

INDEX

NAME OF WORK: Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow

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NIT No.:92/EE(E)/LKO/2025-26 containing 1 to 44 pages is here by approved for
₹ 36,25,510/- (Rupees Thirty Six Lacs Twenty Five Thousand Five Hundred Ten only)

Assistant Engineer(E) P

Executive Engineer(E) Lucknow
CPWD, Aliganj, Lucknow.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(El)

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE
(Applicable for inviting open bids)**

Executive Engineer (E.), Lucknow Electrical Division, C. P. W. D., 2nd floor, Kendriya Bhawan, Aliganj, Lucknow, invites on behalf of President of India, **Percentage rate** online e-tenders **from approved and eligible CPWD composite / Building & Road Category contractor** for following works.

S. No.	NIT NO.	Name of work and location	Estimated cost put to bid (Rs.)	Earnest Money	Stipulated Period of Completion of work (in months)	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Time & date of opening of tender
1	2	3	4	5	6	7	8
1	92/EE(E)/LKO/2025-26	Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow	₹ 36,25,510/-	₹ 72,510/-	03 Months	Upto 03:00 PM on 11.08.2025	At 03:30 PM on 11.08.2025

- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

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4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer, inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Bankers Cheque or Fixed Deposit Receipts/ and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.
5. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of <https://etender.cpwd.gov.in>
6. The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eMsigner on their system as per instructions available on download section of <https://etender.cpwd.gov.in>
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of JPG format and PDF format.
9. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue.
In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

List of Documents to be scanned and uploaded within the period of bid submission:-

1. Treasury Challan/Demand Draft/Pay order or Banker's Cheque/Deposit at Call Receipt/FDR/Bank Guarantee of any Scheduled bank against EMD. (drawn in favour of Executive Engineer (E), LCED, CPWD, Lucknow)
2. Enlistment Order of the Contractor.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

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3. Valid electrical licenses.
OR
Undertaking to associate agency having valid electrical license
4. Certificate of Registration for GST and acknowledgement.
5. Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, CPWD (The EMD document shall be issued from the place in which the office of receiving division office is situated).
- 6 Copy of PAN Card.

Assistant Engineer(E) P

Executive Engineer(E) Lucknow
CPWD, Aliganj, Lucknow.

भारतसरकार
केन्द्रीय लोक निर्माण विभाग

पत्रांक: 54(विज्ञापन) / का0अभि0(वै) / 2025-26 / 1943-हि दिनांक 02.08.2025
1. सहायक अभियन्ता (वै0), कानपुर / लखनऊ- I, II एवं III, केलोनिवि, लखनऊ।
2-3 नोटिसबोर्ड एवं NIT No. 92/EE(E)/LKO/2025-26

Assistant Engineer(E)P

Executive Engineer(E) Lucknow
CPWD, Aliganj, Lucknow.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

Annexure-I.

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No. / date)

1. Name of Work: **Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow**

2. NIT No. : **92/EE(E)/LKO/2025-26**

3. Estimated Cost: **₹ 36,25,510/-**

4. Amount of Earnest Money Deposit: **₹ 72,510/-**

In favour of Executive Engineer (E), LCED, CPWD, Lucknow

5. Last date & Time of submission of Bid : -----**11.08.2025**-----

Name of Contractor :

1. Form of EMD

2. Amount of Earnest Money Deposit

3. Date of submission of EMD

.....

Signature, Name and Designation of EMD
receiving officer (EE/AE(P)/AE/AAO) alongwith office stamp

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

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Annexure-II

ON NON-JUDICIAL STAMP PAPER OF MINIMUM RS. 100

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

Form of Bank Guarantee for Earnest Money Deposit /Performance Guarantee/Security

Deposit/Mobilization Advance

- Whereas the Executive Engineer (name of division), CPWD on behalf of the President of India (hereinafter called "The Government") has invited bids under(NIT number)..... dated for (name of work) The Government has further agreed to accept irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date)*..... as Earnest Money Deposit from (name and address of contractor)(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

Whereas the Executive Engineer (name of division), CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number with(name and address of the contractor) (hereinafter called "the Contractor") for execution of work (Name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date)..... as Performance Guarantee/Security Deposit/Mobilization Advance from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

- We, (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

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Rs. (Rupees..... only) on demand by the Government within 10 days of the demand.

3. We,(indicate the name of the Bank), do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupeesonly)
4. We, (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We, (indicate the name of the Bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. We, (indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

8. We, (indicate the name of the Bank), undertake not to revoke this guarantee except with the consent of the Government in writing.

9. This Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date

Witnesses:

1. Signature.....

Authorized signatory

Name and address

Name

Designation

Staff code no.

2. Signature

Bank seal

Name and address

* Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

A.E. (P)

E.E.(El)

CPWD-6 FOR e-Tendering

1. Percentage rate bids are invited on behalf of President of India from approved and eligible contractors of CPWD composite /Building & Road Category contractor for the following works:-

Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow

The enlistment of the contractors should be valid on the last date of submission of bids.

In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

- 1.1 The work is estimated to cost ₹ 36,25,510/-. This estimate, however, is given merely as a rough guide.

- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids. For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.

- ~~1.2 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-~~

~~Criteria of eligibility for submission of bid documents~~

- ~~1.2.1 Conditions for Non CPWD registered contractors only, if bids are also open to non-CPWD Contractors.~~

~~For works estimated cost upto tendering limit of class I Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture category).~~

- ~~(i) Three similar works each of value not less than Rs..... or two similar works each of value not less than Rs..... or one similar work of value not less than Rs..... (all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.~~

- ~~(ii) For EPC tender under Mode I/II only (Applicable for CPWD enlisted contractors of appropriate class also).~~

~~One completed work costing not less than Rs. executed with the structural system technology as proposed by bidder in the letter of transmittal during the last 7 years ending last day of the month previous to the one in which tenders are invited. This work can be part of eligible work at 1.2.1 (i) above or as a separate work.~~

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

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Note:-

~~For works costing above tendering limit of class II Buildings & Roads(erstwhile Composite/ Building/ infrastructure)category contractors but upto tendering limit of Class I Buildings & Roads(erstwhile Composite/ Building/ infrastructure) category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class II and CPWD Class I contractors respectively of Horticulture Category) when bids are open to non CPWD contractors also, then class II contractors of CPWD registered shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above.~~

1.2.2—Criteria of eligibility for CPWD as well as non CPWD contractors,

~~For works estimated to cost above the tendering limit of class I (Super) Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture Category).~~

- (i) ~~Three similar works each of value not less than Rs..... or two similar works each of value not less than Rs.....or one similar work of value not less than Rs.....(all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.~~
- (ii) ~~For EPC tender under Mode I/II only (Applicable for CPWD enlisted contractors of appropriate class also).~~

~~One completed work costing not less than Rsexecuted with the structural system technology as proposed by bidder in letter of transmittal during the last 7 years ending last day of the month previous to the one in which tenders are invited. This work can be part of eligible work at 1.2.2 (i) above or as a separate work.~~

~~The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of bid. This is applicable for 1.2.1 as well as 1.2.2 (Para 1.2.1(i) and Para 1.2.2(i) are not applicable for CPWD enlisted contractors of appropriate class. Para 1.2.1(ii) and Para 1.2.2(ii) are also applicable for CPWD enlisted contractors of appropriate class).~~

To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:-

~~I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer in Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)~~

1.2.3—When bids are invited from non CPWD contractors and CPWD class II contractors as per provisions of clause 1.2.1 above, it will be mandatory for non CPWD contractors and CPWD class II contractors to upload the work experience certificate(s) and the affidavit as per the provisions of clause 1.2.2.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

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~~But for such bids, Class I contractors of CPWD are eligible to submit the bids without submission of work experience certificate and affidavit. Therefore, CPWD class I contractors shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading of these two letters is mandatory otherwise system will not clear mandatory fields.~~

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned), which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **03 Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. (i) The site for the work is available.

