

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT

(Applicable for inviting open bids)

- The Executive Engineer (E), DED-31, CPWD, IP Bhawan, New Delhi-110002 (e-mail: deleeeed18.cpwd@nic.in) on behalf of President of India invites percentage rate single bid from **Composite /Specialized agency** for the following work :-

Sl. No.	NIT No.	Name of work & location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of bid, EMD, e-tender processing fee and other documents as specified in the press notice	Time and date of opening of Bid
1	2	3	4	5	6	7	8
1	23/EE(E)/DED-31/2026-27	RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan.	Rs. 9,46,995/-	Rs. 18,940/-	01 month	Upto 03:00 PM on 13.07.2026	Upto 03:30 PM on 13.07.2026

The eligibility criteria mentioned as below:

- The firms who fulfill the following requirements shall be eligible to apply. (Joint ventures are not accepted):
 - The approved and eligible contractors registered with CPWD in appropriate class of Composite/ Building/ Building & Road category and undertaking for submission of documents as per S. No. 1(D) at Page No. 2 of NIT.

OR

 - Those of appropriate list of MES, BSNL and other state Govt. Departments in appropriate class who have satisfactorily completed the similar nature works as mentioned below during the last seven years ending previous day of last date of submission of bids:
 - Three similar works each costing not less than Rs. 3,78,798/-.

Or

 - Two similar works each costing not less Rs. 5,68,197/-.

Or

- iii) One similar completed work of cost not less Rs. 7,57,596/-.

Similar nature works means works of “SITC of air cooled automatic voltage regulator.

The value of executed similar 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 last day of month previous to the one in which tenders are invited.

OR

- (C) The other experienced contractors who have satisfactorily completed the similar nature works as mentioned below during the last seven years ending previous day of last date of submission of bids:

- i) Three similar works each costing not less than Rs. 3,78,798/-.

Or

- ii) Two similar works each costing not less Rs. 5,68,197/-.

Or

- iii) One similar completed work of cost not less Rs.7,57,596/-.

Similar nature works means works of “SITC of air cooled automatic voltage regulator.

The value of executed similar 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 last day of month previous to the one in which tenders are invited.

- Should have average annual financial turnover of 50% of the estimated cost during the last three consecutive years ending 31st March 2025. **(Certified from Chartered Accountant with (UDIN) Unique Document Identification Number)**
- Should not have incurred any loss in more than two years during the last five years ending 31st March 2025**(Certified from Chartered Accountant with (UDIN) Unique Document Identification Number)**
- **Solvency Certificate or Networth Certificate:**
Solvency of the amount equal to 40% of the Estimated Cost put to tender (ECPT) (should not be older more than one year from the last date of submission of bid)

OR

Networth certificate of minimum 10% the estimated cost put to tender (Certified from Chartered Accountant with (UDIN) Unique Document Identification Number)

- Certificate of Financial Turn Over: At the time of submission of bid contractor may upload Affidavit/ Certificate from CA mentioning Financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
- D) This work involves specialized work as per CPWD work manual amended upto date. The registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category should either himself meet the eligibility criteria as defined at page no. 5 hereafter for execution of specialized work(s) or shall have to associate specialized agency(s) for execution of the specialized work(s) who meet the eligibility criteria as defined at Page No. 5 hereafter after acceptance of tender.

The registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category along with Performance Guarantee, shall submit his documents fulfilling eligibility criteria defined at page no. 5 if he fulfills eligibility criteria or shall submit documents of specialized agency to be associated fulfilling eligibility criteria defined at page no. 5 along with their consent

letter (Annexure-C as at page No. 13) failing which Performance Guarantee shall not be accepted & their bid will be rejected and action may also be taken against them as per applicable clause.

After approval of associated agency, main contractor has to enter into MOU (Annexure-D as at page No.14) with associate agency through any legal document / stamp paper and submit the copy of MOU to Engr-in-Charge within 07 days of approval of associated agency's documents by competent authority, failing which their tender will be cancelled and they are liable to be debarred for bidding in CPWD/ PWD for a period of one year. The MOU shall be signed by both the parties i.e. main contractor as 1st party and associated specialized Agency as 2nd party, duly attested by notary.

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

(A)	For CPWD registered contractors
a.	Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque/ FDR/Bank Guarantee of any commercial Bank against EMD (Drawn in favour of Executive Engineer (E), ED-18, CPWD, New Delhi).
b.	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). (Format Annex-A1)
c.	Valid enlistment order
d.	GST registration certificate, if already obtained by the bidder. If the bidder has not obtained GST registration 'as applicable', then he shall scan and upload following undertaking along with bid documents. <i>"If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any Payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST Department in this regard".</i>
e.	Affidavit/ declarations to be given on letter head of firm on Format given at Annex-A2 regarding: (a) Contact details: Email and mobile No. of the firm/agency (for making correspondence), (b) Affidavit regarding Non-Debarred/Suspended in CPWD, (c) Declaration under official secret Act 1923
f.	Copy of PAN CARD.
g.	Valid electrical contractor license
h.	The certificate issued through LMS (Learning Management System) in ERP under "Train the Trainers Program" arranged by ERP unit. ERP Training certificate.
i.	Undertaking for association of work with specialized firm.
(B)	For Non CPWD registered contractors
	Contractors enlisted in MES, BSNL, Railway & other State Government Departments dealing with Building and Roads and other experienced contractors, who fulfill the following criteria in addition to above mentioned criteria at Para-A (except (c) of A), shall also be eligible to apply:-

(a)	Certificate of work experience/performance report in the format as per (Form-D) issued by the appropriate authority in the rank of Executive Engineer or equivalent for the works mentioned in (Form-C) , as per eligibility criteria
	(NOTE:- If private works are shown in support of eligibility, certified copy of the tax deducted at source certificate (TDS) Shall be submitted along with the experience certificate and the TDS amount)
(C)	Other experienced contractors
	The bidders who are not registered with any Govt. Department but fulfill the following criteria in addition to above mentioned at para A (except (c) of A) and B above, shall also be eligible to apply and should also upload the following documents in addition to documents mentioned at Para-A & B above.
a.	The Firm should have to furnish an affidavit (To be given on Ten Rupees Non-Judicial Stamp Paper duly notarized) as under:- <i>“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 EMD/Performance Guarantee”.</i>
b.	Certificate of Financial Information from CA. (Form-A)
c.	Banker's Certificate or Net Worth Certificate. (Form-B/ Form B1)

Assistant Engineer (E)-P
DED-31, CPWD
I.P Bhawan, New Delhi

Executive Engineer (E)
DED-31, CPWD
I.P Bhawan, New Delhi

ELIGIBILITY CRITERIA FOR SPECIALIZED E&M WORKS

Firm should have fulfill the following eligibility criteria (whichever is applicable):-

S.No.	Name of Sub Head	Estimated cost of Sub Head	Eligibility Criteria
1	RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan	Rs. 9,46,995/-	1. The registered CPWD contractors in appropriate class of “Composite” / “Building” / “Building and Road” category or associated agency who have satisfactorily completed the similar nature works as mentioned below during the last seven years ending previous day of last date of submission of bids: i) Three similar works each costing not less than Rs. 3,78,798/-. Or ii) Two similar works each costing not less Rs. 5,68,197/-. Or iii) One similar completed work of cost not less Rs.7,57,596/-. Similar nature works means works of “SITC of air cooled automatic voltage regulator. The value of executed similar 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 last day of month previous to the one in which tenders are invited.

CPWD-6 FOR E-TENDERING

1. The Executive Engineer (E), DED-31, CPWD, IP Bhawan, New Delhi-110002 (e-mail: deleeed18.cpwd@nic.in) on behalf of President of India invites percentage rate single bid from **Composite /Specialized** agency for the following work :-

RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan.

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

In case the last date of submission of bids 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 **Rs.9,46,995/-** 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 all matters relating to the invitation of bids.
- For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimate 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 bidder 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:-
- 1.2.1 **Condition for Non-CPWD contractors only, if bids are also open to non-CPWD contractors. For works estimated to cost upto Rs. 20 Crore** _____ **NOT APPLICABLE** _____

~~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 Rs. 10 Lakh) in last 7 years ending previous day of last date of submission of bids. The value of the 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 last date of submission of Bid. This is applicable for 1.2.1 as well 1.2.2.~~

- 1.2.2 **Criteria of eligibility for CPWD as well as non-CPWD contractors.: For works estimated to cost above Rs. 20 Crore** _____ **NOT APPLICABLE** _____

~~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 Rs. 10 Lakh) in last 7 years ending previous day of last date of submission of bids. The value of the 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 last date of submission of Bid. This is applicable for 1.2.1 as well 1.2.2.~~

- 1.2.2(a) **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**.

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 contractor's 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 no clear mandatory fields.

