mean the schedule of quantities as specified and forming part of this contract.
- (q) "Priced Schedule of Quantities" shall mean the schedule of quantities duly priced with the accepted quoted rates of the tenderer.
- (r) "The work" shall mean the work or works to be executed or done under this contract.
- (s) "Act of Insolvency" shall mean any act defined by the Presidency Towns Insolvency Act or in Provincial insolvency Act or any amending statutes.

SCOPE OF WORKS TO BE CARRIED OUT :-

Supply, Installation, Testing & Commissioning of 62.5 KVA DG Set for Indian Bank Plot No E-16B/1, Sector-30, Noida, UP. The works should be carried out in accordance with the "drawings" and "schedule of quantities". It includes providing all the materials, wastage of material, labour, transport, tools & equipments and management necessary for and incidental to the completion of the work. All work during its progress and upon completion shall conform to the lines, elevations and grades as shown on the drawings furnished by the Employer. Should any detail essential for efficient completion of the work be omitted from the drawings and specifications it shall be the responsibility of the Tenderer to inform the employer so that upon completion of the work the same will be acceptable and ready for use.

If there are varying or conflicting provisions made in any one or more document(s) forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on tenderer.

Any error in description or quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Tenderer from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the Contract.

Employer or their authorized representative may in their absolute discretion issue further drawings and / or written instructions, details, directions & explanations which are, hereafter collectively referred to as " The employer's instructions" in regard to:

- a) The variation or modification of the design quality or quantity of works or the addition or omission or substitution of any work.
- b) Any discrepancy in drawings or between the schedule of quantities and/or drawings and/or specifications.
- c) The removal from the site of any defective material brought thereon by the Tenderer and substitution of any other material thereof.
- d) The demolition, removal and re-execution of any work executed by the tenderer/s.
- e) The dismissal from the work of any persons employed thereupon.
- f) The opening up for inspection of any work covered up.
- g) The rectification and making good of any defects under clauses hereinafter mentioned and those arising during the defect liability period(retention period).

The Tenderer shall forthwith comply with and duly execute any work comprised in such Employer's or his agent/Engineers instructions, provided always that verbal instructions, directions and explanations given to the Tenderer or his representative upon the works by the employer or his agent shall, if involving a variation, be confirmed in writing to the Tenderer's within seven days. No works for which rates are not specifically mentioned in the priced schedule of quantities, shall be taken up without written permission of the employer or his agent. Rates of items not mentioned in the priced schedule of quantities shall be fixed by the employer as provided in clause "variation".

Regarding all factory made products for which ISI marks are available, only products bearing ISI marking shall be used in the work.

Materials of approved makes as prescribed in tender shall only be used and also colours to be as advised by the employer.

2. TENDERER SHALL VISIT THE SITE :-

The tenderers are advised to have a free inspection of the site before tendering to ensure that the DG set shall be installed in the proposed location with required clearances around the set as per norms prescribed by CEIG / CEA / PCB. The noise level may be maintained at levels prescribed by CPCB. Also it may be ensured that there is no noticeable vibration in the upper floors due to the operation of the DG set.

Also the Tenderer shall visit the site and make himself thoroughly acquainted with the local site conditions, nature and requirements of the works, facilities of transport condition, effective labor and materials, access and storage for materials and removal of rubbish. Tenderer shall provide in their tender for cost of carriage, freight and other charges as for any special difficulties

and including the police restriction for transport etc. For proper execution of works as indicated in the drawings. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the Employer or his agent/engineer might be deemed to have reasonably been inferred to be so existing before commencement of work.

4. DRAWINGS AND SPECIFICATIONS:

- a. The Work shall be carried out to the entire satisfaction of the Employer in accordance with the signed drawings, specifications and other Contract documents and such further drawings and details as may be approved by the Employer and in accordance with such written instructions, directions and explanations as may from time to time be given by the Employer.
- b. No drawing shall be taken as in itself an order for execution unless; it is approved by employer and marked "VALID FOR CONSTRUCTION". No claim for payment for extra work shall be allowed unless the said work shall have been executed under the provisions of Clause 10 (Authorities, Notices, Patent Rights and Royalties), or by the authority, directions in writing of the as herein mentioned.
- c. On receipt of work order, the Tenderer shall submit the following Drawings within 10 days for approval of Bank.
- > Layout of DG set and accessories
- Exhaust Piping arrangement
- > Fuel oil tank and piping
- ➤ Electrical single line diagram, control wiring single line diagram, cable layout, panel GA drawing etc. even if part may have been provided by the owner.
- Location of earth pits and details of earthing even though these may have been provided by owners.

5. SCHEDULE OF QUANTITIES:

The Schedule of the Quantities unless otherwise stated shall be deemed to have been prepared in accordance with the standard procedure of quantity measurement, and shall be considered to be approximate and no liability shall attach Employer for any error that may be discovered therein.

6. SUFFICIENCY OF SCHEDULE OF QUANTITIES:

The Tenderer shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the prices stated in the Schedule of Quantities. The Tenderer's Rates and Prices shall cover all his obligations under the Contract, and all matters and things necessary for the proper completion of the works.

7. ERRORS IN SCHEDULE OF QUANTITIES:

Should any error appear in the Schedule of Quantities, other than in the Tenderer's prices and calculations, it shall be rectified, and such rectification shall not vitiate the Contract but shall constitute a variation of the Contract and shall be dealt with as an authorized extra or deduction.

8. NOTICES:

The Tenderer shall give all notices and pay all fees and royalties in connection with his constructional activities and shall comply with all Acts and Regulations for the successful completion of the Contract Works.

9.TENDERS:

The entire set of tender paper issued to the tenderer should be submitted fully priced and also signed on the last page together with initials on every page. Initials/signature will indicate the acceptance of the tender papers by the tenderer (Also see General Rules and instructions for the guidance of Tenderer).

The schedule of quantities shall be filled as follows

- a) The "Rate" column to be legibly filled in ink in both English figures and English words.
- b) Amount column to be filled in for each item and the amount for each sub as detailed in the schedule of quantities.
- c) All corrections to be initialed.
- d) The "Rate" column for alternative items shall be filled up.
- e) The "Amount" column for alternative items of which the quantities are not mentioned shall not be filled up.
- f) In case of any errors/omissions in the quoted rates, the rates given in the tender marked "Original shall be taken as correct Rates.
- ➤ No modifications, writings or corrections can be made in the tender papers by the tenderer, but he may at his option offer his comment modifications in a separate sheet of paper attached to original tender papers.
- ➤ The employer reserve the right to reject the lowest or any tender and also to discharge any or all of the tenders for each section or to split up and distribute any item of work to any specialist firm or firms, without assigning any reason.
- The tenderer should note that the tender is strictly on item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self-supporting. If called upon by the Employer, detailed analysis of any or all the rates shall be submitted. The Employer shall not be bound to recognize the DG set Manufacturer's / Supplier analysis.
- > The works will be paid for as "measured work" on the basis of actual work done and not as "lump sum" contract, unless otherwise specified.
- ➤ All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly, related to and reasonably detectable from the drawings, specifications schedule of quantities and no further extra charges will be allowed in this connection. In the case of lump-sum charges in the tender in respect of any item of works, the payment such items of work will be made for the actual work done on the basis of lump-sum charges as will be assessed to be payable by the Employer.

➤ The Employer has power to add to, omit from any work as shown in the drawings or described in the specifications or included in schedule of quantities and intimate the same in writing but no addition, omission or variation shall be made by the tenderer without authorization from the Employer. No variation shall vitiate contract.

The tenderer shall note that his tender shall remain open for consideration for a period of **90** days from the date of opening of the price bid of the tender.

10. AGREEMENT:

The successful tenderer, shall be required to sign the contract agreement, the proforma of which is enclosed and shall pay for all stamps and legal expenses, incidental thereto.

11. PERMITS AND LICENSES:-

Permits and licenses for release of materials or its purchases which are under Government control will be arranged by the tenderer. The employer will render necessary assistance, Sign any forms or applications that may be necessary.

It may be clearly understood that no compensation or additional charges can be claimed by the tenderer for non-availability of such materials in due time on this account or according to his own requirements.

The tenderer may, however, be eligible to a proportionate extension of time on this account that in the opinion of the Employer is reasonable.

12. GOVERNMENT AND LOCAL RULES:-

The tenderer shall conform to the provisions of all local bye-laws and acts relating to the work and to the regulations etc. of the Government and Local Authorities. The tenderer shall give all notices required by the said Act, Rules, Regulations and bye-laws etc and shall indemnify the Employer against such liabilities and shall defend all actions arising from such claims or liabilities. The tenderer shall get necessary approvals, if any, required from the competent authority at their own cost for carrying out the work.