OR

~~The site for the work shall be made available in parts as specified below:-~~

.....

(ii) The architectural and structural drawing for the work is available

or

~~The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of work.~~

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
6. After submission of the bid, the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in three stage system and, if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
9. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of Executive Engineer (E), LCED, CPWD, Lucknow) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

A.E. (P)

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A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 03:30 PM on ----**11.08.2025**-----

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - (iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The contractor whose bid is accepted will be required to furnish performance guarantee in favour of Executive Engineer (E), LCED, CPWD, Lucknow at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form.. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

12. The description of the work is as follows: Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances, which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site, whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost, all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise, specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The Competent Authority, for & on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The Competent Authority, for & on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Housing and Urban Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

18. The bids for the work shall remain open for acceptance for a period of 30 (thirty) days from the date of opening of bids in case of single bid system and ~~75 (seventy five) days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system.~~

Further

- (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender, which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely, irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender, which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
19. This notice inviting Bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
- (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

20. For Composite Bids

20.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

20.1.2 The bid document will include following three components:

Part A:- CPWD-6, CPWD-7/8 including Schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023 as amended/ modified up to last date of submission of bids.

Part B:- General / specific conditions, specifications and schedule of quantities applicable to major component of the work.

Part C:- Schedule A to F for minor component of the work (competent authority under Clause 2 and Clause 5 shall be same authority as mentioned in Schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

20.1.3 The bidders must associate himself, with agencies as per NIT conditions.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

20.1.4 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.

20.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award for & on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s).

EE of major component will operate Part A and Part B of the agreement.

EE/DDH in charge of minor component(s) shall operate Part- C along with Part A of the agreement.

20.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.

20.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.

20.1.8 The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-Charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-Charge of relevant component(s).

20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-Charge of relevant specialized component(s).

The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-Charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

20.1.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/ DDH in charge of each relevant component as well as to EE-in-charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.

20.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer- in-Charge of the discipline of minor component directly to the main contractor. The CMB shall be maintained independently by Engineer-in-Charge of major and minor components.

20.1.12A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-Charge of major component after record of completion certificate of all other components.

20.1.12B. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.

20.1.13 In case of non-availability of budget or any other unforeseen situation the scope of work may be reduced. In case of reduction in scope of work no claim on account of reduction in value of work, loss of expected profit, consequential overheads etc. shall be payable to the contractor.

21. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone no 0522-2323990, e- mail Id eeetender@rediffmail.com) or ERP helpline no. 18001803286 or e-mail Id cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

Assistant Engineer(E) P

Executive Engineer(E) Lucknow
CPWD, Aliganj, Lucknow.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(El)

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

Percentage Rate Tender & Contract for Works

(A) Tender for the work of:-

Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow

(i) To be submitted by 3:00 P.M. hours on **11.08.2025** to **Executive** Engineer (E), C.P.W.D., Lucknow.

(ii) To be opened in presence of tenderers who may be present at **03.30 PM** on **11.08.2025** in the office of Executive Engineer(E), C.P.W.D., Lucknow.

Issued to

Signature of officer issuing the documents

Designation

Date of Issue

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for sixty (60) days from the due date of its opening sixty days from the date of opening of financial bid in case tenders are invited on 2/3 envelop system (strike out as the case may be) and not to make any modification in its terms and conditions.

GCC2023 AMENDED UPTO DATE.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(El)

A sum of ₹ 72,510/- is hereby forwarded in cash at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Performance Guarantee.

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 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:
Contractor

Signature of

Witness:

Postal Address

Address:

Occupation:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the President of India for a sum of Rs. (Rupees).

The letters referred to below shall form part of this contract agreement:-

(a)

(b)

(c)

For & on behalf of President of India

Signature

.....

Dated:

Designation

GCC2023 AMENDED UPTO DATE.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

PROFORMA OF SCHEDULES

(Separated Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)

Name of Work:- **Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow**

SCHEDULE 'A'

Schedule of Quantities (as per PWD-3)

As per separate sheets attached for Work.

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any:

As attached in tender form

SCHEDULE 'E'

Reference to General Conditions of contract – GCC 2023 for Maintenance work as amended/modified up to day previous to the last date of submission of bid.

Name of Work:	Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow		
Estimated cost of work:	₹ 36,25,510/-		
Earnest Money :	₹ 72,510/-		
ii) Performance Guarantee:	5% of tendered value		
iii) Security deposit	: 2.5% of the tendered value		
SCHEDULE 'F'			
GENERAL RULES & DIRECTIONS :	<i>Officer inviting tender:</i>	Executive Engineer(E), Lucknow	
	<i>Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3</i>	<u>See below</u>	

GCC2023 AMENDED UPTO DATE.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

PROFORMA OF SCHEDULES	CPWD
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Definitions:

- 2(v) **Engineer-in –Charge**
For Electrical work **Executive Engineer(E), Lucknow,**
CPWD,Lucknow.
- 2(vii) **Accepting Authority** **Executive Engineer(E), Lucknow,**
CPWD,Lucknow
- 2(x) **Percentage on cost of materials and labour to cover** **15%**
all overheads and profits
- 2(xi) **Standard Schedule of Rates:**
Electrical Items of Work: **Schedule of rates DSR– 2022, 2025 & MR with**
correction slip last date previous to date of submission
of tenders.
- 2(xii) **Department:** **Central Public Works Department**
- 9(ii) **Standard CPWD contract FormGCC 2023,** **GCC 2023 for Maintenance work with correction slip**
CPWD Form 7/8 as modified & Corrected **last date previous to date of submission of tenders.**
upto:

- Clause 1** i) **Time allowed for submission of Performance**
Guarantee, Programme Chart (Time and
Progress) and applicable labour licenses, **7 Days**
registration with EPFO, ESIC and BOCW
Welfare Board or proof of applying thereof from
the date of issue of letter of acceptance
- ii) **Maximum allowable extension with late fee @**
0.1% per day of Performance Guarantee **3 Days**
amount beyond the period provided in (i) above

- Clause 2** **Authority for fixing Compensation under** **Chief Engineer, Lucknow**
Clause 2

Clause 5 **Applicable**

- i) **Number of days from the date of issue of letter of** **10 Days or date of handing over**
acceptance for reckoning date of start **of site whichever is later**
- ii) **Time allowed for execution of work** **03 Months**
- iii) **Mile stone** **Nil**

Clause 5.1 (iv) : Monthly progress report shall be submitted by the agency on or before 5th day of every month in case of delay in submission of monthly progress report, a non-refundable recovery @ Rs. 5000/- per week basis shall be made.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

Authority to decide:

- (i) Extension of time **Executive Engineer (E), Lucknow CPWD, Lucknow.**
- (ii) Rescheduling of mile stones **Chief Engineer, Lucknow**
- (iii)
- (iv) Shifting of date of start in case of delay in handing over of site **Chief Engineer, Lucknow.**

PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site:

Part	Portion of Site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance	Full	10 th day
Part B	Portions with encumbrances	Nil	-----
Part C	Portions dependent on work of other agencies	Nil	-----

Clause 5

Applicable Clause 5/ Clause 5A

Clause 5 Applicable

Clause 6, 6A E-MB shall be recorded on ERP Portal / 6A

Clause 7

Gross work to be done together with net payment /adjustment of advances for material collected, If any, since the last such payment for being Eligible to interim payment

Rs 5/-lacs.