1. 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.
 2. The time allowed for carrying out the work **01 month** will be 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.
 3. The site for the work is available.
 4. 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 etender.cpwd.gov.in free of cost.
 5. 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.
 6. 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.
 7. 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.
 8. Earnest Money in the form of Bankers Cheque / Account Payee Demand Draft / Fixed Deposit Receipt of a commercial bank/ Insurance Security Bonds / Bank Guarantee including e-Bank Guarantee (for balance amount a commercial bank.(drawn in favour of **Executive Engineer (E), ED-18, CPWD, New Delhi** shall be scanned and uploaded to 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 document shall only be issued from the place in which the office of receiving division office is situated).** The EMD receiving Executive Engineer 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. This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.
- 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 lakh, 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 six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.
- (i) Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. **However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.**
 - (ii) Online bid documents submitted by intending bidders shall be opened only of those bidders, **whose EMD deposited with any division office of CPWD and other documents scanned and uploaded are found in order.**
 - (iii) The bid submitted shall be opened **at 03:30 PM Dated.13.07.2026**
9. The bid submitted shall become invalid if;
 - (i) The bidder is found ineligible.
 - (ii) **The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD (The EMD Document shall only be issued from the place in which the office of receiving division office is situated).**
 - (iii) **The bidder does not upload all the documents (including service tax registration/VAT registration/ Sales Tax registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD.**

(iv) 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 tenderer in the office of tender opening authority.

10. The Contractor, whose bid is accepted, will be required to furnish performance guarantee:- **a) PG:- 5% of tendered value of estimated cost put to tender (ECPT) (whichever is higher) b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount within the period specified in Schedule F.** This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Bankers Cheque / Account Payee Demand Draft / Fixed Deposit Receipt of a commercial bank/ Insurance Security Bonds / Bank Guarantee including e-Bank Guarantee (for balance amount a commercial bank.(in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Commercial bank or the State Bank of India 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 license/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board and Programme Chart (Time and Progress) within the period specified in Schedule F.

11. The description of the work is as follows:
RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan.
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 bidders 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.
12. The competent authority 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.
13. 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 to be rejected.
14. The competent authority 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.
15. 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 Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

16. 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 Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
17. The bid for the works shall remain open for acceptance for a period of **Thirty days (30)** from the date of opening of bids **in case of single bid system/** ~~Sixty (60) days from the date of opening of PQ/Technical bid in case bids are invited on 2 bid/envelope system/~~ ~~one hundred twenty (120) Days from the date of opening of technical bid in case of bids are invited on three bid/envelope system~~ (strike out as the case may be). If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the rebidding process of the work.
18. This notice inviting bid shall form a part of the contract document. The successful bidder/contractors, 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 8 or other Standard C.P.W.D. Form as applicable.

Assistant Engineer (E)-P
DED-31, CPWD
I.P Bhawan, New Delhi

Executive Engineer (E)
DED-31, CPWD
I.P Bhawan, New Delhi

LETTER OF TRANSMITTAL

(For NON CPWD contractors and other experienced contractors)

[On the Letterhead paper of the Tenderer, or partner Responsible including full Postal address,
telephone no., fax no. and E-Mail and cable address]

No.-----

Date:

To,

Executive Engineer(E),
DED-31, CPWD
I.P bhawan ,New Delhi-110002

Name of Work: RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan.

Sir,

Having examined the details given in press Notice and bid document for the above work, I / We hereby submit the relevant information.

1. I / We hereby certify that all the statements made and information supplied in the enclosed forms A to D and accompanying statement are true and correct.
2. I / We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
I / We submit the requisite certified Net Worth certificate and authorize the Executive Engineer(E), DED-31, CPWD, New Delhi to approach the Bank issuing the Net Worth certificate to confirm the correctness thereof. I / We also authorize Executive Engineer (E), DED-31, CPWD, New Delhi
3. To approach individuals, employers, firms and corporation to verify our competence and general reputation.
4. I / We submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following works :

Sl.No.	Name of work	Certificate from

Enclosures:

Seal of bidder

**DETAILS OF ALL WORKS OF SIMILAR-CLASS COMPLETED DURING THE
LAST SEVEN YEARS**

S. No.	Name of work / project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / Arbitration cases pending / in progress with details *	Name and address / telephone number of officer to whom reference may be made	Remarks i/c grant of extension of Time with/without levy detail	Whether similar works have been executed on back to back basis (Yes/No)
1	2	3	4	5	6	7	8	9	10	11

* Indicate gross amount claimed and amount awarded by the Arbitrator

SIGNATURE OF BIDDER(S)

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORM "C"

1. Name of Work/Project & Location
2. Agreement No.
3. Estimated Cost
4. Tendered Cost
5. Value of Actual work done
6. Date of Start
7. Date of Completion
 - (i) Stipulated Date of Completion
 - (ii) Actual Date of Completion

Dated :

Executive Engineer or Equivalent

Address & Phone No. :

**CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY OF MAJOR COMPONENT OF
WORK**

(To be submitted for each and every E&M Component)

Name of Work: RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan.

I / We hereby give my consent to associate with M/s, for executing the minor component of work of (Mention Sub work).

1. I / We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer –in-Charge for the corresponding minor work till the completion of the work.
2. I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during the defect liability/ warranty period.
3. Also I / We will employ full time technically qualified Engineer / supervisor for the minor component of the work as specified in clause 36 of the work. I / We will attend inspection of officers of the department as and when required.

Date:

Signature with date of Major component

Contractor
Address

Signature with date of Associate/ Minor
Component
Contractor
Address

Witness with address
(From major component contractor side)

Witness with address
(From minor component contractor side)

AFFIDAVIT OF MEMORANDUM OF UNDERSTANDING [M.O.U]

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: RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan.

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act [amended upto 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 this MOU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MOU permits. In case of any dispute, either of us will go for mediation/arbitration by the **Engineer in Charge**. Any of us may appeal against the mediation to the EE(E), DED-31, CPWD, New Delhi. His decision shall be final and binding on both of us.

We have agreed as under:

- 1] The Associated contractor will execute all electrical and mechanical works in the wholesome manner as per terms and conditions of the agreement.
- 2] The Associated contractor shall be liable for disciplinary action if he failed to discharge the action[s] and other legal action as per agreement.
- 3] All the machinery and equipments, tools and tackles required for execution of the electrical and mechanical works, as per agreement, shall be the responsibility of the Associated Contractor.
- 4] The site staff required for the electrical work shall be arranged by the Associated contractor as per terms and conditions of the agreement.
- 5] Site order book maintained for the said work shall be signed by the main contractor as well as by the Engineer of the Associated Contractor and by Associated Contractor himself.
- 6] All the correspondence regarding execution of E&M work shall be done by the Department with the Associated Contractor with a copy to the main contractor. In case of non-compliance of the provisions of agreement, the main contractor, as well as the associated contractor shall be responsible. The action under clauses 2 and 3 shall be initiated and taken against the main contractor.

SIGNATURE OF MAIN CONTRACTOR

SIGNATURE OF ASSOCIATED CONTRACTOR

Date:

Date :

Place :

Place :

Witness with address

(From major component contractor side)

Witness with address

(From minor component contractor side)

भारत सरकार GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग CENTRAL PUBLIC WORKS DEPARTMENT

राज्य STATE : **Delhi**

अंचल Zone

: **SE/DC-1**शाखा BRANCH : **E & M**

मंडल DIVISION

: **EE(E)-DED-31**

कार्यों के लिए मददरनिविदा एवंसंविदा

Percentage Rate Bid & Contract for Works

(A) कार्य के लिए निविदा : **RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan.**
 Bid for the work of

1. Bids to be submitted online by **03:00 PM Dt. .13.07.2026**
2. To be opened on line in presence of bidders who may be present at **03:30 PM Dt. .13.07.2026 in the office of the Executive Engineer(E), DED-31, CPWD, I.P Bhawan, New Delhi.**

निविदा TENDER

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची क,ख,ग,घ, ङ, और च, लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, ठेके के उपबंध, विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तों में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

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

मैं/हम, एतद्वारा भारत के राष्ट्रपति के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा—मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम-1 और ठेके की शर्तों के खंड-11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती है और उसके संबंध में, ऐसी शर्तें जो लागू हों, के अनुरूप निष्पादन हेतु निविदा देता हूँ/देते हैं।

I/We hereby bid 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 respects with the specifications, designs, drawings 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 respects in accordance with, such conditions so far as applicable.

I/We agree to keep the bid open for **30 (Thirty) days from the date of opening of financial bid in case bids are invited on 1 envelop system, Ninety (90) days from the date of opening of financial bid in case bids are invited on 2 envelop system and one hundred twenty (120) days from the date of opening of technical bid in case bids are invited on 3 bid system for specialized work** and not to make any modifications in its terms and conditions.