13. TAXES AND DUTIES :-

- a. The tenderer must include in their tender prices quoted for all duties royalties, cess and sales tax, value added tax or any other taxes or local charges if applicable. No extra claim on this account will in any case be entertained.
- b. The tenderer shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of the Employer and / or the Engineer-in-charge and further shall furnish such other information / document as the Employer may require from time to time.

14. QUANTITY OF WORK TO BE EXECUTED :-

The quantities shown in the schedule of quantities are intended to cover the entire works as per the drawings / scope of work, and therefore the Tenderer is bound to complete the works at the same quoted rates in the event of quantity exceeding the specified bill of quantity, but the Employer reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefore.

15. OTHER PERSONS OR AGENCIES ENGAGED BY THE EMPLOYER:

The Employer reserves the right to execute any part of the work included in this contract by other agency or persons and Tenderer shall allow reasonable facilities and use of his facilities for the execution of such work. The main Tenderer shall extend all co-operation in this regard.

16. EARNEST MONEY, INITIAL SECURITY DEPOSIT, RETENTION MONEY & TOTAL SECURITY DEPOSIT:

- a. The Tenderer will have to deposit the specified amount in the form of Demand Draft drawn in favour of Indian Bank, Zonal Office, Ghaziabad, UP (or) Bank Guarantee in the approved format from any Scheduled Bank in favour of Indian Bank, ZONAL office, Ghaziabad, UP at the time of submission of tender as Earnest Money. No interest shall be paid on the earnest money. The earnest money of unsuccessful tenderer will be refunded without any interest soon after the acceptance of the selected Tenderer or after the expiry of the validity period of the tender.
- b. The successful tenderer to whom the contract is awarded will have to deposit as *Initial Security Deposit 2% (two percent)* of the value of the accepted tender including the Earnest Money. The Initial Security Deposit will have to be made within 14 days from the date acceptance of tender failing which the employer at his discretion may revoke the letter of acceptance and forfeit the Earnest Money Deposit furnished along with the tender. The security deposit may be furnished in the form of Demand Draft / Bank Guarantee payable in favour of Indian Bank (or) BG drawn on any Scheduled Bank for the duration of the contract period plus defect liability period of 24 months.
- c. The Initial security Deposit (2%) made above together with retention money deducted from the progressive running bills @ 5% (five percent) of the Gross value of each running bill will constitute **Total Security Deposit** i.e. The initial Security Deposit plus retention money equals to; 7.0 % of the contract value. On virtual completion of work, the employer shall refund 50% of the total Security Deposit. The Balance Security Deposit of 50% will be refunded after completion of the Defect Liability Period. Further the balance Security Deposit held by the employer shall be returned against submission of Bank Guarantee in the approved format from any Scheduled Bank
- d. No interest is allowed on Total security Deposit.

17. TENDERER TO PROVIDE EVERYTHING NECESSARY:

- a. The Tenderer shall provide everything necessary for the proper execution of the work according to the intent and meaning of the drawings, technical specifications, and schedule of quantities taken together whether the same may or may not be particularly shown or described therein provided that the same can be reasonably inferred there from, and if the Tenderer finds any discrepancies therein, he shall immediately and in writing, refer the same to the employer whose decision shall be final and binding.
- b. The rates quoted against individual items will be inclusive of everything necessary to complete the said items of work within the contemplation of contract, and beyond the unit price no extra payment will be allowed for incidental or contingent work, labor and/or materials inclusive of all taxes and duties whatsoever except for specific items, if any, stipulated in the tender documents.

c. The Tenderer shall supply, fix and maintain at his own cost, for the execution of the work, all tools, tackles, machineries and equipments and other required facilities for execution of work including the safety aspects.

- d. The Employer on no account shall be responsible for storage of materials or loss or pilferage or theft either in respect of the material stored or material already built and paid for by the Employer.
- e. The Tenderer shall at all times give access to workers employed by the Employer.
- f. Any facilities available at site shall be utilized only with prior permission of the Employer or the in-charge of the site / building Employer and cannot be taken as granted and for such services utilized the Employer is entitled to charge. No extra charges shall be paid over and above what has been quoted for any of the above or for similar such services.

18. TIME OF COMPLETION, EXTENSION OF TIME & PROGRESS CHART:

i). Time of Completion:

- a. The entire work is to be completed in all respects within stipulated period of \$\$ days (including obtention of CEA / CEIG / PCB approval) . The work shall be deemed to be commenced within 14 days from the date of acceptance letter or date of handing over site whichever is later. Time is the essence of the contract and shall strictly observed by the Tenderer .
- b. The work shall not be considered as complete until the Employer have accepted in writing that the work has been virtually completed and defect liability period shall commence from the date such certificate.

ii). Extension of Time:

- a. If in the opinion of the Employer a) by reason of any exceptionally inclement weather, or b) by reason of instructions from the employer in consequence of proceedings taken or threatened by or disputes with adjoining or neighbouring Employers or c) by the works, or delay, of other Tenderers or trades men engaged or nominated by the employer and not referred to in the specification or d) by reason of authorised extra and additions or e) by reason of any combination of workmen or strikes or lockout affecting any of the building trades or f) from other causes which the employer may consider being beyond control of the Tenderer, the employer at the completion of the time allowed for the contract shall make fair and reasonable extension of time for completion in respect thereof. In the event of employer failing to give possession of site upon the day specified above the time of completion shall be extended suitably.
- b. In case of such strikes or lock-outs, as are referred to above, the Tenderer shall, immediately give the employer, written notice thereof. Nevertheless the Tenderer shall use his best endeavors all that to prevent delay and shall do all that may be reasonably required to the satisfaction of the employer to proceed with the works and on his doing so that it will be ground of consideration by the employer for an extension of time as above provided.
- c. The decision of the Employer as to the period to be allowed for an extension of time for completion hereunder (which decision shall be final and binding on the Tenderer) shall be

promulgated on completion of the work or at the conclusion of such events based on which the extension of time was sought by the Tenderer, and the Employer shall then, in the event of an extension being granted, determine and declare the final completion date. The provision in clause 14 with respect to payment of liquidated damages shall in such case, be read and construed as if the extended date fixed by the employer were substituted for and the damage shall be deducted accordingly.

iii). Progress of Work:

a. During the period of work, the Tenderer shall maintain proportionate progress on the basis of a program chart submitted by the Tenderer before the commencement of work. Tenderer should also include planning for procurement of scarce materials well in advance and reflect the same in a program chart so that there is no delay on the part of the Tenderer in completion of the project.

19. LIQUIDATED DAMAGES:

- a. <u>Time is the essence of the contract</u>. Hence the Tenderer shall be aware that non completion of the work will affect the Bank's committed programs and thus the loss by way of delayed services / completion of related works etc, are valuable and cannot be easily quantified. Therefore, it is part of the agreed terms that in the event of any delay in completion of the work, the Bank is liable to charge the Tenderer without the necessity of providing for any details of such losses suffered by the Bank.
- b. Hence if the work is not completed as per the contract terms or to the satisfaction of the employer within the stipulated period, the Tenderer shall be bound to pay to the employer a sum of amount calculated at 1% of the contract sum per week of delay subject to a ceiling of 10% of the contract sum by way of liquidated damages and not as penalty during which the work remains un-commenced or unfinished after the expiry of the completion date.
- c. For this purpose the term `Contract sum' shall be value at the tender rates of the work as ordered / accepted.
- d. Therefore the Tenderer is required to maintain progress in terms of the contract to complete the work within the stipulated period.

20. TOOLS, STORAGE OF MATERIALS, PROTECTIVE WORKS AND SITE OFFICE REQUIREMENTS:

- a. The Tenderer shall provide, fix up and maintain his establishment in an approved position at site and clear away on completion of the works and make good all works disturbed.
- b. The Tenderer shall not fix or place any advertisement of any description or permit the same to be fixed or placed in or upon any hoarding, gantry, building structure other than those approved by the Employer.
- c. **Tools**: The odolite level, prismatic compass, steel tape ,threads and all other instruments found necessary on the works shall be provided by the Tenderer for the due performance of the contract as instructed by the employer.

d. All suitable scaffolding, ladders and stools that may be required for safe taking of the measurements shall be supplied by the Tenderer .

Storage of materials:

The Tenderers shall provide and maintain proper enclosures for the storage and adequate protection of materials, tools at the space allocated for the purpose including their watch & ward arrangements shall be the responsibility of the Tenderer. Any materials taken out of the premises shall get the "out pass" from the employer.

Protective Measures:

The Tenderer shall make suitable arrangements for watching and protecting the works and materials. The Tenderer shall indemnify the employer against any possible damage to the building, roads and members of public in course of the execution of the work.

The Tenderer should cover in his rates for making provisions for all the above and reasonable facilities for the use of his scaffolding, tools and plant etc., for their work.