Clause 7A

Whether clause 7A shall be applicable

Yes

Clause 10A

List of testing equipments to be provided by the contractor at site lab.: **As per Annexure sheet attached.**

Clause 10 B (ii)

Whether clause 10-B (ii) shall be applicable.

NO

Clause 10 C

Applicable

Clause 10 CC

Applicable/Not Applicable : **Not Applicable**

Schedule of component of other Material, labour, etc. for price escalation, Component of Civil (except Material covered under clause 10CA)/Electrical construction value of work **N.A.**

(ii)

Component of Labour: expressed as percent of total value of component work.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(El)

NOTE:- Xm..... % should be equal to (100) – material covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10 CA + Component of Labour)

Clause 11
Specifications to be followed for execution of work

CPWD specifications for Electrical works Part I Internal – 2005, 2013, 2013 (Amendment), 2023/ Part-II External-1994, 2023/ Part-III-Lift & Escalators - 2003, Amendment No.1/ Heating, Ventilation & Air-Conditioning (HVAC) 2004, 2017, 2017 (Amendments) 2024/ Part-IV Sub Station – 2013/ Part V Wet Riser & Sprinkler Systems – 2020/ Part VI Fire Detection and Alarm System – 2018/Part VIII Gas Based Fire Extinguishing System 2013 English, 2013 /Part VII D.G. Sets - 2013 Amendment 5.11.2024 as amended upto date.

Clause 12

As per GCC-2023 for Maintenance Work with correction slip last date previous to date of submission of tenders.

Clause 16

Competent Authority for deciding reduced rates **Chief Engineer(Lucknow), CPWD, Lucknow.**

Clause 18

List of mandatory machinery, tools& plants

to be deployed by the contractor at site: **As per Annexure as per sheet attached**

Clause 19C	Authority to decide penalty for each default	Executive Engineer (E) Lucknow or successor thereof
Clause 19D	Authority to decide penalty for each default	
Clause 19G	Authority to decide penalty for each default	
Clause 19K	Employment of skilled/semi-skilled workers	As per schedule attached

Clause 25

(i)	Conciliator	:	ADG (Lucknow), CPWD, Lucknow
(ii)	Arbitrator appointing Authority	:	Chief Engineer (Lucknow)
(iii)	Place of Arbitration	:	Lucknow

Clause 32

Requirement of Technical Representative(s) and recovery Rate

S.No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
						Figures	Words
1	Graduate Engineer or	Elect	Principal Technical Representative	2 years	1 No	15,000/- pm	Fifteen Thousand
	Diploma Engineer	Elect	Principal Technical Representative	5 years	1 No	15,000/- pm	Fifteen Thousand

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

Diploma holder with minimum 10 years relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 38

- (i) (a) *Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates..... printed by C.P.W.D.*
- (ii) (ii) *Variations permissible on theoretical quantities:*
 - (a) *Cement*
 - For works with estimated cost put to tender not more than Rs.25 Lakh* *3% plus/minus*
 - For works with estimated cost put to tender more than Rs. 25 Lakh* *2% plus/minus*
 - (b) *Bitumen All Works* *2.5 % Plus & on Nil on minus side.*
 - (c) *Steel Reinforcement and structural steel* *2% plus/minus*
 - Sections for each diameter, section and category*
 - (d) *All other material* *Nil*

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

BE SIGNED BY THE BIDDER AND SAME SIGNATORY COMPETENT/AUTHORIZED TO SIGN THE RELEVANT CONTRACT OF BEHALF OF CPWD.

INTEGRITY AGREEMENT

This Integrity Agreement is made at.....on this.....day of.....20.....

BETWEEN

President of India represented through Executive Engineer,.....,
(Name of Division)

CPWD,.....(Hereinafter referred as the
(Address of Division)

‘Principal/Owner’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....
(Name and Address of the Individual/firm/Company)

Through..... (Hereinafter to as the
(Details of duly authorized signatory)

“Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal /Owner has floated the Tender (NIT No.....) (hereinafter referred to as **“Tender/Bid”**) and intends to award, under laid down organizational procedure, contract for
.....
(Name of work)

hereinafter referred to as the **“Contract”**.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations’, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor (s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as **“Integrity Pact”** or **“Pact”**), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, Therefore, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witness as under:

Article 1: Commitment of the Principal/Owner

- 1) The Principal /Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - b) The Principal/Owner will, during the Tender process treat all bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

Bidder(s) the same information and will not provide to any Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

- c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards and report to the Government/Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - c) The Bidder(S)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(S)/Contract(s) will not use improperly, (for the propose of completion or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business details, including information contained or transmitted electronically.
 - d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives of India, if any. Similarly Bidder(s)/Contractor(s) of India Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender on behalf of one manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
 - e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per Performa enclosed) any and all Payment he has made is committed to or intends to make to agents brokers or any other intermediaries in connection with the award of the Contract.

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

- 3) The Bidder (s)/Contractor (s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage t justified interest of other and/or to influence the procurement process to the detriment of the Government interest.**
- 5) The Bidder (s)/Contractor (s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any right that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right.

- 1) If the Bidder/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determine the contract or has accrued the right to terminate/determine the contract according to Article 3(1), the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code IPC/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same law enforcing agencies for further investigation.

Article 4: Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the tender process.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken for banning of business dealing/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
- 3) If the Bidder/Contractor can prove that he has restored/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own direction, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub- vendors.

Article 6 Duration of the Pact

This Pact being when both the parties have legally signed it. Expires for the Contractor/Vendor 12 (Twelve) Month after the completion of work under the contract or till continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claims is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CPWD.

Article 7- Other Provisions

- 1) This pact is subject to Indian Law, place of performance and jurisdiction is the **Head quarters of the Division** of the Principal/Owner, who floated the tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership of a consortium, this pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provision of this Pact turn out to be invalid, the reminder of this pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity agreement/Pact any action take by the Owner/Principal in accordance with this **Integrity Agreement/Pact or interpretation thereof shall not be subject to arbitration.**

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1.
(Signature, name and address)

2.
(Signature, name and address)

Place:

Dated :

Addition.....Nil.....
Deletion.....Nil.....
Correction..... Nil.....
Overwriting.....Nil.....

Annexure- 'A'

FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND

1. In consideration of the President of India (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement. No. _____ dated _____ made between _____ and _____ (Hereinafter called "the said contractor(s)") _____ for the work _____ (hereinafter called "the said agreement") having agreed to production of a irrevocable bank guarantee for Rs. _____ (Rupees _____ only) as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement, we _____ (indicate the name of the bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____ only) on demand by the Government.

2. We _____ (indicate the name of the bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.(Rupees only).

3. We, the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We _____ (indicate the name of the bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till engineer-in-charge on behalf of the government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P) E.E.(El)

5. We _____ (indicate the name of the bank) further agree with the Government that The Government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We _____ (indicate the name of the bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid upto _____ unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. _____ (Rs. _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of _____ for
 _____ (indicate the name of bank).