A sum of **Rs. 18,940/-** is here by forwarded in fixed deposit receipt of commercial bank or Bank Guarantee issued by a commercial bank, as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period. I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be 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 his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the bid documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in schedule 'F' and 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 bid form. Further I/we agree that in case of forfeiture of Earnest money or both earnest money & 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 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.

मैं/हम एतद्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखा को गुप्त/गोपनीय कागजात के रूप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हो, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

I/We hereby declare that I/we shall treat the bid documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom 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.

तारीख**Dated:**

ठेकेदार के हस्ताक्षर**Signature of Contractor**
डाक पता**Postal Address**

साक्षी**Witness : #**

पता**Address: #**

उपजीविका**Occupation : #**

स्वीकृति/ACCEPTANCE

मैं भारत के राष्ट्रपति की ओर से तथा उनके लिए रु0:-/- (रुपये
.....) की राशि के लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूँ।

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

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

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

i) *

ii) *

iii) *

भारत के राष्ट्रपति की ओर से तथा उनके लिए

For & on behalf of the President of India

हस्ताक्षर Signature

तारीख Dated *.....

पदनाम Designation

कार्यों की अनुसूचियाँ SCHEDULES FOR WORK

अनुसूची 'क' SCHEDULE 'A'

मात्राओं की अनुसूची (संलग्न) : As per schedule of work attached
Schedule of quantities (Enclosed)

अनुसूची 'ख' SCHEDULE 'B'

ठेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची
Schedule of materials to be issued to the contractor

क्रम. सं. Sl. No.	मद विवरण Description of item	मात्रा Quantity	जिस दर पर सामग्रियाँ ठेकेदार को प्रभावित होगी वह दर अंकों एवं भावों में Rates in figures & words at which the material will be charged to the contractor	निर्गत स्थान Place of issue
1	2	3	4	5
	----- NIL -----			

अनुसूची 'ग' SCHEDULE 'C'

ठेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र
Tools and plants to be hired to the contractor

क्रम. सं. Sl. No.	विवरण Description	भाड़ा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of issue
1	2	3	4
	----- NIL -----		

अनुसूची 'घ' SCHEDULE 'D'

कार्य के लिए विषेश अपेक्षाएं/दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची
General conditions and requirements / documents for the work, if any, specification of work, if any etc.

अनुसूची 'ङ' SCHEDULE 'E'

- 1 ठेके की सामान्य शर्तों का संदर्भ : General Conditions of Contract
Reference to General Conditions of Maintenance work for Central PWD Works 2023 as amended/ modified up to last date of submission of bid
- (i) कार्य का नाम: : RMO E&M Services at Sankhyiki Bhawan
Name of Work:- in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan.
- (ii) कार्य की अनुमानित लागत : Rs.9,46,995/-
Estimated cost of work:
- (iii) धरोहर राशि : Rs.18,940/-
Earnest money:

- (iv) निष्पादन गारंटी
Performance Guarantee : : a)PG:- 5% of tendered value of estimated cost put to tender (ECPT) (whichever is higher).
b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
- (v) प्रतिभूति निक्षेप:
Security Deposit: 2.5% of Work Done

अनुसूची 'च' SCHEDULE 'F'

सामान्य नियम एवं दिशानिर्देश: General Rules & Directions

निविदा आमंत्रण करने वाला प्राधिकारी : *Executive Engineer (Electrical)*
Officer Inviting Bids *DED-31, CPWD, New Delhi*

कार्य की मदों की मात्रा के लिए अधिकतम : *No limit*
प्रतिशत जिससे अधिक निष्पादित मदों के लिए
दरों का निर्धारण खण्ड 12.2 और 12.3 के
अनुसार होगा. निम्नानुसार

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

परिभाषाएँ:—Definitions:

- 2(v) भारसाधक इंजीनियर : *Executive Engineer (E)*
Engineer-in-Charge *DED-31, CPWD, New Delhi*
- 2(viii) स्वीकार कर्ता प्राधिकारी : *Executive Engineer (E)*
Accepting Authority *DED-31, CPWD, New Delhi*
- 2(x) अतिरिक्त और लाभों को पूरा करने के लिए : *15%*
सामग्रियों की लागत पर प्रतिशतता
Percentage on cost of materials and
labour to cover all overheads and
profits
- 2(xi) दरों की मानक अनुसूची : *DSR 2025 & Market Rates*
Standard Schedule of Rates
- 2(xii) विभाग : *Central Public Works Department*
Department
- 9(ii) मानक के.लो.नि.वि. ठेका फार्म, संशोधित और : *GCC for maintenance work 2023, CPWD*
शोधित के.लो.नि.वि. फार्म *form 7/8 as modified and corrected upto*
Standard CPWD contract form *last date of submission of bid*

खण्ड-1

Clause 1

- (i) स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय, दिनों में।

Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days

- (ii) अनुमत समय के उपरान्त अधिकतम स्वीकार्य एक्सटेंशन, निष्पादन गारंटी के 0.1% प्रतिदिन की लेटफीस सहित, दिनों में।

Maximum allowable extension with late fee @ 0.1% per day of performance guarantee amount beyond the period provided in (i) above

खण्ड-2

Clause 2

खण्ड 2 के तहत प्रतिकर निश्चित करने वाला प्राधिकारी : SE-DC-1

Authority for fixing compensation under Clause 2

खण्ड-2ए

Clause 2A

क्या खण्ड 2क लागू होगा। : No

Whether Clause 2A shall be applicable

खण्ड-5

Clause 5

कार्य आरम्भ करने की तारीख की गणना के लिए स्वीकृति पत्र जारी होने की तारीख से दिनों की संख्या : 10 days

Number of days from the date of issue of letter of acceptance for reckoning date of start

लक्ष्य मील-पत्थर। सारणी: लक्ष्य नीचे दी गई सारणी अनुसार

Table of Milestones: --As per Table given below

Sl. No.	Description of Milestone (Physical)	Time Allowed in Days (from date of start)	Amount to be withheld in case of non-achievement of milestone (Percentage of bid amount)
Nil			

कार्य निष्पादित करने के लिए अनुमत समय : 01 month

Time allowed for execution of work

निर्णायक प्राधिकारी

Authority to Decide :

1 समय विस्तार : SE-DC-1
Extension of time

- 2 उपलब्धियों का पुनः अनुसूचिकरण : *N.A.*
Rescheduling of milestones
- कार्य पूरा करने के लिए उचित और तार्किक : *N.A.*
समय वृद्धि देने वाला प्राधिकारी
Authority to give fair and reasonable
extension of time for completion of
work

खण्ड Clause 6

Computerized Measurement Book / Electronic
Measurement Book : Electronic Measurement Book (EMB)
through CPWD ERP Portal & modified as per
OM No.DG/CON/Maintenance 2023/19
Dated 25.03.2026

खण्ड-7

Clause 7

अंतरिम भुगतान के लिए पात्र होने के लिए : *N.A.*
अंतिम ऐसे भुगतान के बाद कुल भुगतान
एकत्रित सामग्रियों के अग्रिमों के समायोजन
सहित किया जाने वाला कुल कार्य
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

खण्ड-7ए

Clause 7A (Modified)

No Running Account Bill shall be paid : *Not Applicable*
for the work till the applicable labour
licenses, registration with EPFO, ESIC
and BOCW Welfare Board, whatever
applicable, are submitted by the
contractor to the Engineer-in-charge.
Whether Clause 7A shall be
applicable.

खण्ड-10(क)

Clause 10A

कार्यस्थल प्रयोगशाला में ठेकेदार द्वारा उलब्ध : *As per requirement at site and as per*
कराये जाने परीक्षण उपकरण की सूची *direction of engineer-in-charge*
List of testing equipment to be
provided by the contractor at site lab

खण्ड-10(ख)(ii)

Clause 10B(ii)

क्या खण्ड 10(ख);पपद्ध लागू होगा। : *No*
Whether Clause 10 B(ii) shall be
applicable

खण्ड-10(ग)

Clause 10C

श्रम घटक को कार्य के मूल्य के प्रतिशत के : *N.A.*
रूप में अभिव्यक्त किया गया है।
Component of labour expressed as
percent of value of work

खण्ड-10(गक)

Clause 10CA

Whether clause 10CA shall be : *No*
applicable

इस खण्ड में प्रावधित सामग्री	सामग्री (सीमेन्ट, प्रबलन छड़ें तथा ढाँचागत स्टील के सिवाय) जो अखिल भारतीय थोक मूल्य सूचकांक के सर्वाधिक अनुरूप है।	खण्ड 10 ग क के अन्तर्गत समाविष्ट सभी सामग्रियों की मूल कीमतें
Materials covered under this clause	Nearest Materials (other than cement, reinforcement bars and structural steel) for which All India Wholesale Price Index to be followed	Base Price of all the materials covered under clause 10CA*

- 1.
2. -----N/A-----
- 3.