21. NOTICE AND PATENTS OF APPROPRIATE AUTHORITY AND EMPLOYERS:

- a. The Tenderer shall conform to the provisions of any Acts of the Legislature relating to the work, and to the regulations and bye-laws of any authorities, and or other Companies (Indian or International) and / or Statutory Authorities, with whose system and design or technical knowhow are/were proposed to have connection with this work.
- b. So also the Tenderer shall before making any variations from the drawings or specification that may be associated to so conform, give the Employer written notices specifying the variations proposed to be made and the reasons for making them and apply for instruction thereon. The Employer on receipt of such intimation, shall give a decision within a reasonable time.
- c. The Tenderer shall arrange to give all notices required for by the said Acts, regulations or Byelaws to be given to any authority, and to pay to such authority or to any public officer all fees that may be properly chargeable in respect of the work and lodge the receipts with the Employer.
- d. The Tenderer shall indemnify the Employer against all claims in respect of patent rights, royalties, damages to buildings, roads or members of public in course of execution of work and shall defend all actions arising from such claims and shall keep the Employer saved and harmless and indemnified in all respects from such actions, cost and expenses.

22. CLEARING SITE AND SETTING OUT WORKS:

a. site shall be cleared of all obstructions, waste materials, rubbish of all kinds. All material damages at the site like on the walls, ceiling or flooring or on any other connected place/ equipments, materials or installations shall be re-done to maintain originality and shall be leveled at Tenderers own cost.

b. The Tenderer's shall set out the works and shall be responsible for the true and perfect setting out the works and for the correctness of the positions, levels, dimensions and alignment of all parts thereof. If at any time, any error shall appear during the progress of any part of the work, the Tenderer shall at his own expenses rectify such error, if called upon to the satisfaction of the Employer.

c. The Tenderer shall further set out the works to the alternative positions at the site until one is finally approved and the rates quoted in his tender should include for this and no extra on this account will be entertained.

23. TENDERER IMMEDIATELY TO REMOVE ALL OFFENSIVE MATTERS:

All waste materials and other matters of any offensive nature shall be taken out once the works are completed. The Tenderer shall keep the site free from dangerous materials like industrial gases, welding machines and any such devices or material of toxic and poisonous nature & shall not carry within the site or building any material which are explosive in nature. Any such offensive materials which are essentially required in course of work shall be undertaken with due written permission of the Employer provided such materials are permissible under Law.

24. **ACCESS**:

- a. Any authorized representatives of the Employer shall at all reasonable times have free access to the works and / or to the workshops factories or other places where materials, or equipments are being fabricated or constructed for the work and also to any place where materials are lying or from where they are being obtained, and the Tenderer shall extend necessary facility to the Employer or their representatives for inspection examination and testing of the materials and workmanship.
- b. Except the representatives of the Employer no person shall be allowed at any time without the written permission of the Employer.
- c. The work shall be offered for inspection at every stage of the work and more specifically before painting, polishing and lamination.

25. MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS:

- a. All the works specified and provided for in the specifications or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workmanlike manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by the Employer during the execution of the work, and to his entire satisfaction.
- b. If required by the Employer the Tenderer shall have to carry out tests on materials and workmanship in approved material testing laboratories or as prescribed by the Employer at his own cost to prove that the materials etc. under test conform to relevant I.S. standards or as specified in the specifications. The necessary charges for sample material, transporting, testing etc. shall have to be borne by the Tenderer. No extra payment on this account should in any case be entertained.

c. All materials required for the full performance of the work under the contract must be provided through proper channels and must include duties ,taxes octries and other charges if any and must be best of their kind available and the Tenderer must be entirely be responsible for proper and efficient carrying out of the works. Samples of all the materials to be used must be submitted / displayed to the Employer when so directed by the Employer.

d. Should the work be suspended by any reason, the Tenderer shall take all precautions necessary for the protection of work and at his own expenses shall make good any damages arising from any of these causes.

26. REMOVAL OF IMPROPER WORK:

- a. The Employer shall during the progress of the work have power to order in writing from time to time the removal, from the work site within such reasonable time or times as may be specified in the order, of any materials which in the opinion of the Employer are not in accordance with specification or instructions, the substitution or proper re-execution of any work executed with materials or workmanship not in accordance with drawings and specifications or instructions.
- b. In case the Tenderer refuses to comply with the order the Employer shall have the power to employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as accepted by the Employer shall be borne by the Tenderer or may be deducted from any money due to or that may become due to the Tenderer.
- c. No certificate which may be given by the Bank shall relieve the Tenderer from his liability in respect of unsound work or bad materials.

27. SAFETY PRECAUTIONS:

The Tenderer shall follow all necessary safety precautions with respect to the work. All necessary safety equipments / gadgets shall be used by the workmen. The Tenderer shall comply and ensure the enforcement of rules and regulations relating to the safety precautions. The arrangements be made by the Tenderer shall be open for inspection by any statutory authorities.

28.TENDERER 'S EMPLOYEES:

- a. The Tenderer shall employ technically qualified and competent supervisors for the work who shall be available (By turn) throughout the work and shall participate during site meetings and be available to take and comply with instructions of the Employer. The Tenderer shall employ in connection with the work persons having the appropriate skill or ability to perform their job efficiently. Any laborers supplied by the Tenderer to be engaged on the work on day work basis either wholly or partly under the direct order or control of the Employer or his representative shall be deemed to be a person employed by the Tenderer.
- b. CHILD LABOUR: No Labourer below the age of sixteen years and who is not an Indian national shall be employed on the work.
- c. LABOUR LEGISLATION: The Tenderer shall comply with the provisions of the payment of all legislation including the requirement of The payment of Wages Act, 1936, Minimum Wages Act, 1948, Employer's Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contract Labor (Regulation and

Abolition) Act 1970, Apprentices act 1961, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time. Report on PF & ESI paid to the employees on monthly basis has to be submitted to the employer.

- d. The Tenderer shall keep the Employer saved harmless and indemnified against claims if any of the workmen and all costs and expenses as may be incurred by the employer in connection with any claim that may be made by any workmen.
- e. The Tenderer shall arrange to provide first-aid treatment to the labourers engaged on the works. He shall within 24 hours of the occurrence of any accident at or about the site or in connection with execution of the works, report such accident to the Employer and also to the Competent Authority where such report is required by law.
- f. The Tenderer shall indemnify and keep indemnified the Employer against payments to be made under and for the observance of the laws aforesaid and the Tenderers' Labor Regulations. The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.
- g. **Compliance of Labour Regulations**: The Tenderer shall at his own expense arrange for all the safety provisions for the safety of all workers and employees directly or indirectly employed on the work by the Tenderer.
- h. The Tenderer shall be fully responsible for compliance at his own expense all the labor regulations and rules to be observed by him. The Tenderer shall fully indemnify the Employer against any action by the state and/or Central Government for any default or alleged default by the Tenderer, sub Tenderer or Employer of any of such rules and regulations. If, due to any default of the Tenderer or his sub-Tenderer s, the Employer has to incur any expenditure for compliance of the rules and regulations or for any other reason connected with such default, the Employer shall be entitled to recover from the Tenderer all such expenditure in full from any payment due to the Tenderer.

29. **DISMISSAL OF WORKMEN**:

The Tenderer shall on request of the Employer immediately dismiss from works any person employed thereon by him, who may in the opinion of the Employer be unsuitable or incompetent or who may misconduct himself. Such discharge shall not be the basis of any claim for compensation or damages against the Employer or any of their officer or employee.

30. **ASSIGNMENT**::

The whole of the works included in the contract shall be executed by the Tenderer and the Tenderer shall not directly or indirectly transfer, assign or underlet the contract or any part, share or interest therein nor, change in constitution and no subletting shall relieve the Tenderer from the full and entire responsibility of the contract or from active superintendence of the work during their progress.

31. INJURY TO PERSONS AND DAMAGE TO PROPERTY - INSURANCE:

a. The Tenderer shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or his employees, whether such injury or

damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract.

- b. The clause shall be held to include interalia, any damages to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather.
- c. The Tenderer shall indemnify the employer and hold harmless in respect of all and any expenses arising from such injury or damages to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of compensation or damage consequent upon such claim.
- d. The Tenderer shall reinstate all damage of every sort mentioned in this clause, so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property or third parties.
- e. The Tenderer shall effect the insurance necessary and indemnify the employer entirely from all responsibility in this respect. The insurance must be placed with a company approved by the employer and must be effected jointly in the name of the Tenderer and the employer and the policy lodged with the latter. The scope of insurance is to include loss or damage to the work and workmen due to carelessness, accident including fire, earthquake, floods, etc., damage or loss to the contract itself till this is made over a complete state. Insurance is compulsory and must be effected from the very initial stage. The Tenderer shall also be responsible for anything which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this contract.
- f. The employer shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or occurring from or in respect of any such claim or damages from any sums due or to become due to the Tenderer.
- g. Unless otherwise instructed the Tenderer shall insure the works and keep them insured until the virtual completion of the contract against loss or damage by fire and/or earthquake, flood. The insurance must be placed with a company approved by the Employer, in the joint names of the Employer and the Tenderer for such amount and for any further sum if called to do so by the employer and lodge receipts of premiums paid with the employer within 21 days from the date of issue of letter of acceptance unless otherwise instructed.
- h. In default of the Tenderer insuring as provided above, the Employer on his behalf may so insure and may deduct the premiums paid from any money due, or which may become due to the Tenderer. The Tenderer shall as soon as the claim under the policy is settled or the work reinstated by the Insurance Company should they elect to do so, proceed with due diligence with the completion of the works in the same manner as though the fire has not occurred and in all respects under the conditions of the contract. The Tenderer in case of rebinding or reinstatement after fire shall be entitled to extension of time for completion as the Employer may deem fit.