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

Annexure- 'B'

AFFIDAVIT

I / We have submitted a bank guarantee for the work _____

(Name of work)

Agreement No. _____ dated _____ from _____ to _____

(Name of the Bank with full address) _____

the Assistant Engineer _____

(Name of Division) with a view to seek exemption from payment of security deposit in cash. This

bank guarantee expires on _____ I / We undertake to keep the validity of the

bank guarantee intact by getting it extended from time to time at my / our own initiative upto a

period of _____ months after the recorded date of completion of the work or

as directed by the engineer-in-charge.

I / We also indemnify the Government against any losses arising out of non – encashment of the bank guarantee if any.

Note :- The affidavit is to be given by the executants before a first class Magistrate

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

A.E. (P)

E.E.(El)

ANNEXURE**Clause- 10 –A & 18*****List of mandatory machinery, tools and plants & testing Equipment to be deployed by the contractor at site***

1.	Steel/Aluminium Ladder 1.5 m to 8 m.	2 Nos.
2.	Chase cutting machines.	2 Nos.
3.	Electrical wire drawing equipment.	2 Set.
4.	Torque wrench for nut/bolt/screws.	2 Nos.
5.	Conduit die set.	2 Set.
6.	Pipe vice.	1 No.
7.	Bench vice.	1 No.
8.	L.T.Megger 500/1010 volts.	1 No.
9.	Tong Tester.	1 No.
10.	Multimeter.	1 No.
11.	Hydraulically operated & hand operated crimping machine.	1 No.
12.	Earth tester.	1 No.
13.	Portable Ordinary drilling machine.	2 Nos.
14.	Portable Hammer drilling machine.	2 Nos.
15.	Overhead conduit puller.	1 No.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(El)

THE MINIMUM ELIGIBILITY CRITERIA FOR D.G. SET WORKS

Component of E&M works	Estimated cost Rs.	Eligibility
SITC of 500 KVA D.G. Set	32,33,575/-	<p>The composite contractor associates other agency(s) for execution of each of the work under "SITC of DG Set" criteria :-</p> <p>The composite contractor and the associated specialized agencies are given required affidavit to confirm their association.</p> <p>The associate agency should have following credential to be eligible for above sub head for which</p> <p>Completion certificate in support of similar work criteria during the last 7 years ending last day of the month previous to the one in which tenders are invited has to be submitted of amount given below: -</p> <p>i) One similar completed work of value not less than 80% of ECPT amount of this work with capacity of individual D.G. Set being 400 KVA.</p> <p>OR</p> <p>ii) Two similar completed works each of value not less than 60% of ECPT amount of this Work with capacity of individual D.G. Set being 400 KVA.</p> <p>OR</p> <p>iii) Three similar completed works each of value not less than 40% of ECPT amount of this work with capacity of individual D.G. Set being 400 KVA.</p> <p>Similar work shall means: - "SITC of DG Set". The Value of executed work shall be brought to current costing level by enhancing the actual value of works at simple rate of 7 % per annum; calculated from the date of completion to the last date of receipt of bids."</p>
<p>Note :- For works of Substation works, The Buildings & Roads category contractor is also be eligible to carry out himself/ herself any or all of these works without associating any specialized agency provided:</p> <p>(a) He fulfills the prescribed eligibility criteria respectively for these work(s).</p> <p>OR</p> <p>(b) He directly procures the equipment of approved make from manufacturer and gets it installed from authorized agency/service provider of the manufacturer or specialized agency as per criteria mentioned in NIT.</p>		

MEMORANDUM OF UNDERSTANDING [M.O.U] BETWEEN

1] M/S [Name of the firm with full address]

Enlistment Status

Valid Upto:

[Henceforth called the main contractor]

And

2] M/S [Name of the firm with full address]

Enlistment Status

Valid Upto:

[Henceforth, called Associated Contractor]

Name of Work : - **Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow**

[Electrical component only] as per schedule, specifications, terms and conditions of the tender.

We state that M.O.U. between us will be treated as an agreement and has legality as per Indian Contract Act (amended up to date) and the department (CPWD) can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent of this MOU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MOU permits.

We have agreed as under:

- 1- The associated contractor shall be liable for disciplinary action if he failed to discharge the action(s) and other legal action as per agreement besides forfeiture of the security deposit.
- 2- All the material, machinery and equipment's, tools and tackles required for execution of the electrical works as per agreement shall be the responsibility of the associated contractor.
- 3- The site staff required for the electrical work shall be arranged by the associated contractor as per terms and conditions of the agreement.

SIGNATURE OF MAIN CONTRACTOR

Date

Place

SIGNATURE OF ASSOCIATED CONTRACTOR

Date

Place

COUNTERSIGNED
EXECUTIVE ENGINEER (E)

Addition.....Nil.....

Deletion.....Nil.....

Correction.....Nil.....

Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

WILLINGNESS CERTIFICATE

Name of Work: **Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow**

I hereby give my willingness to work as associated contractor for the above mentioned work.

I will execute the work as per specifications and conditions for the agreement and as per direction of the Engineer-in-charge. Also, I will employ full time technically qualified supervisor for the works. I will attend inspection of officers of the department as and when required.

Date :

Signature of Contractor

Additional Conditions for DG Set work.

- Specification-:** The The work shall be carried out strictly in accordance with CPWD specifications for Electrical works Part I Internal – 2005,2013, 2013 (Amendment),2023/ Part-II External-1994, 2023/ Part-III-Lift & Escalators - 2003, Amendment No.1/ Heating, Ventilation & Air-Conditioning (HVAC) 2004, 2017, 2017 (Amendments),2024 / Part-IV Sub Station – 2013/ Part V Wet Riser & Sprinkler Systems – 2020/ Part VI Fire Detection and Alarm System – 2018/Part VIII Gas Based Fire Extinguishing System 2013 English, 2013 /Part VII D.G. Sets amendment (05.11.2024) as amended last date previous to date of submission of tender. as amended upto date and as per instructions of the Engineer-in-Charge including as below and nothing will be paid extra. IE Rules, Indian Standards amended upto date and as per direction of Engineer-in-Charge. The additional specifications are to be read with above and in case of any variations, specifications given along with the tender shall apply.
- Location-:** The DG sets are to be installed at **Bird (Bankers Institute of Rural Development), Lucknow** and the contractor is advised to visit the site before submission of their tender and ensure that equipment being offered by them shall be accommodated in the spaces available.
- Inspection by CEA/State Govt. Electrical Safety Department -:** After completion of the work, the contractor will offer the same for inspection of Central Electricity Authority/State Govt. Electrical Safety Department if required. The contractor will extend all help including test facilities to the representative of Central Electricity Authority State Govt. Electrical Safety Department. In case the contractor fails to make desired facilities available during inspection, the department reserves the right to provide the same at the risk & cost of the contractor. The observation of Central Electricity Authority/State Govt. Electrical Safety Department which are a part of agreement will be attended by the contractor promptly. The installation will be commissioned only after receiving clearance from Central Electricity Authority. Inspection fees of Central Electricity Authority will be borne by the department.
- Storage-:** Responsibility for storage space for execution of work shall be of main contractor.
- Power & Water Supply-:** Responsibility for supply of power & water for execution of work shall be of main contractor.
- The material in required quantity to be used in the work shall be got approved from the Engineer-in-charge before its use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not as per specifications.
- Contractor shall preserve the copies of invoices, test certificates; gate passes etc. to prove the genuineness of material/purchases. The responsibility of procurement, genuine material of specialized works shall rest with the contractor.
- No inspection outside the country is permissible if required so the same will be deemed to be waived off and necessary test reports shall be submitted before the dispatch of equipment.**
- If, NIT departs from standard practice of manufacture then standard practice of manufacture shall be prevail.**

Addition.....Nil.....