* खण्ड 10 ग क के अन्तर्गत समाविष्ट सभी सामग्रियों की मूल्य कीमतों का वर्णन एन0आई0टी0 के अनुमोदन के समय किया जाना है।

* Base price of all the materials covered under clause 10CA is to be mentioned at the time of approval of NIT.

खण्ड.10 गग

Clause 10CC

खण्ड 10गग उन संविदाओं पर लागू होगा : *No*
जिसमें कार्य समापन की अवधि, अगले कालम में दर्शायी गई अवधि से अधिक अनुबंधित है।
Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column

मूल्य वृद्धि के लिए अन्य सामग्री, श्रम, पी.ओ.एल आदि के घटकों की अनुसूची।

Schedule of component of other Materials, Labour, POL etc. for price escalation

निर्माण कार्य सामग्री के लिए सिविल घटक (खंड 10 ग के अन्तर्गत शामिल सामग्रियों को छोड़कर)/वैद्युत कार्य में कुल मूल्य के प्रतिषत के रूप में प्रदर्शित

(i) Component of Civil : *Not Applicable*

(ii) **(Except material covered under clause 10CA)**
Electrical construction materials expressed as percent of total value of work

(iii) श्रम के घटक के कुल मूल्य की प्रतिषत के रूप में प्रदर्शित
Component of Labour expressed as percent of total value of work

पी.ओ.एल के घटक-कार्य के कुल मूल्य के प्रतिषत के रूप में प्रदर्शित : *Not Applicable*
Component of POL expressed as percent of total value of work

खण्ड— 11**Clause 11**

कार्य निष्पादन के लिए अनुपालन किए जाने वाले विनिर्देश : **C.P.W.D. General Specification for Electrical Works, Part-I (Internal) 2023, C.P.W.D. General Specification for Electrical Works, Part-II (External) 2023, as amended up to date.**

Specifications to be followed:

खण्ड — 12 Clause 12 Type of Work 12.2 Deviation limit beyond which clause 12.2 shall apply for building work	<i>Upgradation/Maintenance work</i> No Limit
--	--

खण्ड—16**Clause 16**

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी : **SE/DC-1, CPWD, New Delhi Or successor thereof**

Competent Authority for Deciding Reduced Rates

खण्ड—18**Clause 18**

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य मशीनरी, औजार एवं सयंत्रों की सूची: : **As per manufacturer recommendation**

List of mandatory machinery, tools & plants to be deployed by the contractor at site

खण्ड—25**Clause-25****Constitution of Dispute Redressal Committee**

Settlement of Dispute by Conciliation and Arbitration

SI. No.		
(i)	Conciliator	ADG (Delhi), Nirman Bhawan, New Delhi
(ii)	Arbitrator Appointing Authority	SE/DC-1, CPWD, New Delhi
(iii)	Place of Arbitration	New Delhi

खण्ड—31**Clause 31**

: **NA**

खण्ड—32(i)**Clause 32(i)**

As amended SE(W&TLQA) office OM No. 23(G)/ADG(D)/W&TLQA/2024-25/3096 dated 20.05.2025

Requirement of Technical Representative(s) and Recovery Rate

Cost of work	Minimum Qualification of Technical representative	Discipline	Designation (Principal Technical Representative / Technical Representative)	Minimum Experience (Years)	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 Diploma Engineer	1	2 or 5 respectively	Project Manager cum Planning/ quality/Site/ billing Engineer	Rs- 50000/- per month per person		

NOTE: Assistant Engineer retired from Govt. services that are holding Diploma will be treated at par with Graduate Engineer.

खण्ड-42

Clause 42

- (i) Schedule/Statement for determining theoretical quantity of cement and bitumen on the basis of Delhi schedule of Rate 2007 printed by C.P.W.D. : *Not Applicable*
- (ii) Variations permissible on theoretical quantities : *Not Applicable*
- a) Cement for works with estimated cost put to bid not more than Rs.5 Lakh. : *Not Applicable*
- b) Bitumen for all works : *Not Applicable*
- c) Steel Reinforcement and structural steel sections for each diameter, section and Category : *Not Applicable*
- d) All other material : *Not Applicable*

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond Permissible Variation	Less use beyond the Permissible Variation
.....Not Applicable.....			

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(E), DED-31, CPWD, New Delhi on behalf of the President of India (hereinafter call "The Government") has invited bids under ___/EE(E)/CPWD/2024-25, _____ dated _____ for _____ (Name of work) _____. The Government has further agreed to accept irrevocable Bank Guarantee of Rs. _____ (Rupees_____only) valid upto _____ (date)* _____ a 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(E), DED-31, CPWD, New Delhi on behalf of the President of India (hereinafter call "The Government") has entered into an agreement bearing number..... ___/EE(E)/CPWD/2024-25, with(name and address of 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. (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

- We (indicate the name of the bank) (herein after referred to a "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees..... only) on demand by the Government within 10 days of the demand.
- We, (indicate the name of the bank) do hereby 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. (Rupees.....only).
- We (indicate the name of the Bank)..... Further undertake to pay the Government any money o 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 the 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 undertake to pay the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder 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.
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. The Bank Guarantee shall be valid upto 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
Name and address

Authorized signatory
Name
Designation
Staff code no.
Bank seal

2. Signature
Name and address

* Date to be worked out on the basis of validity period of 120 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.

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) _____

to the Executive 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

**To be signed by the bidder and same signatory competent / authorized to sign
the relevant contract on behalf of CPWD.**

INTEGRITY AGREEMENT

This Integrity Agreement is made aton this day of 20.....

BETWEEN

President of India represented through Executive Engineer (E),
CPWD, DED-31, New Delhi

CPWD, DED-31, New Delhi (Hereinafter referred as the '**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 referred to as the "**Bidder/**

(Details of duly authorized signatory)

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 **as per tender document**. here in after 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 witnesses 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 Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the 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 of the principles herein mentioned or if there be a substantive 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 in 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)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and 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 in India, if any. Similarly Bidder(s)/Contractor(s) of Indian 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 but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another 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 proforma enclosed) any and all payments 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.
- 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 to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
- 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 rights 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(s)/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) **Forfeiture of EMD/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/determined the Contract or has accrued the right to terminate/determine the Contract according to article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to 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 to law enforcing agencies for further investigation.

Article 4: Previous 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.
- 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 dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, 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 Subcontractors/ sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 06 Months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim 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 has 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 or 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 provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 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 taken 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.

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 :

FORMAT OF RECEIPT OF DEPOSITION OF ORIGINAL EMD

<u>RECEIPT OF DEPOSITION OF ORIGINAL EMD</u> (RECEIPT NO. / DATE)
Name of Work:- RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan). 1. NIT No.23/EE(E)/DED-31/2026-27 2. Estimated Cost Rs. 9,46,995/-* 3. Amount of Earnest Money Deposit Rs. 18,940/-* 4. Last Date of Submission of Bid 13.07.2026 UPTO 03:00 PM (*To be filled by NIT approving authority / EE at the time of issue of NIT and uploaded along with NIT)
1. Name of Contractor# 2. Form of EMD# 3. Amount of Earnest Money Deposit# 4. Date of Submission of EMD# <i>Signature, Name and Designation of EMD Receiving officer (EE/AE(P)/AE/AAO) along with Office Stamp</i> (# To be filled by EMD receiving EE)

FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, the contractor (Name of contractor) (Herein after called "the Contractor") has submitted his tender dated (Date) for the work "..... (Name of Work) (Hereinafter called "the Tender").

KNOW ALL PEOPLE by these presents that we (Name of bank) having our registered office at (Hereinafter called "the Bank") are bound to (Name and Division Office of Executive Engineer) (Hereinafter called "the Engineer-in-charge") for the sum of Rs. (Rs. in words) only for which payment, well and truly, to be made to the said Engineer-in-Charge, the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20....

THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;
OR
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,
OR
 - (c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor, OR
 - (d) fails or refuses to submit fresh Bank Guarantee of an equal amount of the Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-Charge either upto the above amount or part thereof upon receipt of the first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

The Guarantee will remain in force upto and including the date* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension (s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE

SIGNATURE OF THE BANK

SEAL

(SIGNATURE, NAME AND ADDRESS)

WITNESS

*Date to be worked out on the basis of validity period of 7 months from last date or receipt of tender.