32. ACCOUNTS RECEIPTS & VOUCHERS:

The Tenderer shall, upon the request of the Employer furnish them with all the invoices, accounts, receipts and other vouchers that they may require in connection with the works under this contract. If the Tenderer shall use materials less than what is required under the contract, the value of the difference in the quantity of the materials that was required to use and that actually used shall be deducted from his dues. The decision of the Employer shall be final and binding on the Tenderer as to the amount of materials the Tenderer is required to use for any work under this contract.

33. MEASUREMENT:

- a. Measurements of completed works shall be as per Bureau of Indian Standards code IS-1200 & its relevant parts.
- b. Before taking any measurement of any work, the Employer shall give reasonable notice to the Tenderer. If the Tenderer fails to attend at the measurements after such notice or fails to countersign or to record the difference within a week from the date of measurement in the manner required by the Employer then in any such event the measurements taken by the Employer or by the subordinate deputed by him as the case may be is final and binding on the Tenderer and the Tenderer shall have no right to dispute the same.
- c. The measurements particularly concealable in nature shall be jointly taken and recorded and such statement of measurement shall be enclosed along the bill or running bills.
- d. The works will be paid for as "measured work" on item rate basis i.e. on actual work done. All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly, related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges will be allowed in this connection. The work shall be strictly according to the design / dimensions given in the drawings. The payment will be restricted to the design dimensions and no payment will be made due to increase in thickness/ depth/width. All the dismantling items shall be PREMEASURED and APPROVAL of the employer shall be sought before dismantling.

34. **PAYMENTS**:

- a. All bills shall be prepared by the Tenderer in the form agreed or furnished by the Employer based on the accepted measurements. A maximum of three bills are allowed during the currency of contract which includes the final bill. The minimum bill value shall be Rs. 3,50,000.00 The interim bills shall be in proper forms must be duly accompanied by detailed measurements in support of the quantities of the work done and must show deductions for all previous payments.
- b. The Employer shall issue a certificate after due scrutiny of the Tenderer s' bill stating the amount due to the Tenderer from the Employer and the Tenderer shall be entitled to payment thereof, within the 21 days from the date of the receipt of the recommendations of the consultants on the interim bill. In case of delay due to some reasons in the processing of such bills for payment, an adhoc advance of 75% of the billed amount may be paid on the request of the Tenderer for the smooth progress of the work.

c. The amount stated in an interim certificate shall be the total value of work properly executed and 75% of invoiced value of material brought to site for permanent incorporation into the work up to the date of the bill less the amount to be retained by the Employer as retention money vide clause 16 of these conditions and less installments previously paid under these conditions, provided that such certificate shall only include the value of said material and goods as and from such time as they are reasonably, properly and not prematurely brought to or placed adjacent to the work and then only if adequately protected against weather or other casualties.

- d. The Employer will deduct retention money as described in clause 16 of these conditions. The refund of retention money will be made as specified in the said clause.
- e. All interim payments accepted by the Tenderer shall be regarded as payments by way of advances against final payment only. These shall not preclude requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or reerected or be considered as an admission of the due performance of the contract or any part thereof in any respect or approving of any claim nor shall conclude, determined of affect in any way the power of the employer under these conditions for any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract.
- f. All payments are subject to statutory deductions of Income Tax & its Surcharge, Sales tax deductions or any other statutory deductions as notified by respective State/Central Government/Authority and any such instructions conveyed from time to time. From the interim bills, the retention money as detailed elsewhere in this tender shall also be deducted.
- g. The final bill shall be submitted by the Tenderer within 1 (one) month from the date of completion of work or from the date of certification of virtual completion accepted by the employer. No further claims shall be made by the Tenderer after submission of the final bill.
- h. The final bill shall be accompanied by no claim certificate by consultant and a certificate of completion from the Employer. Payments of final bill shall be made after deduction of all previous payments and Retention Money as specified in clause 16 of these conditions, which sum shall be refunded after the completion of the Defects Liability Period after receiving the Employer certificate that the Tenderer has rectified all defects to the satisfaction of the Employer. The acceptance of payment of the final bill by the Tenderer would indicate that he will have no further claim in respect of the work executed.

35. **VARIATION / DEVIATION**:

i. The Employer shall have power to make alteration in, omissions from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the Tenderer shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the employer. Such alterations, omissions, additions or substitution shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the Tenderer may be directed to do in the manner specified above as

part of the works, shall be carried out by the Tenderer on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

- (a) No work which radically changes the original nature of the contract shall be ordered by the employer as a deviation.
- (b) The price of all such additional items / non tendered items will be worked out on the basis of rates quoted for similar items in the contract wherever existing or on engineering rate analysis based on prevalent fair price of labour, material and other components as required.
- ii. The tendered rates, shall hold good for any increase or decrease in the tendered quantities up to variation of 25% and as stipulated elsewhere for legitimate completion of works as per original design or scope of work and on account of any modification or alteration suggested and where the variation is for the respective item is beyond 25%, the rate for the respective item may be reviewed on mutually agreed terms.
- iii. In the event of any deviation being ordered which in the opinion of the Tenderer changes the original nature of the Contract, he shall within fifteen days of having been so ordered bring this to the notice of the Employer with the reasons but nevertheless carry it out and the disagreement as to the nature of work and the rate to be paid therefore shall be resolved in accordance with Clause under caption "SETTLEMENT OF DISPUTES AND ARBITRATION".

36. **SUBSTITUTION**:

Should the Tenderer desire to substitute any materials and workmanship, he must obtain the approval of the Employer in writing for any such substitution well in advance. In respect of Materials whose makes are not specified in the tender, specific approval of the Employer has to be obtained in writing before their usage.

37. PREPARATORY WORK FOR UTILIZATION OF THE FACILITY AFTER COMPLETION:

- a. The whole of the work shall be thoroughly inspected by the Tenderer and deficiencies & defects, if any shall be set right. On completion of such inspection, the Tenderer shall inform the Employer that they have completed the work and it is ready for inspection.
- b. On completion the Tenderer shall clean all the area and its surroundings, equipments etc. and will leave the entire area clean and ready for immediate usage to the satisfaction of the Employer.

38. CLEARING SITE ON COMPLETION:

On completion of the works the Tenderer shall clear away and remove from the site all construction materials, plant & equipments, tools, surplus materials, scraps, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the Employer.

Indian Bank _____ DG Set

39. **DEFECT AFTER COMPLETION (defect liability period)**:

The DG Sets should be guaranteed against faulty design, materials manufacture and workmanship at least for a period of 12 months from the date of handing over of the system to the organization in perfect working condition. The guarantee should cover free replacement of defective parts, accessories, etc., and of whatever necessitated during the guarantee period. Items found defective during the guarantee period will be replaced by new one or repaired free of cost to the full satisfaction of the client. All parts supplied / replaced / fitted during the guarantee period shall not attract transport charges etc. If at any time during the guarantee period the DG is out of order for more than Seven days at a time, then the guarantee period will be extended by the period of break down.

The Tenderer shall make good at his own cost and to the satisfaction of the Employer all defects, or other faults which may appear within **12 months** after completion of the work(defect liability period). In default, the Employer may employ and pay other agency or persons to amend and make good such damages, losses and expenses consequent thereon or incidental thereto such expenses shall be made good and borne by the Tenderer and such damages, loss and expenses shall be recoverable from the payment due to the Tenderer and in the event of amount retained being insufficient, recover the balance from the Tenderer from the amount retained under clause No 16. together with any expenses the Employer may have incurred in connection therewith.

40. CONCEALED WORKS:

The Tenderer shall give due notice to the Employer wherever any work is to be buried or concealed in the building in the earth, flooring, walls or otherwise becoming inaccessible later on, in order that the work may be inspected and correct dimensions or measurements taken before such burial. In default whereof the same shall, in the opinion of the Employer be either opened up for measurement at the Tenderer's expenses or no payment may be made for such materials. Should any dispute or difference arise after the execution of any work as to measurements etc. or other matter which cannot be conveniently tested or checked, the notes of the employer shall be accepted as correct and binding on the Tenderer.