Deletion.....Nil.....

Correction.....Nil.....

Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

10. **Terms of payment:-** The following percentage of contract rates for the various items included in the contract shall be payable against the stage of work shown herein.
 - i) 70% after initial inspection (wherever specified) & delivery at site in good condition on pro-rata basis.
 - ii) 20% after completion of installation in all respects.
 - iii) Balance 10% will be paid after testing, commissioning and handing over to the department for beneficial use.
 11. **Guarantee:-** All equipments shall be guaranteed for a period of minimum 12 months, from the date of taking over the installation by the department, against unsatisfactory performance and/or break down due to defective design, workmanship or material. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in- Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in- charge in this regard shall be final.
 12. The successful tenderer should furnish well in advance three copies of detailed instructions and manuals of manufacturer's for all items of equipments regarding installation, adjustments, operation and maintenance including preventive maintenance & trouble shooting together with all the relevant data sheets, spare parts catalogue etc. all in triplicate.
 13. All the equipments and fabricated items etc. shall be offered for initial inspection at manufacturer's works. The contractor will intimate the date of testing of equipments at the manufacturers works before dispatch .The successful tenderer shall give advance notice of minimum two weeks regarding the dates proposed for such tests to the Engineer in charge to facilitate his presence during testing. The Engineer in Charge may witness such testing. The cost of Engineers visit to the manufacturer's works will be borne by the Department.
- All routine tests conforming to relevant IS shall be carried out in the presence of Engineer-in-Charge or his authorized representative. The department reserves the right to inspect or not to inspect the equipment at the works of the manufacturer. In the later case confirmation in writing will be issued by the department. However, nothing extra shall be paid for conducting routine test in the presence of department's representative.
- Copies of all manufacturer's routine and type test certificates of the equipments carried out at the manufacturers premises shall be furnished to the inspecting officer and consignee. After completion of work in all respect, the contractor shall offer the installation for testing and operation.
14. All consignments are to be duly insured up to the destination from warehouse at the cost of the contractor. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.
 15. **Technical specifications for DG set work:-**
 - (i) The tenderer shall submit detailed schematic diagram for the approval of the Engineer-in-charge. Tenderer / Contractor will make sure that the equipment offered shall fulfil the design conditions. All the equipments and their installation shall be suitable for the environmental conditions encountered at the location as indicated in specifications. If any deviations from the Tender specification are contemplated, these shall be clearly brought out in the tender along with the reasons for the same. If the tenderer fails to bring out specific deviations, it will be presumed that the work shall be carried out as per tender specifications.
 - (ii) The tenderer shall submit the de-rating calculations for engine along with supporting manufacture catalogues & model no of Engine & Alternator, offered.
 - (iii) **CPCB Norms-** The DG Sets shall be meet the latest requirements of environmental (protection) rules 1986 as laid down by Ministry of Environment & Forests read with GSR 771 (E) dated 11-12-2013 with respect to emission norms of the diesel engine for supplies made on or after 01-07-14 and with respect to noise level GSR 371 (E) dated 17/05/2002

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

for the DG sets supplies made on or after 01-01-05. The firm need to furnish the certificate of Type approval and certificate of conformity of production issued by the Central Pollution Control Board (CPCB) or any authorized agency as prescribed by MoEF / CPCB in the above law.

- (iv) **Scope of work:-** The detailed scope of supply, installation, testing and commissioning includes the following:-
- 1 No. 500 KVA DG Set, prime continuous power rating, capacity at 0.8 power factor developing 415 volts 3 phase 4 wire output with the engine and alternator mounted on common base frame to both DG Set complete and all accessories required. The DG Sets shall be capable of delivering desired KVA at 0.8 P.F for the external load after meeting its own requirement for auxiliaries etc. and after accounting for de-rating due to various factors, site conditions.
 - Necessary acoustic enclosure.
 - Necessary piping required for Fuel system, Lubricating oil system and exhaust.
 - Necessary batteries for starting including its cables.
 - Necessary control Panel as per detailed specification.
 - Necessary set of suitable vibration isolation mountings.
 - Minor building work including cutting and making good of openings in wall and floors, grouting etc. as required.
 - All clamps support etc. for all components of the installation as required.
 - Control wiring from D.G. Set up to control panels and MV distribution panels having AMF facilities.
 - Providing & Fixing/ Laying of power cable of various sizes XLPE insulated PVC sheathed 1.1 KV grade armoured cable for connection between generator and panel.

Additional Conditions

- The work shall be carried out strictly in accordance with CPWD specifications for Electrical works Part I Internal – 2005, 2013, 2013 (Amendment), 2023/ Part-II External- 1994, 2023/ Part-III-Lift & Escalators - 2003, Amendment No.1/ Heating, Ventilation & Air-Conditioning (HVAC) 2004, 2017, 2017 (Amendments), 2024 / Part-IV Sub Station – 2013/ Part V Wet Riser & Sprinkler Systems – 2020/ Part VI Fire Detection and Alarm System – 2018/Part VIII Gas Based Fire Extinguishing System 2013 English, 2013 /Part VII D.G. Sets amendment (05.11.2024) as amended last date previous to date of submission of tender. as amended upto date and as per instructions of the Engineer-in-Charge including as below and nothing will be paid extra.
 - All material shall be got approved from Engineer-in-Charge before use. One sample flat/Bay /Room shall be made for approval of final location of switch boards/ fittings etc. and then only work shall be executed in other flats/bays/Room.
All damages done to the building during execution of Electrical work shall be the responsibility of the contractor and the same will be made good immediately at his own cost to the satisfaction of the Engineer-in-Charge. Any expenditure incurred by the department in this condition shall be recovered from the contractor and decision of the Engineer-in-Charge about recovery shall be final.
 - All hardware items such as screws, thimbles, G.I. wires etc. which are essentially required for completing an item as per specifications will be deemed to be included in the

Addition.....Nil.....
 Deletion.....Nil.....
 Correction.....Nil.....
 Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

item even when the same have not been specifically mentioned. All hardware materials such as nuts/bolts/screws/ washers etc. to be used in the work shall be zinc/cadmium plated iron.

- (c) CONDUIT LAYOUT shall be prepared by contractor and got approved before execution of work. Minimum No. of Junctions to be kept, & if required junctions to be kept underneath the fitting locations in corridor/rooms so that junctions are not visible after fittings are fixed/in position. Drop of conduit shall be well planned w.r.t. location of fitting/D.B. and criss crossing to be avoided. All chases in walls shall be cut using wall grooving machine. For this purpose electricity shall be arranged by contractor.
- (d) Any conduit which is not to be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.
Termination of multi-stranded conductors shall be done using crimping type thimbles at both the ends. Nothing extra shall be paid for the same.
- (e) For Submain Wiring, Colour Code for different phases and Neutral (R.Y.B. black) to be maintained. While circuit wiring, wiring for fan point, wiring for light point shall be done with different colours for easy identification. Wiring for neutral shall be done with black colour and all connections to fans & fittings wherever visible shall be made with white PVC insulated copper wire or wherever cover sleeve may be provided. At Switch board, Switch shall be fixed in a logical manner w.r.t. fittings layout.
- (f) Unless specifically approved by Executive Engineer (E.), loose wire box, above DB shall not be provided however DB's shall have loose wire box of same make.
All connections to MCB's shall be made using thimble/lugs.