**FORM OF PERFORMANCE SECURITY (GUARANTEE)
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 between and (Herein after called "the said contractor(s)" for the work (Herein after called "the said agreement") having agreed to production of an 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 Bank*) (Hereinafter referred to as "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 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 is 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..... (Rs.) only.
3. We, the said bank, further undertake to pay the Government any money so demand 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 claim satisfied or discharged or till Engineer-in-Charge on behalf of the Government certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.
5. We.....(*indicate the name of Bank*) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting 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 forebear 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 bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid uptounless extended on demand by 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 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, theDay of.....For..... (Indicate the name of the Bank)

Note: - Performance guarantee shall be remain valid for a minimum period of 06 months beyond the date of completion of all contractual obligations as per GCC . The other terms and conditions of release etc. of Additional Performance Guarantee (APG) shall be same as that of PG.

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/19

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 25.03.2026

Subject: Modifications in Clause 6 and Schedule 'F' of GCC 2023 Maintenance Works

The following modifications are made in the Clause 6 and Schedule 'F' of GCC 2023 for maintenance works, for annual repair and maintenance works, special repair works, comprehensive maintenance works and upgradation works amounting upto Rs. 10 crores in Delhi only.

Existing provision	Modified provision
Clause 6: Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal Engineer-in-Charge with the contract. All measurements and levels of work done during the period covering latter half of the preceding calendar month and first half of the calendar month shall be recorded by the contractor and compiled in the shape of the Computerized Measurement Book (CMB) / Electronic Measurement Book (EMB) through CPWD ERP portal / Computerized Level Book (CLB) respectively having pages of A-4 size as per the format of the department so that a complete record is obtained of all the items of works executed under the contract during the said period. The proforma Computerised Measurement and level books (along with soft copy) shall be submitted in triplicate through letter of transmittal to the Engineer-in-charge giving details of number of CMBs / CLBs and their number of pages by 20th day of every calendar month. In case of EMB, calendar month.	Clause 6: Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal Engineer-in-Charge with the contract. All measurements and levels of work done during the period covering latter half of the preceding calendar month and first half of the calendar month shall be recorded either by contractor or jointly by department and contractor as specified in Schedule F and compiled in the shape of the Computerized Measurement Book (CMB) / Electronic Measurement Book (EMB) through CPWD ERP portal / Computerized Level Book (CLB) respectively having pages of A-4 size as per the format of the department so that a complete record is obtained of all the items of works executed under the contract during the said period. The proforma Computerised Measurement and level books (along with soft copy) shall be submitted in triplicate through letter of transmittal to the Engineer-in-charge giving details of number of CMBs / CLBs and their number of pages by 20th day of every calendar month.. No change.

Page 1 of 3

25/3/26
D.P. Jindal
EE (Contract)

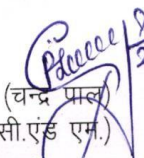
All such monthly his/her authorized representative.	No change.
In case of CMB/CLB, corrected and authorized proforma CMB / CLB.	No change.
In case of EMB, record of measurements available on ERP Portal.	No change.
Once the Engineer-in-charge number of the CMB / CLB /EMB to the Contractor.	No change.
If the contractor fails Clause 25 of this GCC.	No change.
Resources deployed shall be sent to the contractor for his record.	No change.
The contractor the Engineer-in-Charge or his/her representative.	No change.
Except where any is available then a mutually agreed method shall be followed.	No change.
The contractor shall the same was executed.	No change.
Engineer-in-Charge or to such checking of measurements or levels.	No change.
It is also a term of defects liability period.	No change.
PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders)	PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders)
Clause 6 : Computerised Measure Book (CMB) / Electronic Measurement Book (EMB)	Clause6: Computerised Measurement Book (CMB) / Electronic Measurement Book (EMB)

1.25/3/21
D.P. Jindal
EE (Contract)

Page 2 of 3

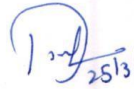
Mode of measurement : CMB / EMB Note:- One option to be kept by NIT approving authority	(a) Mode of measurement: CMB/ EMB (b) Measurement to be recorded either by contractor or jointly by department and contractor. Note:-Only one option to be kept by NIT approving authority in (a) and (b)
--	--

This issues with the approval of DG, CPWD.


 (चन्द्र पाल)
 अधीक्षण अभियंता (सी.एंड एम.)
 चन्द्र पाल, अधी. अभि. (सी.एण्डएम.)
 Chandar Pal, SE (C&M)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance
e-file 9195855 (DFA/ 9355745)

केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाईट के माध्यम से)


 25/3/22

D.P. Jindal
EE (Contract)

General Terms & Conditions

Name of Work: RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi. (SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan).

The work shall be executed as per CPWD General Specifications & Conditions as amended up to date for the electrical works and relevant I.E. rules and as per direction of Engineer-in-charge. These additional specifications are to be read in conjunction with above and in case of variations specifications given in this additional specification and conditions as the same are to be read along with the schedule of quantities for the work.

1. All the dismantled material credit has been taken in the BOQ need not to be returned back to the Department/JE (E), CPWD.
2. The contractor shall have to take all the safety precautions etc. for their staff deputed on the work. No claim will be entertained by the department if any accident occurs during the execution of work.
3. The contractor is advised to visit the site of work before quoting the rates.
4. The work shall be treated complete when all the installations are handed over to the department and all the defects are removed to the entire satisfaction of the Engineer-in-Charge.
5. The contractor shall responsible to abide by the regulations or restrictions set in regard to entry into, and movement within the premises.
6. The contractor should not tamper with any of the existing installation including their switching, operation or connection there to, without specific approval from the Engineer-in-Charge.
7. The contractor shall co-ordinate with all other agencies involved in the building work so that the building work not hampered due to delay in his work. Recessed conduit and other work, which directly affect the progress of building work, should be given priority.
8. All the components in a wiring installation shall be of appropriate rating of voltage, current and frequency, as required at the respective section of the electrical installation in which they are used.
9. Bad workmanship is liable to be rejected.
10. The contractor/ his Engineer/ Supervisor will be bound to sign the site order book and to carry out the instructions given therein and shall be in contact with JE(E)/AE(E) daily in order to get information and instructions for urgent work at site.
11. All debris due to the electrical works be removed daily and site shall be cleared by the contractor as soon as the work is completed.
12. The wiring, cables & conduits routes shall be marked first at site & got approved from the Engineer-in-Charge before the commencement of the actual work.
13. All the earth continuity conductor shall be connected to metal board/ box/ panel by means of suitable lugs.
14. No T & P shall be issued by the department and nothing extra shall be paid on this account.
15. The connections of main switches, earthing conductor and interconnection / looping cables shall be made by adequate rated tin-plated copper thimbles/lugs.
16. All the materials shall be got approved by the Engineer-in-charge before use at site and as specified in the schedule of work.
17. The Contractor shall depute Tech. representative as per Schedule F for all works covered under the scope, who shall remain present at site on all working days excluding Sunday and Holidays. He has to monitor that the complaint lodged are attended within the time schedule. He shall also supervise the quality of work/workmanship. He shall co-ordinate among client department, CPWD and his staff so as to achieve greater satisfaction of client department. Nothing shall be paid on account for Deputing Tech. Representative.

18. The work will be executed in phase manner and contractor has to arrange the man and material within 24 hours of call by AE(E)/JE(E) and start the work. Failing which a penalty of Rs. 5,000/- per day will be deducted for the bill.
19. The contractor will execute the work as site in accordance with the work to be executed by the civil agency in phase manner or as per direction engineer in charge .

Executive Engineer (E)
DED-31, CPWD
I.P Bhawan, New Delhi

ADDITIONAL TERMS AND CONDITIONS

1. The work shall be carried out in accordance with CPWD specification for electrical work part –I 2023 (INT), and part –II Ext., (as amended up to date) CPWD HVAC Specification 2024. All installation shall comply with the requirement of Indian Electricity Rules -1956 as amended up to date and as per instruction of Engineer-in-charge.
2. All the materials to be used on the work by the contractor shall be got approved from the Engineer-in-charge or his authorized representative before use on the work. The rejected materials shall have to be replaced by the contractor at his own cost and the same should be removed from the site immediately.
3. Works with bad workmanship are liable to be rejected.
4. Only ISI marked steel/PVC conduits, wires, cables, switches, socket outlets, ceiling roses, lamp holders (wherever applicable) etc. shall be used. These shall be got approved from the Engineer-in charge before use at work.
5. The contractor is advised to visit the site before quoting this tender to apprise himself about the site environments and other conditions.
6. The contractor is bound to sign the site order book as and when required by the Engineer-in-charge and shall carry out the instructions recorded therein.
7. Any damage done to the existing building while executing the electric work should be made good to the satisfaction of the department within scope of the work for which nothing extra shall be paid. The chases, holes etc. cut in the walls and roofs should be filled within two days. All malba should be removed on the same day by using gunny bag/mats for collection of malba. In case of failure to do so it will be got done by the Engineer-in-charge or his authorized representative at contractor's risk and cost.
8. All chase cutting for laying of conduits in walls shall be done with electric chase cutter only.
9. All the hidden works shall be carried out in the presence of Engineer-in- charge or his authorized representative with giving sufficient prior intimation.
10. The contractor shall make his own arrangements for storing the materials and watch & ward at his own cost, even for the installation till the completion of the work and handing over of the building/quarters.
11. The contractor shall make his own arrangement for all general and special tools and plants required for the work at his own cost and nothing extra shall be paid on this account.
12. The rates quoted by the firm/contractor shall be inclusive of GST.
13. The work will be executed in a manner so that no inconvenience will be to the occupants. No claim for idle labour on account of this shall be entertained.
14. The earth connection to main switches/boards/DB's etc. shall be done with lugs/thimbles properly soldered or with crimping tool within the quoted rates and nothing extra shall be paid on this account.