41. ESCALATION:

The rate quoted shall be firm throughout the tenure of the contract (including extension of time, if any granted) and will not be subject to any fluctuation due to increase in cost of materials, labor, sales tax, Octroi or any other reason.

42. IDLE LABOUR:

Whatever the reasons may be, no claim for idle labor, additional establishment cost of hire and labor charges of tools and plants would be entertained under any circumstances.

43. SUSPENSION OF WORKS:

If the Tenderer except on account of any legal restraint upon the Employer preventing the continuance of the work or in the opinion of the Employer shall neglect or fail to proceed with due diligence in the performance of his part of the contract or if he shall more than once make default, the Employer shall have the power to give notice in writing to the Tenderer requiring the work to be proceeded within a reasonable manner and with reasonable dispatch, such notice purport to be a notice under this clause.

After such notice shall have been given the Tenderer shall not be at liberty to remove from the site of the works or from any ground contiguous thereto any plant or materials to subsist from the date of such notice being given until the notice shall have been complied with. If the Tenderer fails to start the work within seven days after such notice has been given to proceed with the works as therein prescribed, the Employer may proceed as provided in **clause 44** (Termination of Contract by Employer).

44. TERMINATION OF CONTRACT BY EMPLOYER ::

If the Tenderer being a company go into liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a composition for the benefit of the greater part, in number of amount of his creditors or shall enter into a Deed or arrangement with his creditors, or if the Official Assignee in insolvency, or the Receiver of the Tenderer in insolvency, shall repudiate the contract, or if a Receiver of the Tenderer's firm appointed by the court shall be unable, within fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of the employer that he is able to carry out and fulfill the contract, and if so required by the employer to give reasonable security therefore, or if the Tenderer shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the Tenderer, or shall assign, charge or encumber this contract or any payments due or which may become due to the Tenderer, there under, or shall neglect or fail to observe and perform all or any of the acts matters of things by this contract, to be observed and performed by the Tenderer within three clear days after the notice shall have been given to the Tenderer in manner hereinafter mentioned requiring the Tenderer to observe or perform the same or shall use improper materials or workmanship in carrying on the works, or shall in the opinion of the employer not exercise such due diligence and make such due progress as would enable the work to be completed within due time agreed upon, and shall fail to proceed to the satisfaction of the employer after three clear days notice requiring the Tenderer so to do shall have been given to the Tenderer as hereinafter mentioned, or shall abandon the contract, then and in any of the said cases, the Union may notwithstanding previous waiver determine the contract by a notice in writing to the effect as hereinafter mentioned, but without thereby effecting the powers of the employer of the obligations and liabilities of the Tenderer the whole of which shall continue in force as fully as if the contract, had not been so determined and as if the works subsequently executed had been executed by or on behalf of the Tenderer(without thereby creating any trust in favour of the Tenderer) further the employer or his agent, or servants, may enter upon and take possession of the work and all plants, tools, scaffolding, sheds, machinery, steam and other power, utensils and materials lying upon premises or the adjoining lands or roads and sell the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by employing any other Tenderers or other persons or person to complete the works, and the Tenderer shall not in any way interrupt or do any act, matter of thing to prevent or hinder such other Tenderers or other persons or person employed from completing and finishing or using the materials and plants for the works when the works shall be completed, or as soon thereafter as conveniently may be, the employer shall give notice in writing to the Tenderer to remove his surplus materials and plants and should the Tenderer fail to do so within a period of 14 days after receipt by him the employer may sell the same by Public Auction and shall give credit to the Tenderer for the amount so realized. Any expenses

or losses incurred by the employer in getting the works carried out by other Tenderers shall be adjusted against the amount payable to the Tenderer by way of selling his tools and plants or due on account of work carried out by the Tenderer prior to engaging other Tenderers or against the Security Deposit.

45. SETTLEMENT OF DISPUTES AND ARBITRATION ::

All disputes or differences of any kind whatsoever which shall at any time arise between the parties hereto touching or concerning the works or the execution or maintenance thereof of this contract or the rights touching or concerning the works or the execution of maintenance thereof of this contract or the construction remaining operation or effect thereof or to the rights or liabilities of the parties or arising out of or in relation thereto whether during or after determination foreclosure or breach of the contract (other than those in respect of which the decision of any person is by the contract expressed to be final and binding) shall after written notice by either party to the contract to the other of them and to the Employer hereinafter mentioned be referred for adjudication to a sole Arbitrator to be appointed as hereinafter provided.

For the purpose of appointing the sole arbitrator referred to above, the employer will send within thirty days of receipt of the notice, to the Tenderer a panel of three names of persons who shall be presently unconnected with the organization for which the work is executed.

The Tenderer shall on receipt of the names as aforesaid, select any one of the persons name to be appointed as a sole Arbitrator and communicate his name to the employer within thirty days of receipt of the names. The employer shall thereupon without any delay appoint the said person as the sole Arbitrator. If the Tenderer fails to communicate such selection as provided above within the period specified, the competent authority shall make the selection and appoint the selected person as the Sole Arbitrator.

If the employer fails to send to the Tenderer, the panel of three names as aforesaid within the period specified the Tenderer shall send to the employer a panel of three names of persons who shall all be unconnected with either party. The employer shall on receipt of the named as aforesaid select any one of the person's names and appoint him as the Sole Arbitrator. If the Employer fails to select the person and appoint him as the Sole Arbitrator within thirty days of receipt of the panel and inform the Tenderer accordingly, the Tenderer shall be entitled to appoint one of the persons from the panel as the Sole Arbitrator and communicate his name to the employer.

If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another Sole Arbitrator shall be appointed as aforesaid.

The work under the contract shall, however, continue during the arbitration proceedings and no payment due or payable to the Tenderer shall be withheld on account of such proceedings.

The arbitrator shall be deemed to have entered on the reference on the date he issued notice to both the parties fixing the date of the first hearing.

The arbitrator may from time to time with the consent of the parties enlarge the time for making and publishing the award.

The arbitrator shall give a separate award in respect of each dispute or differences referred to him. The arbitrator shall decide each dispute in accordance with the terms of the contract and give a reasoned award. The venue of arbitration shall be such place as may be fixed by the arbitrator in his sole discretion or in **Ghaziabad**, **UP** only.

The fees, if any, of the arbitrator shall if required to be paid before the award is made and published be paid half and half by each of the parties. The cost of the reference and of the award including the fees, if any, of the Arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and may fix or settle and amount of costs to be so paid.

The award of the arbitrator shall be final and binding on both the parties.

Subject to aforesaid the provisions of the Indian Arbitration Act, 1992 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

The employer and the Tenderer hereby also agree that arbitration under clause shall be a condition precedent to any right to action under the contract with regard to the matters hereby expressly agreed to be so referred to arbitration.

46. CO - ORDINATION OF WORKS:

The Tenderer shall execute the works in co-ordination with the other agencies like air-conditioning, electrical etc., involved in the works. The work site shall be neatly cleaned as and when necessary so that the works of other agencies can be carried out. Failure on part of the Tenderer to clean the work site will empower the employer to engage other agencies and recover the cost from the Tenderer.

47. ELECTRICAL POWER:

The Tenderer have to make his own arrangements towards the electrical power required for the works. The Tenderer shall engage a licensed electrician to carryout and maintain his electrical system. The work shall not be stopped on account of power failure.

- 48. The work should be carried out with full co-ordination / co-operation of occupants in the Office without damaging any permanent structures or furniture belonging to them. If any damage occurs, the cost of same will have to be reimbursed by the Tenderer
- 49. The tenderer shall quote under Part B Price Bid towards annual comprehensive maintenance contract for a period of three years for the DG Set after the defect liability period of Two years. This amount under Part B shall be taken into consideration for tender evaluation purposes. The tenderer should also produce Bank guarantee for a value of 10% of the charges quoted under Annual maintenance contract before submission of final bill for the capital work.
- 50. The Contractor shall not assign the Contract. He shall not sublet any portion of the Contract except with the written consent of the Bank. In case of breach of these conditions, the bank may

serve a notice in writing on the contractor rescinding the Contract whereupon the security deposit shall stand forfeited to the Bank, without prejudice to his other remedies against the contractor.

- 51. The Contractor must bear in mind that all the work shall be carried out strictly in accordance with the specifications and also in compliance of the requirement of the legal public authorities and to the requirements of the local electricity authority and CEA / PCB and no deviation on any account will be permitted. Statutory fee
- 52. The employer will pay only the statutory / requisite fee to the Government authority and no other charges what so ever will be paid by employer. However the contractor shall have to liaison with them and have to submit the approval from Pollution Control Board for permission to run the Generator. Please note that although generator in running condition at present and Bank will not accept any reason like old generator/defective generator etc. If the contractor fail to bring down the noise with specified limits. In such case the contractor shall have to improve their acoustic design to reduce the noise level. The contractors may visit the site before submission of their offers.
- 53. Tenderer should also enclose a letter from the manufacturer of engine indicating the name of their authorised service agent at **DELHI**,**NCR** through whom the periodical service for the DG set will be attended. Prescribed standard rates for inspection labour service contract (all spares will be supplied by the Bank) should also be mentioned by the manufacturer.
- 54. The Contractor has to obtain approval from local / Regional Pollution Control board and Permission to run the generator and submits necessary document in this regard. The Contractor shall strictly comply with the provision of safety code annexed hereto.
- 55. The tenderers shall quote their charges for the above **comprehensive maintenance service contracts** of the DG Set which will be applicable after the expiry of the warranty period, the contract amount shall be paid on half yearly basis on rendering satisfactory service. This service contract shall be renewed annually. This being an emergency system, any fault in the system shall be rectified as per the rectification time given below failing which penalty shall be applied.