All DB's i/c incoming & outgoing MCB's shall be suitably numbered for location/circuits. DB shall be fixed in recess suitably (30 mm. approx. projected from unplastered wall) to ease opening of door. Top of DB to match with door frame height as per site conditions.

- (h) Phenolic laminated sheet shall be of Egg white colour, and shall be filed/rounded at edges and of minimum 3mm thick wherever required.
- (i) All fittings and fans should be properly earthed through the protective conductor.

Provision of earth bars in main boards, earth terminal block in DB's & earth studs in all metal boxes shall be made, connection to this stud shall be crimped.
A clamp type termination should be made in the termination of earth strips (where provided) to pipe electrodes to provide surface type contact.
- (j) The earthing shall be carried out in the presence of the Engineer-in-charge or his authorized representative.
- (k) The size at switch box for providing Modular Plate type Switch/Sockets shall be properly settled to take care of all necessary switches/screws/fan regulators. Blanking plate if required shall also be provided at no extra cost.
- (l) All wiring work shall be carried out them FRLSH wire.
- (m) The contractor shall make his own arrangement at his own cost for electrical/ general tools and plants required for the work.
- (n) All LED light fittings should have minimum 5 years warranty, warranty certificate to be submitted by agency on OEM letter head regarding this.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

- 2- The work shall be carried out according to approved drawings/details which shall be subsequently issued to the successful tenderer for execution of work and as per instructions of the Engineer-in-Charge who will have the right to change the layout as per requirement at site and the contractor shall not have any claim due to change in layout.

The work shall be carried out in engineering like manner. The bad workmanship will not be accepted and defects shall be rectified at contractor's cost to the satisfaction of the Engineer-in-Charge. The programme of electrical works are to be co-ordinated in accordance with the building work and no claim for idle labour will stipulated in the tender, electrical work shall have to be completed alongwith completion of civil work.

All the debris of the electrical works should be removed and the site should be cleared by the contractor immediately after the accruing of debris. Similarly any rejected material should be immediately cleared off from the site by the contractor.

Watch and ward of the material/equipment shall be the responsibility of the contractor till handing over of installation to the department.

The contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein.

- 3- The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However if there is any delay in construction from the department side, the installation may be taken over in parts, but the decision on the same shall rest with Engineer-in-Charge which shall be a binding on the contractor.
- 4- Issue of material to the contractor wherever stipulated, shall be according to the requirement at site from time to time depending upon the program of work.
- 5- The contractor shall have to return the surplus/unused material supplied by the department for use on work at the place of original supply failing which the recovery shall be made at the recovery rate as given the list stipulated materials, if applicable..
- 6- Cement for this bonafied work is to be arranged and used by the contractor himself and nothing extra will be paid on this account.
- 7- The contractor shall make his own arrangement at his own cost for electrical / general tools and plants required for the work.
- 8- The rates of all items of work shall unless clearly specified otherwise, includes the cost of all labour, materials and other input involved in the execution of work.
- 9- Central / State Sales Tax / Contract Tax / GST etc. should be included in the rates tendered. Statutory deductions of contract tax at source shall be made while releasing payment through running/final bills. A certificate specifying the rate and amount of deduction shall however be issued. No Form 31/32 (road permit) shall be issued by the department. The road permit shall be arranged by the tenderer at his own.
- 10- All U.G. Cable work shall be got inspected and measurements test checked by the Assistant Engineer in charge of work and his authorized representative before filling up the trenches, failing which work remain subject to 100% recheck at the risk and cost of the contractor.
- 11- All U.G. Cables before laying shall be got tested for continuity in presence of the authorized representative of the Engineer-in-Charge.

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

- 12- Route of the U.G. Cables shall be got approved from the Engineer-in-Charge or his authorized representative.
- 13- Earthing shall invariably be done in the presence of the Engineer-in-Charge or his authorized representative.
- 14- Contractor shall preserve the copies of invoices, test certificates; gate passes etc. to prove the genuineness of material / purchases which are used at site as per agreement
- 15- Notwithstanding the schedule of quantities, all items of interrelated works considered necessary to make the installation complete and operative are deemed to be included shall be provided by the contractor at no extra cost.
- 16- The secured advance as applicable shall be allowed.
- 17- Completion Plan & Test Certificate: Contractor shall submit completion plan for Internal and External electrical services failing which a recovery 0.1% of tendered amount shall be made from final bill. Contractor has to submit SLDs & layout plan in triplicate in Dwd.pdf & A0 size hard copies in triplicate duly signed and checked by the concerned JE/AE.

Test certificate for the work carried out shall also be submitted failing which recovery @1% of tender amount subject to maximum of Rs.15000/- shall be made from final bill.

Any damage done to the building (Civil & Electrical Work) or any equipment during servicing, repair, new installation, false ceiling shall have to be made by the firm and nothing shall be paid on this account.

- 18- Panels: Drawing of panel shall be submitted for approval within 30 days from award of work and fabrication to be taken up only after approval of such drawing. Before painting proper surface treatment shall be done and then powder coated. These shall be offered for inspection during fabrication.
- 19- Quantities indicated in Schedule of work are only tentative, contractor shall consult AE-in-Charge before procurement. Payment shall be made only for the quantities actually executed and measured.
- 20- Time Period: Contractor has to plan his activities, so that electrical work is to be carried out in close co-ordination with CIVIL work and in no case CIVIL work be delayed because of delay in electrical work and the work has to be completed accordingly.
- 21- The makes for items shall be as per list attached.
- 22- Storage :- Responsibility for storage space for execution of work shall be of main contractor.
- 23- Power & Water Supply:- Responsibility for supply of power & water for execution of work shall be of main contractor.
- 24- The work shall have to be carried out entirely to the satisfaction of Engineer-in-Charge.
- 25- Defect liability period for entire work would be 1 year from date of completion.
- 26- If the contractor fails to associate agency for operation of SITC of DG Set work within 10 day of award of work. A recovery of Rs.15,000/- per day (Maximum upto 5% of tendered amount) for SITC of DG Set service shall be made from running bill payable to the contractor. Incomplete or incorrect document submission for MOU shall be treated as non submission of MoU and recovery for such period shall also be levied.