15. All the dismantle materials shall be stored at place by the contractor, which must be cleared at the earliest.
16. Laying of the conduits routes, position of switches, fittings and cable routes, inventories of installations in any quarter etc. should be got approved by the Engineer-in charge or his authorized representative before execution of work. It will be in the interest of the contractor to mark the above layout at site and get it approved before actual execution of the work otherwise it will have to get it redone, for which no extra payment will be made.
17. Persons executing electrical work should have valid electrical license as required under I.E. Act.
18. All inter-connections in the switch-boards shall be carried out with suitable copper cable/wire connectors with the sufficient current carrying capacity, for which nothing extra shall be paid on account of this.
19. All termination of wires in MCB DB shall be done with copper thimbles / ferrules within the scope of the work and nothing extra shall be paid on account of this.
20. All the MCBs/ RCCBs etc. shall be of the same make as of the make of MCB DB, irrespective of description of item.
21. All screws/nuts bolts should be galvanized/cadmium plated shall be use at site.
22. If any accident occurs during the execution of work, the firm/contractor will be responsible for all these accidents and no compensation will be paid by the Dept. To workers or to the contractor.
23. Workers engaged by the contractor for execution of work shall be liability of the contractor and they will not be considered for any type of regular employment in the Department, in any case.
24. The contractor is liable to obey/ follow the guidelines and rules issued time to time by the Dept. Regarding EPFO, ESIC, Registration with BOCW board and labour license.
25. **Contractor shall stand for a guaranty/ warranty of all electrical fan/fittings installed under the agreements for a period of 12 months from the date of taking over of the installation by the Department or as per BOQ item.**
26. The payment to the workers shall be made through bank or ECS or online transfer to his /their bank account and the contractor has to furnish a certificate to this effect and submit documents in support of such payments. In the absence of this certificate& supporting document, no running account bill or final bill payment of the contractor shall be released.
27. If any electrical balance work left in a quarter, then no payment shall be released for that quarter till completion of electrical work in that quarter.
28. All T&P and special T&P i/c ladders, wire drawing equipment, chase cutting equipment, drill machine, megger, earth resistance testing equipment etc. required for the work shall have to be arranged by the contractor and nothing extra shall be paid on this account.
29. The Engineer-in-charge has the right to remove any worker from site without assigning any reason. The contractor shall replace with new worker immediately.

30. The entire installations against all items shall be handed over to the Department after execution, testing & commissioning etc. at site
31. No joints in wiring shall be permitted anywhere, except in switch box or point outlets, 'where jointing of wires will be allowed with use of suitable connector.
32. The wiring throughout the installation shall be such that there is no break in the neutral wire except in the form of linked switchgear.
33. Termination of circuit into switchboard: -
- Circuit will consist of phase / neutral /earth wire. Circuit will terminate in a switch board (first tapping point, where from point wiring starts) in following manner: -
- Phase wire terminated in phase connector Neutral wire terminated in neutral connector Earth wire terminated in earth connector.
- The switch board will have phase neutral and earth terminal connector blocks to receive phase /neutral / earth wire.
34. The contractor shall cover all new junction boxes i/c round boxes with White Phenolic laminated sheet within the scope of work and nothing extra shall be paid on account of this. However, if existing steel junction boxes to be covered with 3 mm thick laminated sheet, then this sheet shall be paid against respective item.
35. The connection, inter-connection, earthing and inter-earthing shall be done by the contractor where ever required to be done for energization of the installation and nothing extra shall be paid on this account.
36. The entire system of metallic conduit work, including the outlet boxes and other metallic accessories, shall be mechanically and electrically continuous by proper screwed joints, or by double check nuts at terminations. The conduit shall be continuous when passing through walls or floor.
37. All loose wires connecting from ceiling rose to fittings/ fans/ exhaust fans shall be laid inside white colour PVC sleeves. Providing & fixing these PVC sleeves are within the scope of work and nothing extra shall be paid on account of this.
38. All materials required for execution of all items shall be arranged by the contractor at his own cost. The quantity shown against every item of all Sub heads are only indicative and tentative. The quantities during execution shall be as per the requirement.
39. The phenolic laminated sheet cover for the switch boards shall be 3mm thick (nominal). The colour and design should be got approved from the Engineer- in-charge or his authorized representative.

Dismantled Material: -

40. Dismantled material received from site shall be retained by the contractor and recovery/deduction for the same shall be made from the running account /final bills of the contractor as per the rates quoted by the contractor for the same.

41. The Contractor shall depute Tech. representative as per Schedule F for all works covered under the scope, who shall remain present at site on all working days excluding Sunday and Holidays. He has to monitor that the complaint lodged are attended within the time schedule. He shall also supervise the quality of work/workmanship. He shall co-ordinate among client department, CPWD and his staff so as to achieve greater satisfaction of client department. Nothing shall be paid on account for Deputing Tech. Representative.
42. The work will be executed in phase manner and contractor has to arrange the man and material within 24 hrs. of call by AE/JE(E) and start the work. Failing which a penalty of Rs. 5000/- per day will be deducted from the bill.
43. All the materials shall be got approved by the Engineer-in-charge before use at site and as specified in the schedule of work.
44. The contractor shall submit the inventory of each item mentioned/ used in agreement / work along with location and make of each material used at site duly signed by concerned AE & JE at the time of final/RA bill.
45. The contractor shall all integrate all existing installation with the new installation to be done. The require programming/software for making system functional is in this scope of work.
46. **The lowest tenderer has to submit following documents along with performance guarantee after the acceptance of tender, and undertaking from the OEM regarding specialized work in purview of Clause-1 of the contract as described in Schedule-F”-**
- 1. Authorization Certificate from any OEM : Selvon, Precision, C-MOS.**
 - 2. The OEM shall unconditionally support the lowest tenderer technically throughout the execution of contract as well as for Maintenance/ Comprehensive Maintenance Contract for the useful life of the system, and**
 - 3. Document of Associate agency/Specialized agency.**
- Please note that work will be awarded only after approval of receipt of required documents. It may further be noted that any deficiency in submission of above documents along with performance guarantee will be treated as non-submission of required documents as per Clause-1. In this event, EMD will be forfeited and will be at disposal of the Govt.
47. The contractor shall submit after sales and service support for the product for minimum 7 Years.

Executive Engineer (E)
DED-31, CPWD
I.P Bhawan, New Delhi

LIST OF APPROVED MAKES

S.No	MATERIAL	ACCEPTABLE MAKE
	INTERNAL & EXTERNAL ELECTRICAL INSTALLATIONS	
1	MCB, MCCB & MCB DB's and Loose Wire Box	Schneider Electric/Legrand /Hager /L&T/ Siemens/HPL/ABB
2	FRLS PVC insulated copper conductor cable, / TV cable / Telephone cable for wiring. (ISI marked) :	R.R Kable / Havell's/ Finolex/Polycab/Rallison/HPL/Pi Square
3	MS conduit ISI marked) with accessories	AKG/ BEC / NIC / Rmcon
4	Electrical Panels / Feeder Pillar	Schneider / Legrand / L&T / Siemens / ABB/R.P Control/Precision/APC or their authorized license channel partner
5	Current Transformer	Automatic Electric / Gilbert & Maxwell / Matrix / Pragati / Precise
6	Multifunction meter / Electronic Digital Meters	Conzerv / Secure / Legrand / L&T / Siemens / ABB
7	Panel Accessories like LED Indicating Lamp, Push Button	Siemens / ABB / L&T / Schneider Electric/Legrand
8	Selector Switch	Salzer/Seimens/BCH/Kaycee/L&T/Schneider/ABB/ Legrand
9	XLPE insulated PVC sheathed Aluminium / Copper Conductor Armoured cable of 1.1 KV grade	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/ Rallison/Pi Square
10	Modular switch, socket/Telephone socket/cable TV socket/Data outlet socket/fan Regulator/GI Boxes Etc. (Wiring Accessories Regulators etc.	Legrand(Arteor)/ Schneider Electric (Zencilo) / Wipro (North West Artisa)/HPL(Smart)/Havells(Crabtree)/Honeywell (MK)/Kinjal (ICON)
11	Piano type switch, socket	Anchor / SSK / CONA/HPL
12	Musical door bell / Buzzer/Call bell	Anchor / CONA / Sargam / Panasonic/Havells
13	LED Batten	Wipro- Garnet /Phillips /Havells/Crompton/Orient
14	Mirror Light Fitting	Wipro- Garnet /Phillips /Havells/Crompton/Orient
15	Wall Bracket fitting (Brass)	Twinkle / Lustre / Hi-lite/Orient /Crompton