(a)	Any defects resulting in total failure of the	2 hours	Rs.1000/-
	system		per hour.
	Any defects in independent devices,	24	Rs.500/-
(b)	components, cables which may not result in	hours	per
	total failure of the system		

Safety Code

- 1. First aid appliances including adequate supply of sterilized dressings and cotton wool shall be provided in a readily accessible place.
- 2. An injured person shall be taken to a public hospital without loss of time, in cases where the injury necessitates hospitalization.

3. Suitable and strong scaffolds should be provided for workmen for all work that cannot safely be done from ground.

- 4. No portable single ladder shall be over 8 meters in length. The width between the side rails shall not be less than 30 cm (clear) and the distance between two adjacent rungs shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding the ladder.
- 5. The excavated material shall not be placed within 1.5 meters of the edge of the trench or half of the depth of trench, whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
- 6. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing; minimum height shall be one metre.
- 7. No floor, roof or other part of the structure shall be so overloaded with debris of materials as to render it unsafe.
- Workers employed on mixing and handling material such as asphalt, cement mortar or concrete and lime mortar shall be provided with protective footwear and rubber handgloves.
- 9. Those engaged in welding works shall be provided with welder's protective eye-shields and gloves.
- 10. i) No paint containing lead or lead products shall be used except in the forms of paste or readymade paint.
 - ii) Suitable face masks shall be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scrapped.
- 11. Overalls shall be supplied by the Contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during the period of cessation of work.
- 12. Hoisting machines and tackle used in the works, including their attachments, anchorage and support shall be in perfect condition.
- 13. The ropes sued in hoisting or lowering material or a means of suspension shall be of durable quality and adequate strength and free from defects.

TECHNICAL SPECIFICATIONS FOR 62.5KVA DG SET WITH STANDARD CONTROL PANEL

1.0 GENERAL SPECIFICATIONS

1 Rating of the sets (actual after:

de-rating for site conditions)

1 x 62.5 KVA

415 Volts, 3 phase, 4 – wire 50 Hz. Pure sine wave,

1500 RPM

2 Ambient conditions : Altitude 1000 Mtrs., above M.S.L.

Minimum temperature: 4° C during winter Maximum temperature: 45°C during summer

Relative Humidity: 20% to 90%

3 Duty cycle : Continuous 24 hours, 7 days a week, with 10% over-

loading for one hour in every 8 hours.

4 Starting : The sets shall be suitable for Auto start-up with

provision for manual start and stop.

5 Standards : The system will have to be in accordance with

relevant BSS/ ISS/ DIN or any other internationally accepted standard and shall comply with Indian Electricity Act & Rules 1956 amended from time to

time.

6 Fuel : The diesel generating sets shall be capable of

working on HSD oil.

7 Scope of Supply : (Note: Detailed specifications for the Diesel Engine,

Alternator and control panels are contained

separately in BOQ)

<u>Diesel Engine</u>: The set should be complete with a diesel engine of suitable BHP rating to give the desired alternator output of 162.5 KVA (taking into account de-rating factors for the ambient conditions

specified) with radiator cooled type.

1. Radiator fan mounted on the engine.

Alternator: Alternator is to generate 1x62.5 KVA as the case maybe, of output power at 415 Volts, 50 Hz, pure sine-wave form (with brushless excitation system and built in AVR) mounted on a common base-plate with suitable coupling to the diesel engine and foundation bolts with suitable termination box for

connection to a control panel(PLC).

Starting System: Starting by Electrical Motor, suitable voltage and capacity (preferably 24 V DC) and the supply should be from a set of batteries. The charging circuit for the battery should be built in the L.T. Panel with current controlling type with provision for trickle &

boost charge.

<u>Fuel Supply:</u> Day tank for each of the sets shall be included in the scope of supply.*Min 120 Ltr.

8 DOCUMENTATION

Two sets of complete detailed documentation is to be provided for installation, commissioning and maintenance of the engine, alternator, control panel and other sub-systems, comprising of general and dimensional layout drawings, foundation details, wiring and schematic drawing, inter-piping and intercabling drawings, installation instructions, operation, maintenance and service manuals, part list, spareparts catalogue, third party supplied catalogue, are to be supplied along with the main equipment.

Test Certificates: All test certificates at works with regard to engine, turbo-charger fuel pump, governor, fuel injection system, silencer, heat exchange, alternator, AVR, excitation system and control panel shall be supplied in six copies.

2.0 DETAILED SPECIFICATIONS

2.1 GENERAL:

DG Sets, coupled to a suitable alternator to give a continuous output of 1x62.5 KVA, at 415 Volts, 1500 RPM, 3-Phase, 4-Wire, 50Hz, Pure-Sine wave form. The rating of 1x62.5 KVA is required at site conditions of 45°C ambient, at 1000 meters above MSL and should be arrived at after taking into consideration all de-ration factors.

3.0 DIESEL ENGINE

- 3.1 Turbo-charged, Vertical/V cylinders, Diesel engine with cylinders either in line or in V formation, counter-clockwise rotation, Water-cooled with Heat Exchanger type of cooling with turbo charger, charge air cooled-Direct injection Four stroke, compression ignition- D.C. motor starting Designed for operation with fuel oil and lube oil as per enclosed specifications Continuous rated output of 1x62.5 KVA at 1500 RPM Stationery type conforming to IS/ BS/ DIN or any other equivalent internationally accepted standards.
- 3.2 Output: 1x62.5 KVA, at site at ambient temperature of 48°C, altitude 1000 Mtrs. (This is the rating required at site after taking into consideration all de-ration factors.)
- 3.3 Standard accessories for the Engine:
 - a. Exhaust driven turbo charger with insulated piping.
 - b. Day tank: Indoor mounting type with capacity to hold fuel oil required for running the diesel engine on full load for 8 hours, flow pipe, drain pipe, fuel oil level indicator, man-hole for inspection, etc. (all pipes connected through flanged joints).
 - Lubrication System: Sump tank incorporated in the common base frame for Diesel engine and generator, with one level switch for minimum level alarm – with shell type oil to water heat exchanger (with flanged pipe connection) coarse and fine filters with by-pass arrangements in the lubricating circuit

when the engine is on and with automatic by-pass valve for the filter in case of filter getting clogged. Thermostatic by-pass valve for lube-oil heat-exchanger when the lube oil is cold, lube oil pressure gauge, lube oil temperature indicating devices, both at the inlet and outlet of the lube-oil heat exchanger.

d. Speed Load Regulation:

The engine should have a speed governing system to regulate the speed of the engine within \pm 0.2% of the rated 1500 RPM from No Load to Full Load. (To give a 50 Hz, \pm 0.1% frequency stability at the alternator output).

The speed governing system should be of closed loop system compatible to parallel operation with other DG Sets and utility mains, for selective load sharing in manual/ auto conditions.

- e. Fuel Oil: Engine shall be equipped with fuel oil filters-fine and coarse.
- f. Engine Cooling System: The engine shall be provided with a heat exchanger which shall be connected to the raw water cooling circuit through a network of cooling towers, pumps, piping and valves.
- g. Charge AIR system: Charge air for the engine shall be through a turbo charger with flexible expansion joint, transition pipe with an intermediate air cooler oil bath air filter and absorption silencers at the air inlet point.
- h. Exhaust system: Exhaust from the engine manifold shall be connected to the turbo charger through a flexible expansion joint. Outlet from the turbo charger should be connected to the exhaust silencers (heavy duty) through another set of expansion joint-preferably of Bellows type-and the entire exhaust piping shall be fully insulated by means of flagging and cladding. Provision shall be available for tapping exhaust gas after turbo charger for analysis purpose.
- i. Inlet and outlet temperature of heat exchanger.
- j. Electronic type digital temperature indicating device for air intake and exhaust gas both at the inlet and outlet of the turbo charger with provision for audible alarm in the event of temperature exceeding design parameter (Indicating type Mechanical devices are not accepted).
- k. Pressure gauges for:
 - Lube oil pressure of the main engine
 - Lube oil pressure of the turbo charger
 - Provision for Manometer fitting on to the exhaust piping between the expansion joint at the outlet of the turbo charger and the silencer.
- I. Speed indicator: Digital Tachometer.
- m. Cumulative Hour counter.
- n. Fuel oil level indicator for the day tank.
- o. The sets shall be provided with vibration isolation pads the main frame and the accessories as well as flexible vibration insulation joints for all piping.

p. Accessories for operation and control of the engine:

The following accessories and controls shall necessarily be provided.