Assistant Engineer(E) P

Executive Engineer (E) Lucknow
C.P.W.D., Lucknow

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

E.E.(EI)

List of approved makes		
S.no.	Details of material/equipment	Manufacturer's name/make
	I.E.I., MCBDB & MCB, cable & Wires	
1	MCB, Isolator, Industrial Plug Socket, RCCB, RCBO's	Schneider Electric ACTI-9(N)/ Legrand(DX3)/ Hager/ LK (FORMERLY L&T)(Exora)/ABB(S200M)/ Seimens(Betaguard)/ Havells
2	DB / Loose wire Box	Schneider Electric /Legrand/ Hager/ LK (FORMERLY L&T)/ ABB/ Seimens./Havells .
3	Moulded Case Circuit Breaker(MCCB) Thermal release/ Microprocessor based (Ics=Icu=100%)	Schneider Electric NSX series/ Legrand(DPX3)/ LK (FORMERLY L&T)(D-Sine)/ ABB(TMax)/ Seimens(VLseries)/ Havells
4	ACBs with Display	Schneider Electric(MasterpactNW6.0A) / Legrand(DMX3MP4)/ LK (FORMERLY L&T)(U-Power-OMEGA)/ ABB(Emax)PR122/ Seimens(3WL-ETU45B)/ Havells
5	Change Over Switch	LK (FORMERLY L&T)/ Havells/ HPL/ Hager/Indoasian.
6	Automatic Transfer switch(ATS)	Asco/ Russel/ Socomac/ Hager/ ABB/ LK (FORMERLY L&T)/Havells
7	FRLS PVC ins. Copper cond. Single core cable for wiring (ISI marked)	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/ Grandlay/ Plaza cables/Gloster/Bonton/APAR/Rallison
8	Armoured/ Unarmoured telephone cable, coaxial cable	Delton/Finolex/ RR Kabel/ Havells/Legrand/Molex
9	MS Conduit (ISI marked) with heavy duty MS Conduit pipe accessories.	BEC/ NIC/ AKG/ RMCON/JPC/ (Note:- the make of accessories shall be same that of conduit pipe & will comply to IS/14768 part2 2003)/Norpack
10	PVC Conduit (ISI marked) with heavy duty PVC Conduit pipe accessories.	AKG/ norpack/ BEC/ Polypack/ Precision
11	Modular Switch, Socket/Telephone socket/ cable TV Socket/ Data outlet socket/ Fan Regulator/ G I Boxes Etc (Wiring Accessories).	Legrand(Arteor)/ Schneider Electric(Zencilo)/ Hager(Insyta)/MK (blenze)/Havells(Murano)/ABB (Millenium)
12	Selector Switch & Toggle switch	Salzer(LK (FORMERLY L&T))/ Siemens/ Kaycee/ Rishabh/ ABB
13	PVC Trunking	MK/Schneider Electric / Legrand.
14	GI pipe	Tata / Jindal(Hissar)/Jindal(Star)/Sail
15	Paints	ICI/ Asian/Berger
16	Terminal Block & Connectors	Elmex/ Wago/ Hensel/ Connectwell
17	Phenolic laminated sheet/ Bakelite sheet	Hylem/ Formica(P-I grade)/ Mylam/ Greenlam.
18	LT jointing kit / Termination	Reychem/Denson/ Cap Seal/Safekei/ 3M
19	Cat-6 cable, Wires & Fiber optic cable	Avaya/Beldon/Legrand/Molex/ Schneider/Com scope/APAR
20	Call bell/Buzzer	Legrand/Siemens/LK (FORMERLY L&T)/ Moeler/ M.K. /Anchor/ Havells/Philips.
21	Fans & Fittings	
22	LED Fittings	Wipro/ Phillips/ Crompton Greaves/ Havells/ Trilux/ Lighting Technology/ Bajaj/Jaguar/Regent
23	Exhaust Fan/Wall Fan/Fresh Air fan	Havells/ Crompton Greaves/ Usha/ Almonard/Orient.
24	Ceiling Fan	Havells/ Crompton Greaves/ Atom Berg/Crompton
25	Wall Bracket fitting	Wipro/ Phillips/ Crompton Greaves/ Havells/ Trilux/ Lighting Technology/ Panasonic./ /Bajaj/Jaguar
26	LED Lamp	Wipro/ Phillips/ Crompton Greaves/ Havells/ Osram/Jaguar
27	Geysers	Racold/CG/Havells/ Usha/Venus/ Jaguar/Bajaj.
28	Street Lighting	Wipro/ Phillips/ Crompton Greaves/ Havells/ Trilux/ Lighting Technology/ Bajaj/Jaguar/Regent
29	Auto Glow existing signage	Prolite/Auto lite/Glowmake / Glowline
30	LED Post Top fitting/Street Light Fittings	Wipro/ Phillips/ Crompton Greaves/ Havells/Keselac Schreder/Jaguar/ Lighting Technology/Panasonic/Bajaj
31	LED Street light with inbuilt solar panel & controller	Wipro/ Phillips/ Crompton Greaves/ Havells/ Jaguar/ Lighting Technology/Bajaj

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

A.E. (P)

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32	Ornamental MS & CI Pole (Factory Finish)	Keselac Schreder-Ecopole3m ATG in GI with base plate/Valmont/ Wipro/ Phillips/ Crompton Greaves/Bajaj/VSTP
33	Hot Dipped Galvanized Octogonal Pole (Factory Finish)	Valmont/ Wipro/ Phillips/ Crompton Greaves/Bajaj/ VSTP / Consoul
34	Polycarbonate Junction box/ Enclosure	Hensel/ Spelsberg/ Neptune-bals
35	XLPE insulated PVC Sheathed Alum. / Copper conductor Armored cable of 1.1 KV grade	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/Grandlay/ Plaza cables/Gloster/Bonton/APAR/Rallison
36	LT Panel / Meter panel board/Outdoor Feeder Pillar/ APFC Panels / Bus Ducts.	Tricolite Electrical Industries/ Sterling & Wilson/ Milestone/ Adlec control systems Pvt. Ltd./Advance Panels & Switchgears Pvt. Ltd./ Neptune/ SHALABH(U.K)/Pristine./Allied Engineers- Lucknow/ Engineers & Engineers/R.P.Control/MAK/Excel Control System Kanpur/EAP/Prestige Switchgears PVT LTD./Sun Engineering Corporation/Asian Switchgear Kanpur/REPPL
37	Rising Main	C&S/ LK (FORMERLY L&T)/Schneider/Legrand/ Seimens/L&T
38	Sandwich type Bus Trunking	LK (FORMERLY L&T)/Schneider/Legrand/ Godrej/LS Power control.
39	Power/ Aux. contactor 3/4 pole	Schneider Electric / Legrand/ Hager/ LK (FORMERLY L&T)/ ABB/ Seimens/ BCH/Havells.
40	Potential transformer/ Current Transformer	Automatic Electric/ Gilbert & Maxwell/ Matrix/ Precise/ LK (FORMERLY L&T)/ Kappa
41	LED type indicating lamp/ Push Button	Schneider Electric / LK (FORMERLY L&T)/ Seimens/ /Vaishno
42	Over load Relays	Schneider Electric / LK (FORMERLY L&T)/ Seimens/ /ABB/Havells
43	Conventional/ Electronic Digital Meters (A/V/PF/Hz/KW/KWH)	Conzerv/ LK (FORMERLY L&T)/ Secure/ AE/ HPL
44	Timer	Schneider Electric / Legrand/ Hager/ LK (FORMERLY L&T)/ ABB/ Seimens
45	Fastners/ GI Clamp	Hilti/ Fisher/ Chilli/ GMGR
46	D.W. Corrugated HDPE pipe (ISI marked)	Rex/ Duraplast/ Triputi/ Duraline/ CPE
47	Transformer (oil/Dry type)	ABB/ Schneider/ Voltamp
48	HT panel / Ring Main unit	Crompton/ Seimens/ABB/ LK (FORMERLY L&T)/Schneider
49	HT Cable (ISI marked)	CCI/ KEI/ Havells/Polycab/ Universal/Nicco/Paramount cables/Gloster/APAR
50	HT End Termination/ Cable jointing Kit	Reychem/Denson/ Cap Seal/Safekei/ 3M
51	MS / GI Cable tray / Raceways	MEM/BEC/Legrand/OBO/Milestone/Neptune/MK(Honeywell)
52	Lighting arrester	Cape/ABB/Denu/Erigo
53	FASD Starter/ DOL starter / Star delta starter	L&T/ABB/Cutler Hammer/ Schneider/Neptune
	DG Set	
1	Diesel operated generating engine	Cummins India/ Caterpillar/ ashok Layland/ Volvo Penta/ Perkins/Kirloskar/Greaves/ Baudouin
2	Alternator	Stamford/ Lerroy Sommer/ Kirlosker Electric/Caterpillar/ Crompton/ Baudouin
3	DG set Canopy/ Enclosure & AMF panel	As per OEM/ OEA of respective DG set manufacturer
4	Alarm Annunciator	Advani Oralikon/ L&T/ Minilec
5	MS / GI Cable tray, Raceways	MEM/BEC/Legrand/OBO/Milestone/Neptune

NOTE:

1. In case of non availability of the Make & Model given above the NIT approving authority shall decide the equivalent Make & Model which should be used and the decision will be conveyed in writing.