16	LED Bulk Head Fitting	Bajaj / Wipro/ Phillips / Havells/ Lustre/HPL/Orient/Crompton
17	Ceiling Fan	Havells / Crompton / Usha / Bajaj / Atomberg /HPL
18	Exhaust Fan	Bajaj /Crompton /Usha/Almonard/Havells/HPL
19	Ventilation Fan	USHA /Havells / Khaitan / Orient/Crompton/HPL
20	Flood Light Fitting	Wipro / Phillips / Havells/Crompton/Orient
21	WP SMC box/PC Weather proof box	Havells/ Hensel/ Sintex/Neptune / Legrand
22	800mm height LED Bollard Fitting with 1 no. LED Bulb	Twinkle Lite Model No. 812 TIGRIS or equivalent in Havells / Wipro / Luster/VAK/PowerMax/Hi-lite/Twinkle Luxmax/Orient /Crompton
23	Post Top Fitting	Twinkle Lite / Havells / Wipro- Fantasy / Luster/VAK/PowerMax /Hi-lite/Twinkle Luxmax/Orient /Crompton
24	MS / G.I. Pipe	Jindal hissar / Tata / SAIL
25	Main control and indicating panel	NSD-Agni alarms/ Honeywell /All safe
26	Heat detector / smoke detector / response indicator / alarm sounder / manual call boxes / junction box	Apollo Series 65/Agni alarm (NSD)/ Honeywell / All safe
27	Cable Glands Double compression with earthing links	Baliga lighting/ Comet/ Cosmos/ Dowell's/Gripwell/ Raychem
28	PVC Conduit & Accessories (ISI marked)	Precision/ BEC/ AKG/NORPACK
29	Dash fastner/Anchor Fastner	Hilti/Fischer/ 3 M /Wurth
30	Insulation Mat	Tata/Jyoti/Premier/Deep jyoti
31	UPS	Vertiv/ APC/ Numeric/ Eaton/ Mitsubishi/Delta/Schneider
32	Sealed Maintenance Free Batteries	Exide/ Amar Raja/ Hitachi/ Panasonic
33	Electric driven terrace pump	KSB /Kirloskar / Crompton
34	Starter panel	L&T / Schneider / Havells
35	PVC Storage tank	Sintex / Plasto / Supreme
36	MS body junction box	NSD-Agni alarms/ Honeywell /All safe
37	Split type Air Conditioner /Window type Air Conditioner	Daikin/ Toshiba/ Mitsubishi/ O General/Hitachi/LG

38	Vaccumiazation and Nitrogen	IMANDEV TUBES / RAJCO / MAX FLOW / TOTALINE / METTUBE
39	Compressor	/Tecumseh/Emerson/Carrier/LG/Kirloskar
40	Starting/Running capacitor	Afcos / Escop / Asian / Philips
41	Relay/thermostat	Dasspass /Asian/Renutoll/Usha
42	400 mm Wall Fan	Havells/ Crompton / Usha / Bajaj / Khaitan
43	250 mm fresh air Ventilation fan	Havells/ Crompton / Usha / Bajaj / Khaitan
44	BLDC Ceiling fan (ISI marked)	Havells/ Crompton / Usha / Bajaj / Khaitan/HPL
45	Cable Tray	OBO/Venus/BEC/Steelway/AKG/Slotco/MEM
46	Battery Cell	Everyday/Nippo/Duracell
47	Hand Dryer Machine	Avro/Jaguar/Dolphy/Euronics
48	Insect Killer/fly Trapper	Avro/Fonda/Orchids
49	Change Over Switch	L&T/Havells/Hager
50	Computer Speaker and USB Camera	Zabronix/Logitech/Intex/Quantum
51	Shoes shining Machine	Euronics/Avro/Dolphy
52	Water cooler	Usha/ Sidhwal (Climatrol)/ Voltas / Blue Star
53	Water Filter/RO	Eureka Forbes /Kent / Livpure/Lifeguard/Ionexchange
54	Geyser	Jaguar/AO Smith/Havells/Hindware
55	chimney	Faber/Glen/hind ware/Elica
56	UPVC DLP trunking	Precision / AKG / Legrand/MK
57	PVC Batten/Channel	Precision / AKG / Legrand/MK/Modi
58	DWC Pipe	Gemini/Telerex/Dura-line/ NARMADA / VARUNA/Astral
59	Table Lamp	Wipro / Phillips/ Havells/Orient/Crompton/Twinkle/Lustre
60	Fire Survival cable (armoured/Unarmoured)	RR Kabel/ Havells/ Polycab/Rallison/KEI
61	INDOOR /OUTDOOR UNITS/EEV & COMMUNICATION KITS/CARD LESS REMOTE CONTROLLER (VRV/VRF system)	Daikin/ Mitsubishi Electric / O'General /Toshiba/Voltas/LG/Bluestar/Carrier/Hita chi

62	COPPER PIPE (ISI MARKED ONLY)	MANDEV TUBES/RAJCO/MAX FLOW/
63	0.5 HP Pressure Pump	Crompton/KSB/Kirloskar
64	1.0 HP Pressure Pump	Crompton/KSB/Kirloskar
65	Fire Extinguishers	Lifeguard/Omaxe/Ceasefire
66	NITRILE RUBBER	Armaflex / Eurobatex / Aeroflex / K-Flex
67	Video door system	Legrand Model 344613/ Panasonic Model VL-SV71 / Godrej ST7/One Touch OT-ADP-A2
68	CAT6/CAT 6A Cable	Derwiser/Commscope/Systimax/Legrand/Molex
69	Picture Light /Up Down light	Wipro / Phillips /Havells/Orient/Crompton/Twinkle/Lustre
70	32 Amp DP switch	Honeywell/Havells Crabtree/Wipro-Northwest
71	LED smart TV	Samsung/Panasonic/LG/Vu/SONY/Croma
72	Enagement Light	Wipro / Phillips /Havells/Orient/Crompton/Twinkle/Lustre
73	Bedside Light	Wipro / Phillips /Havells/Orient/Crompton/Twinkle/Lustre
74	Fire Diesel Engine Driven Main fire pump/Jockey Pump/Dewatering Pump	Crompton/KSB/Kirloskar
75	RRL Hose Pipe /Hose Box/Landing Valve/Branch Pipe/Hose Reel	Life guard/OMEX/New age
76	Sluice valve/non-return valve/butterfly valve/Y Strainer	Sant/Castle/Kirloskar/Zoloto/Kartar
77	Pressure Switch/Pressure Guage	H Guru/Baumer/Winters/Festo
78	Any other type LED fittings	Wipro / Phillips /Havells/Orient/Crompton
79	Striker floor Lamp Fittings	Wipro / Phillips /Havells/Orient/Crompton
80	Refrigerator	Panasonic/Samsung/LG/BOSCH
81	Automatic Voltage Regulator/Stabilizer	Selvon/ Precision/C-Mos
82	LED Surface Mounted Flexible Strip/cove light	Wipro /Phillips/Havells/Orient/Crompton/LT/Regent/Lustre