 A suitable mechanical arrangement mounted on the engine over-riding all electronic controls to stop the engine manually in case of failure of any of the controls.

- Please note that various other/ visual indications required are to be mounted on the control console and are mentioned at relevant paragraphs.
- Tenderers should enclose a separate statement showing deviations, if any, from the specifications stipulated herein and offered as alternative in their offer.

s. ALTERNATORS:

Self-regulating, three-phase synchronous alternator, Brushless TEFC with copper windings, antifriction bearing, flanged shaft, suitable for parallel operation and synchronizing with each other and mains supply, damper cage for parallel operation, fully tropicalised insulation (class H) temperature sensors located in the windings, over-riding controls for manual operation of excitation system, all the six terminals brought out, suitable for delivering the full load at 45°C and 1000 mtrs. altitude above MSL, conforming to relevant ISS/ BSS/ DIN any other internationally accepted standard or equivalent.

Output: 1x62.5 KVA 0.8 pf lagging.

Voltage: 415 Volts, 4- wire, 3 phase, solidly earthed neutral power system. The steady state voltage stability shall be \pm (0.5%) from no load to full load, and at power factors from 0.7 to 1.0 and for any speed variation unrelated to load of approximately 1%.

Wave Form : Pure sine wave, free of all harmonics.

Frequency: 50 Hz

Speed: 1500 rpm

Protected against : Over-load, short circuits, earth faults, winding

protection, differential type winding overtemperature. Transient surges and lightning protection. Earth leakage protection as specified

by Elec. Inspectorate

Earthing facility : Earth lugs on the alternator should be

provided for two separate earth connections.

Over-load : 10 % for one hour in every eight hours.

Exciter : Brush less revolving-field, built-in AC exciter

with Rotating rectifiers, automatic regulation with suitable accessories, and provision for adjusting the terminal voltage by means of a continuous trimmer by \pm 5% of the nominal

Voltage.

INSTALLATION OF D. G. SETS

1.0 GENERAL:

1.1 The preliminary drawings shall be provided by the CLIENT to the contractor and based on these drawings contractor shall prepared and submit detailed and working drawing to CLIENT. After getting the approval by CLIENT Engineer-In-charge duly signed and stamped, the work shall be carried out in the accordance with the approved drawings and design. The contractor shall not take cognizance of any drawings, designs, specifications etc. not bearing CLIENT representative's signature and stamp. Similarly the contactor shall not take cognizance of instructions given by any other authority except the instructions given by the Engineer-in-charge in writing.

- 1.2 The work shall be executed and measured as per metric dimensions given in the Schedule of Quantities/ drawings etc.
- 1.3 The Contractor shall acquaint himself fully with the partial provisions for supports that may be available in the structure and utilize them to the extent possible. In any case the contractor shall provide all the supports regardless of provisions that they have been already made. Nothing extra shall be payable for situations where insert plates (for supports) are not available or are not useful.

1.4 Measurements

All measurements shall be taken in accordance with relevant IS codes unless otherwise specified.

2.0 APPLICABLE CODES, STANDARDS AND PUBLICATIONS

All equipments supply, erection, testing and commissioning shall comply with the requirements of Indian Standards and code of practice given below as amended to date. All equipments and material being supplied by the Contractor shall meet the requirements of IS, Tariff advisory committee's regulation (fire insurance). Local Authorities, electrical inspectorate, pollution emission norms as may be prescribed by the competent authority & Indian Electricity rules and other Codes/ publications including NEMA, TEMA.

IS:1651	Stationary cells and batteries, lead-acid type (with tabular positive plates).
IS: 5216 IS: 1271	Safety procedure and practices in electrical work. Electrical Insulation.

3.0 QUALITY ASSURANCE AND QUALITY CONTROL

- 3.1 The works shall conform to high standard of design and workmanship, shall be structurally sound and aesthetically pleasing. Quality standards prescribed shall form the backbone for the quality assurance and quality control system.
- 3.2 At the site, the Contractor shall arrange the materials and their stacking/storage in appropriate manner to ensure the quality. Contractor shall provide equipment and manpower to test continuously the quality of material, assemblies etc. as directed by the CLIENT. The test shall be conducted continuously and the result of tests maintained. In addition the Contractor shall keep appropriate tools and equipment for checking alignments, levels, slopes and evenness of surface.

3.3 The CLIENT shall be free to carry out such tests as may be decided by him at this sole discretion, from time to time, in addition to those specified in this Document. The Contractor shall provide the samples and labour for collecting the samples. Nothing extra shall be payable to the Contractor for samples or for the collection of the samples.

3.4 Prior to shipment, complete unit shall be tested under actual load conditions for performance and proper functioning of component parts.

4.0 DC BATTERY SYSTEM:

4.1 The batteries shall be installed duly acid filled uncharged with stand. At time of testing & commissioning of DG sets battery shall be charged by the contractor.

5.0 EXHAUST PIPING.

5.1 The exhaust piping system shall be of heavy duty of MS pipes thickness as mentioned in the BOQ. Suitable length of flexible piping shall be used for connecting the piping to the engine as per the recommendations of manufacturers.

All terminal connections and pipe joints shall be of welded construction. The terminals of sizes 2 inches & above shall be butt welded.

The welding shall be done as per relevant ASME/ ASA codes. The contractor will have to indicate beforehand the welding procedure proposes to use. After confirmation by the CLIENT, the procedure which is finalized shall be strictly adhered to.

All pipes shall be supported with necessary supporting arrangement and approval shall be taken for the same before execution.

6.0 INSULATION WORKS OF DG EXHAUST PIPE.

6.1 General

The Insulation of exhaust pipe shall be carried out as per specifications given below & as specified in bill of quantities (BOQ):

6.2 Materials

The materials to be used for insulation shall be as follows, unless some other material is specifically mentioned elsewhere. The detailed specifications of the materials are listed under respective sub head.

6.3 For Vertical Pipes in Shaft

a. First Layer

Pipe insulation : Ceramic Fibre wool (RTZ) Surface Temperature : Up to 450 °C -1260°C

Density : 128 Kg/m³
Thickness of sheet : 25mm
IS : 15402-03
Pipe Dia. : 100mm

b. Second Layer

Pipe insulation : Rock wool

Surface Temperature : Up to 450 °C -1260°C

Density : 150 Kg/m3
Thickness of sheet : 100mm
IS : 8183-1993
Pipe Dia. : 100mm

6.4 For all other areas except Vertical Pipes in Shaft

Pipe insulation : Rock wool
Surface Temperature : Up to 450 °C
Density : 150 Kg/m³
Thickness of sheet : 75mm
IS : 8183-1993
Pipe Dia. : 100mm

Scope:

The scope of this section comprises the supply and application of insulation conforming to these specifications & as mentioned in the BOQ.

6.5 Pipe Insulation: - Unexposed & Exposed to Weather.

- a) Clean the surface of the pipe with wire brushes manually.
- b) Check the size and length of pipe to be insulated and cut the pre-formed Ceramic wool/ Rockwool.
- c) Providing and applying a layer of MAS-17 adhesive over pipe length.
- d) Fix the 25 mm thick Ceramic wool pre-formed pipe section 128Kg/ m³ density followed by another layer of 100mm Rockwool of 150 Kg/ m³ density.
- e) Cover the insulated pipe with 26 SWG aluminum sheet with proper overlaps at circumference with the self tapping screws fixed at maximum 150 mm distance all throughout the overlapping.
- f) After completion of work, remove burrs, dirt, and construction debris, and repair any damaged finishes including chips, scratches, and abrasion. The work location is clean and tidy.
- **Measurement of Insulation:** Unless otherwise specified measurement for insulation for

the project shall be on the basis of center line measurement.

6.7 Measurement of Piping

a) Unless specified otherwise, measurement for piping for the project shall be on the basis of center line measurements described herewith.

- b) Piping shall be measured in units of length along the center line of installed pipes including all pipe fittings, flanges (with gaskets, nut, bolts for jointing), unions, bends, elbows, tees, concentric and/ or eccentric reducers, inspection pieces, expansion loops etc. The above accessories shall be measured as part of piping length along the center line of installed pipes and no special multiples of pipe lengths for accessories shall permitted.
- c) The quoted rates for centre line linear measurements of piping shall include all wastage allowances, pipe supports including hangers, MS channel, wooden haunches, nuts, check nuts, vibration isolator suspension where specified of required and any other item required to complete the piping installation as per the specifications. None of these items will be separately measured nor paid for.
- d) However, all valves (gate/ globe/ check/ purge/ butterfly/ drain etc.). Strainers, thermometers, pressure gages shall be separately counted and paid as per BOQ include.