Assistant Engineer(E) P

Executive Engineer (E) Lucknow
C.P.W.D., Lucknow

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

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SCHEDULE OF WORK

Name of work : - Supplying, Installation, Testing and commissioning of 500 KVA DG set at BIRD, Lucknow

S.No.	Description of Items	Qty.	Rate	Unit	Amount
1	Supply, installation, Testing & Commissioning of 'Silent Type Diesel Generating set as per CPCB IV + or better norms along with having Prime Power Rating of KVA as below, 415 volts at 1500 RPM, 0.8 lagging power factor at 415 V suitable for 50 Hz, 3 phase system & for 0.85 Load Factor, including testing at factory and site with fuel, load for test and other necessary arrangements Complete as per CPWD specifications, should have QR code which should contain drawing, test report OEM manual, Geo- Tag of manufacturing location, rating plate as per relevant IS Code etc. and consisting of the followings:				
	(A) Diesel Engine: Turbocharged Diesel engine 4 stroke water cooled, multi cylinder, dynamically balanced fly wheel, electric start of suitable BHP at 1500 RPM suitable for above output of alternator at 40 Degree C, 50% RH & at 1000 Meter MSL , capable of taking 10% over loading for one hour after 12 hours of continuous operation. The engine will be with Electronic governor, Dry type Air filter with service indicator, first filling of engine fuel (after commissioning) lubricating Oil, Coolant and other consumables complete with all the required accessories, the Electronic governor shall be as per ISO 8528. The engine shall comply to the latest CPCB norms (CPCB IV + or better) and Conforming to BS 5514, BS 649, IS 10000, IS 10002, IS 13018 and as per CPWD specifications.				
	(B) Engine mounted Instrument Panel fitted with and having digital display for following:				
	(i) Start-stop switch with key (ii) Water temperature indication (iii) Lubrication oil pressure indication (iv) Lubrication oil temperature indication (v) Battery charging indication and Voltage indication (vi) RPM indication (vii) Over speed indication (viii) Low lubrication Oil trip indication (ix) Engine Running Hours indication (x) Fuel Level				
	(C) Alternator: Synchronous alternator rated of appropriate KVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor at 40 Degree C, 50% RH & at 1000 Meter MSL. The alternator shall be having Screen Protected Drip Proof (SPDP) enclosure IP23, brushless, continuous duty, dynamically balanced rotor, capable of taking 10% over loading for one hour after 12 hours of continuous operation, self cooled, self-excited and self-regulated through AVR conforming to IS13364(Part 2)/IS: 4722/BS 2613 suitable for tropical conditions and with class- H insulation.				

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

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	(D) Base Frame & Foundation: Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary reinforcement which shall be installed on suitable cement concrete foundation and vibration isolation arrangement as per recommendations of manufacturer.					
	(E) FUEL TANK: Daily service fuel tank of suitable liters capacity as per CPWD Specifications, fabricated out of 3 mm thick M.S. sheet complete with all standard accessories and fuel piping between fuel tank and diesel engine with MS class 'C' pipes of suitable dia. Complete with valves, level indications & accessories as required as per specifications.					
	(F) Exhaust System: Dry exhaust manifold with hospital type exhaust silencer and catalytic convertor					
	(G) Starting System: 12V/24V DC starting system comprising of starter motors: voltage regulator and arrangement for initial excitation complete with suitable numbers of batteries (180 AH capacity lead acid SMF type) as required as per specifications. The battery shall be housed inside the acoustic enclosure of DG Set					
	(H) Acoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air in to the atmosphere and the temperature rise inside the enclosure, noise level outside enclosure. The acoustic enclosure should be suitable for cable connection/connection through bus-trunking. Such arrangements on acoustic enclosure should be water proof & dust-proof conforming to IP-65 protection. The enclosure shall be as per CPCB IV + or better norms etc. and as per CPWD specifications.					
	(a) 500 KVA	1	No.	3233575.00	Each	3233575.00
2	Supplying and fixing exhaust gas piping of 150mm(6") dia 'C' Class black steel pipe conforming to IS:1239 Part I cut to required lengths and weld with necessary bends, supports and clamps, antivibration mountings, insulation of exhaust system with mineral wool/rockwool/glasswool 50mm thick, wiremesh & aluminium cladding of 22 SWG etc. as required along the building or in the existing steel supported structure complete as required.	10	Mtr.	5122.00	Mtr.	51220.00
3	Providing & fixing self supported steel support structure for the exhaust pipe of 150mm dia by welding complete with all material such as M.S. Channel, M.S. Angle, M.S. Flat strip including painting complete in all respects. (MS supports provided below the horizontal portion of the exhaust pipe is also covered in the scope of this item).	50	Kg.	120.00	Kg.	6000.00
4	Providing suitable C.C. foundation for installing self supported steel support structure using 1:2:4 cement concrete mixture i/c excavation complete as required.	1	Cum	7549.00	Cum	7549.00

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
Overwriting.....Nil.....

5	Supply of following sizes LT Cables, XLPE Insulated, Cores laid up, PVC outer seathed, armoured with galvanized round steel wire or steel strip cables with suitable for rated voltage of 1.1 KV grade, ISI marked conforming to IS:7088(Part-1)/1988 with latest amendments etc as reqd.					
	(a) 3.5 X 240 sq. mm	100	Mtr	2170.00	Mtr.	217000.00
6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.					
	(a) Above 185 sq. mm and upto 400 sq. mm	60	Mtr	161.00	Mtr.	9660.00
7	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.					
	(a) Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	40	Mtr	192.00	Mtr.	7680.00
8	Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.					
	(a) 300 mm width X 50 mm depth X 1.6 mm thickness	20	Mtr	804.00	Mtr.	16080.00
9	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	Set	7731.00	Set	15462.00
10	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	Set	14317.00	Set	28634.00
11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	10	Mtrs.	731.00	Mtrs.	7310.00
12	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required	5	Mtr	253.00	Mtr.	1265.00
13	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	10	Mtrs.	1605.00	Mtrs.	16050.00
14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	5	Mtrs.	1605.00	Mtrs.	8025.00
					Total	
					Rs.	36,25,510.00

Assistant Engineer(E) P

Executive Engineer (E) Lucknow
C.P.W.D., Lucknow

Addition.....Nil.....
Deletion.....Nil.....
Correction.....Nil.....
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