83	Alumnum Profile strip light 24	Wipro /Phillips/Havells/Orient/ Crompton/LT/Regent/Lustre
84	All type of CCTV Cameras &NVR	All STQC approved make by MEITY
85	Surveillance Hard disk	WD/Seagate/Toshiba
86	Network switch	Cisco/Juniper/Extreme/Arista/Nexus/Ra ckus
87	4K LED Display	Sony/Panasonic/Samsung
88	HDMI Cable	Beldon/Legrand/Honeywell/Kramer
89	Rack	Rital/Commrack/Valrack/Derwiser
90	LIU, Patch Panel,	Derwiser/Commscope/Systimax/Legrand/ Molex
91	Fiber optical cable, patch cord	Derwiser/Commscope/Systimax/Legrand/ Molex
92	Patch cord CAT 6/CAT-6A	Derwiser/Commscope/Systimax/Legrand/ Molex
93	Hot and Cold Air Purifier	Dyson/Crusaders/Eureka Frobes
94	Occupancy Sensor (PIR)/ DALI devices controller	Honeywell/Omnicon/Panasonic/ABB/Sie mens/ Philips
95	Glow Sign Board/LED Signage	Mr. Lite/Glow lite/Hi-Lite/Glow line/Agni
96	Decorative Mild steel tubular pole	Twinkle Lite, Model No. CRTR-E5- 407530 or equivalent in Luster / Havells / Hi-lite/Twinkle Lux max
97	GI octagonal pole	Bajaj/Walmount/Surya Roshni/Kasper/NERI
98	Hot dip galvanised High Mast	Bajaj/Walmount/Surya Roshni/Kasper/NERI
99	LED gate light fitting	Havells or equivalent in Wipro/ LT/Twinkle Lite / Havells/ Luster/VAK/PowerMax /Hi-lite/Twinkle Luxmax/Philips /Orient/Crompton
100	LED Spike light fitting	Philips or equivalent in Wipro/ LT/Twinkle Lite / Havells/ Luster/VAK/PowerMax /Hi-lite/Twinkle Luxmax/Philips /Orient/Crompton
101	Stainless steel pole	Bajaj/Walmount/Surya/ Roshni/Kasper/NERI
102	Salt Tablet form	ION Exchange / RF / Pentair/ZERO B
103	Conductivity Corrector Chemical Liquid	Yash / Thai Aqua / Zero B/ION exchange

104	Membrane with filter 0.5 Micron model ULP-4040	Thai Aqua / Zero B / Pentair/ION exchange
105	Filter Media Carbon	Prime / ION Exchange / Thai Aqua/ZERO B
106	Media Resin	Thai Aqua / Zero B / Pentair/ION exchange
107	6-WAY TPN, Flexi Distribution Board for Housing DALI controller,	Schneider Electric/Legrand /Hager /L&T/ Siemens/HPL
108	APFC Panel	TRICOLITE/CONQUERENT/ADLEC/Schneider Electric/Legrand /L&T/ Siemens/ ABB or their authorized license channel partner
109	Power Capacitor/Reactor/APFC Relay	Schneider Electric/Legrand / Siemens/ ABB
110	Lift	As per office Memdorum dated 27.02.2020 for revise eligibility criteria of lift work issued by CPWD DG office
111	DG Set	CATERPILLAR / CUMMINS/ VOLVO PENTA /PERKINS / MITSUBISHI / Kirloskar
112	All spare parts of Hot and Cold Air Purifier	Dyson (Compatible with HP-07)
113	Nickel Finish Decorative Wall Light Fitting	Havells - Floretine WL or equivalent in Philips/ Wipro/ Jaquar/Luster/Twinkle/Hi-lite
114	Decorative Garden LED Bollard-light	Twinkle , LUKE Model No. - Twinkle Lite-826 or equivalent in Wipro / Jaquar/ Havells/Luster/Twinkle Lumax/Hi-lite
115	Decorative ceiling fan 1200 mm sweep, BEE 5 star rated	Havells, Inveno LX BLDC or equivalent in Atomberg/ Orient / Crompton/ Bajaj
116	Galvanized Iron decorative pole with PU paint	Twinkle Lite SCRLT- E3- 409030 equivalent or higher in Hi-lite / Luster/ LuxMax/Bajaj/Wallmount/Surya/Roshni
117	Solar Water Heater	Inter Solar/Jain Irrigation /Supreme Solar /Newtech/Unisolar
118	Solar PV Module	Adani/Virkam Solar /TATA
119	Solar Inverter	Delta/Schneider/ABB/Polycab/waaree
120	Polycarbonate Electrical Panels / Feeder Pillar	Hensel/Rittal/Schneider /ABB or their authorized license channel partner
121	Paper shredder	Gobbler/Fellowes/GVC/Kores/Pilot

122	Microwave Oven	Samsung/LG/IFB/Panasonic/Godrej
123	Electric Heat Convactor	Usha/Bajaj/Orient/Crompton
124	Internet Leased Line Service Provider	Citrix Network/Fastron/NDVC
125	3 in one LED Downlight fitting	Philips or equivalent in Wipro/ LT/Twinkle Lite / Havells/ Luster/VAK/PowerMax /Hi-lite/Twinkle Luxmax/Philips /Orient/Crompton
126	Analog/Digital Caller ID Phone	Alcatel/Scitel/Panasonic/Binatons/Siemens/Matrix
127	0.5mm jelly filled Armoured Copper Conductor Cable	R.R Kable / Havell's/ Finolex/Polycab/Rallison/HPL
128	Electric Kettle	Philips/Havells/Borosil
129	Hair Dryer	Havells/Dyson/Philips
130	1500 Watt Electric Hot Plate	Bajaj/Prestige/Philips
131	IP based EPBAX System	Tadiran/ Alcatel/Mitel/Cisco/Siemens/Matrix
132	Extension cards for EPBAX system	Tadiran/ Alcatel/Mitel/Cisco/Siemens/Matrix
133	MDF/Krone Box	Alcatel/Scitel/Panasonic/Binatons/Siemens/Sagar
134	Online electrostatic scale preventer	Scaleoff /Dolphin / Hydrokon
135	Odourex/Bioculture 121/Lime/Alum/Polyelectrolyte	Yash / Thai Aqua / Zero B/ION exchange/Aquaionex
136	750mm height LED Bollard Fitting with 1 no. LED Bulb	Twinkle Lite Model No. 811 CEDAR or equivalent in Havells / Wipro / Luster/VAK/PowerMax/Hi-lite/Twinkle Luxmax/Orient
137	800 -900mm height LED Bollard Fitting with 2 no. LED Bulb	Luster Model No.- Li-8113 or equivalent in Havells / Wipro / Twinkle lite/VAK/PowerMax/Hi-lite/Twinkle Luxmax/Orient
138	Server/Workstation	Dell/HP/IBM
139	Video Analytic/facial Software	Any Make as per Tender Specifications
140	Any other Items	As approved by the Engineer-In-charge

Executive Engineer (E)
DED-31, CPWD,
I.P Bhawan, New Delhi

SCHEDULE OF WORK

Name of Work: RMO E&M Services at Sankhyiki Bhawan in CBD Shahdara, Delhi.
(SH: SITC of Automatic Voltage Regulator for Lifts at Sankhyiki Bhawan).

S. No.	Description of Item	Qty.	Unit	Rate	Amount
1	SITC of 40 KVA, 3 phase Solid State Static IGBT based automatic voltage regulator, Air Cooled type suitable for operation under unbalanced supply and unbalanced load conditions, microcontroller based true RMS system with no moving parts in control and power circuit, stepless voltage correction and with following specifications as :-				
1)	Input Voltage range:- 340 to 480V AC (phase to phase)				
2)	Output Voltage :-415 V AC $\pm 5\%$ (Three Phase)				
3)	Input Frequency:-47 HZ -53 Hz.				
4)	Type of Control :- Micro controller based true RMS system (No moving part in control & power circuits)				
5)	Response time:- Within 10 nanosec.				
6)	Rate of Correction:-400 V/sec				
7)	Power factor at full load:->0.98				
8)	Input Current harmonics < 3%				
9)	Distortion THD <1%				
10)	Efficiency at Full load: >97% at nominal voltage.				
11)	Load Power Factor:- 0.7 Lagging to unity				
12)	Ambient Temperature:- 10-55 °C				
13)	Humidity:- upto 95 %, non-condensing.				
14)	Over Load:-				
a)	100% continuous				
b)	110% for one hour				
15)	Protection:-				
a)	Input under voltage and over voltage Protection				
b)	Output under voltage and over voltage Protection				
c)	Output Short Circuit Protection				
d)	Semiconductor Fuse Protection				
e)	Soft Start Facility with Stabilized Output Voltage on Mains restoration				
f)	Type 2 Surge Suppressors				
g)	Output Contactor/MCCB				
h)	Input MCCB/MCB				
i)	Bypass:- Provision of automatic and manual bypass in case of system failure				
j)	Indication of output Current, Over Load & System Status				
k)	Automatic Phase Sequence Corrector				
16)	Metering:-				
a)	Digital Meter for voltage and current				

17)	Fast and accurate continuous voltage correction without overshooting				
18)	Isolation from Line disturbances & voltage fluctuations				
19)	Efficient operation of equipment with increased & qualitative productivity & reduced rejections.				
20)	Compact in size				
21)	Enclosure Box:-1.2mm thick CRC sheet.				
22)	Isolation:<10ME	3	Nos.	306645.00	919935.00
2	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required.				
(a)	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	20	mtrs.	1253.00	25060.00
3	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	40	mtrs.	50.00	2000.00
	Total				946995.00

**Assistant Engineer (E)- P,
DED-31, CPWD,
I.P Bhawan, New Delhi**

**Executive Engineer (E)
DED-31, CPWD,
I.P Bhawan, New Delhi**