7.0 INSPECTION AND TESTING AT SITE.

- 7.1 All pre-commissioning and commissioning test and checks shall be carried out at site. The contractor shall be required to produce manufacturer's test certificate for the particular batch of materials supplied to him by the manufacturers. The test carried out shall be as per the relevant standards.
- 7.2 For examination and testing of materials and the works at site the Contractor shall provide necessary testing and gauging equipment as required. All such testing and gauging equipment shall be tested for calibration at any approved labor at any required by the CLIENT.
- 7.3 The Contractor shall give notice well in advance to the CLIENT before commencement of any site testing. All materials like consumable stores, fuel oil grease, lubricating oil etc. required for the trails shall be arranged by the contractor.
- 7.4 The Contractor shall make all necessary hook-ups to carry out tests at site and shall furnish necessary fuel.
- 7.5 The complete installation should be initially started and checked out for operational compliance by manufacturer's representative.

8.0 TRIALS (AT SITE)

8.1 Primary Trials

After completion of erection of generating sets and before carrying out main trials, preliminary site trials shall be conducted in the presence of CLIENT representative. Such trial shall include the checking and adjustment of all the instrument relays. Timers, interlocks and meters. Insulation resistance of stator, rotor and exciter windings shall be checked and reading recorded and their starting accessories supplied with the set.

8.2 Main Trials

- a) The main trials shall include over 8 hours continuous run at full load.
- b) Alternator efficiencies as determined in works test shall be used as the basis of calculation for fuel consumption rate. A tolerance of 3% shall be allowed on the fuel oil consumption to cover possible errors in measurement. Tests providing the satisfactory performance of all safety and operating controls shall be carried out. Governor trials shall be carried out as laid down in BS: 5514. Alternator insulation resistance & commutation check shall be as per BS: 5000.
 - d) Starting time of sets shall be tested at least five times after sufficient time intervals to allow for cold start. On completion of test, inspection doors shall be removed and running gears inspected and alignment checked. Any further reasonable trial as suggested by the CLIENT shall be carried out with no extra charges. All instruments, materials and labour required for carrying out the trials shall be provided by the Contractor. Test sheet of trials shall be forwarded in quadruplicate to CLIENT.

9.0 TEST WITNESS

9.1 Test shall be performed in the presence of CLIENT. The contractor shall give at least thirty (30) days advance notice of the date when the tests are proposed to carried out.

GUARANTEED TECHNICAL PARTICULARS FOR 62.5 KVA DIESEL GENERATOR SET

(Details to be furnished by the tenderer)

SL.	DESCRIPTION	SPECIFICATION
1	Engine	
	Make	
	Model Number	
	Туре	
	Type of cooling system	
	Type of silencer	
	Fuel tank capacity	
	Shaft HP at 1500 RPM	
	Type of Governor	
	Fuel consumption at full load/hour	
2	Alternator	
	Make	
	Model Number	
	Frame Size	
	Rated Voltage	
	Capacity in KVA	
	Excitation	
	% Regulation	
	Type of Enclosures	
	Class of insulation for winding	
	Whether brushless or not	
3	Batteries	
	Make	
	Voltage	
	Capacity in Amp.Hours	
	Whether stand included or not	
4	Coupling	
	Type	
	Whether guard provided or not	
	Whether base plate is included or not	
5	Accessories	
	dia of exhaust pipe	
	thickness of exhaust pipe	
	thickness and type of insulation	
	List of tools normally supplied with the engine	List to be enclosed
6	alternator, free of cost.	separately
	List of spares normally supplied along with	List to be enclosed
7	engine & alternator, free of cost.	separately

Technical Particulars of Acoustic Enclosure

Sr.no	Description	Tenderers offer
1	MS Sheet for main enclosure	
2	Details of frame work	
3	Details of acoustic material	
(a)	Type of wool	
(b)	Density of wool	
(c)	Thickness of wool	
(d)	Type of covering for the ou surface of wool	
(e)	Type of external covering to acoustic material	
(f)	Gauge of sheet	
(g)	Perforation in the sheet	
4		
(a)	Number of doors	
(b)	Size of doors	
(c)	Acoustic insulation for doors	
(d)	Locking system	
5	Type of ventilation	
(a)	No. of fans	
(b)	Type of fans	
(c)	Capacity (CFM)	
(d)	Rating of motors	
6	Approximate reduction in sound lev (db) after proposed acoustic treatment.	
7	Whether the sound level after reduction is within the acceptable limits prescribed by Pollution Control or Local Authority.	

LIST OF APPROVED MAKES

ITEM NO.	DETAILS OF MATERIALS	MANUFACTURER'S NAME	
1	ENGINE	A.	CUMMINS
		В.	VOLVO PENTA
		C.	CATTERPILLAR
		D.	MTU
2	ALTERNATOR	A.	KIRLOSKAR ELECTRIC CO.
		В.	STAMFORD
		C.	AVK -SEG
3	ANTIL-VIBRATION MOUNTING	Α.	RESISTOFLEX
3	ANTE VIBRATION MOONTING		GERBS
		ъ.	GENDS
4	WATER/ FUEL/ EXHAUST PIPING	A.	JINDAL
		В.	PRAKASH SURYA
5	ROCK WOOL INSULATION	Δ	UP TWIGA
J	NOOK WOOL MOOL MON		LLYODS
		ъ.	22.003
6	ANCHOR FASTNER	A.	FISHER
		В.	HILTI
7	RUBBER BELLOW	Α.	RESISTOFLEX
			EQUIVALENT
			AS APPROVED
		•	
8	STEEL STRUCTURES	A.	TATA
		В.	SAIL
9	HEAT RESISTANT PAINT	A.	BERGER
		В.	NEROLAC
		C.	AS APPROVED
10	CERAMIC WOOL INSULATION	A.	LLYODS
11	BATTERY (MOTO-DUTY)	A.	EXIDE
		В.	PANASONIC
		C.	PRESTOLITE
NOTEC	Any other items/ materials required to complete the	work	for which makes are not enecified above the

NOTES:- Any other items/ materials required to complete the work for which makes are not specified above, the contractor shall take prior approval of the Engineer- in charge. Before procurement of any of above material, contractor shall submit all the relevant details/ drawings/ catalogues etc. for approval

BANK GUARANTEE FORMAT TOWARDS EMD

The Indian Bank,
Zonal Office
C-69, RDC, Rajnagar District Center,
Ghaziabad, UP

Dear Sirs,

(Rupees

WHEREAS, THE INDIAN BANK, having its Zonal Office at C-69, RDC, Rajnagar District Center, Ghaziabad, UP, (hereinafter called "the Employer") have issued bid documents for Supply, Installation, Testing and Commissioning of 62.5 KVA DG set for Indian Bank, Ploto No E-16B/1, Sector-30, Noid, UP and whereas is the contractor for the aforesaid work (hereafter called "the Contractor").
AND WHEREAS under the terms and conditions of the said bid documents, the Contractor required and has undertaken to furnish a Bank Guarantee of Rs (Rupee) as Earnest Money Deposit as contained in the said tender document.
We,, having registered office at and brance office at (hereinafter called "the Bank" hereby unconditionally and irrevocably undertake to the Employer immediately upon receipt of the first written demand such amount or amounts as may be demanded by the Employer from us under this Guarantee not exceeding a sum of Rs
We hereby affirm that we are the Guarantor and responsible to you on behalf of th Contractor up to an aggregate sum of Rs(Rupees) such sum or sum being payable in Indian currency and we undertake to pay on your first written demand an without any demur and/or condition, and sum or sums with the aggregate limit of Rs

We agree that no change or addition to or modification of the terms of the tender or of the works is to be performed there under or of any of the tender documents which may be made between you and the Contractor shall in any way release the Bank from any liability under this Guarantee, and we hereby waive notice of any such change, addition or modification.

)

We further agree that the Employer shall have the right to invoke a claim up to the last date of the validity of this Bank Guarantee and that the Employer shall remain the sole judge of the validity of the claim and the Bank agrees not to contest any claim.

We further agree that any change in the Contractor's constitution or their liquidation or dissolution shall not discharge the Bank's liability under this Guarantee.

We further agree that the right of the Employer to make a claim shall not be vitiated by any dispute raised or pending with any Statutory Authority, arbitrator, tribunal or any other body or person.

It is agreed that the Employer's claim shall remain valid even if the Employer has not issued a prior notice or has not proceeded against a Contractor before making such claim.

This Guarantee is confirmed and irrevocable and shall remain valid upto ----- and including ----- and shall remain valid upto such extended period which may be mutually agreed to.

Unless a demand or claim under this Guarantee is made on the Bank in writing on or before ------, the Bank shall be discharged from all liability under this Guarantee.

** BG should be Valid for 90 days from the date of submission of tender.