

NOTICE INVITING e-TENDERS

The Executive Engineer (E), BBSR, Central Public Works Department, Plot No. 188/623, 624, Pokhariput, Bhubaneswar (Telephone No. 0674-2352973/983) invites on behalf of President of India online percentage rate e-tender in **Single Bid** system from “**CPWD Building & Roads Category Contractors**” for the following work(s):

NIT NO. **25/EE-E/BBSR/CPWD/2026-27**

Name of Work: **MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.**

Estimated Cost: **Rs. 17, 35, 029.00**

Earnest Money: **Rs. 34, 701.00**

E-Tender Processing Fee: N/A

Period of Completion: **04 Months**

Last time and date of submission of bid: **25.08.2026, 15:00 Hrs**

The tender forms and other details can be obtained from the website www.etender.cpwd.gov.in or www.cpwd.gov.in. All corrigendum / addendum shall only be available on this website and shall not be published anywhere else.

**AE-(E) (P)
BBSR**

**AAO
BBSR**

**EE (E)
BBSR**

NOTICE INVITING TENDER

Name of work : MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar

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Certified that this N.I.T. amounting to Rs. 17, 35, 029.00 contains 37 pages only in chronological order

**AE-(E) (P)
BBSR**

**AAO
BBSR**

**EE (E)
BBSR**

INFORMATION & INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Executive Engineer (E), BBSR, CPWD, Plot No. 188/623-624, Pokhariput, Bhubaneswar - 751020 (Telephone No. 0674–2352973/983, email id: executiveengineerelectbbsr@gmail.com) on behalf of President of India invites online percentage rate bids on **Single Bid** system from “**CPWD Building & Roads Category Contractors**” for the following work(s):

NIT No.	25/EE-E/BBSR/CPWD/2026-27
Name of Work & location	MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.
Estimated cost put to tender	Rs. 17, 35, 029.00
Earnest Money	Rs. 34, 701.00
Period of Completion	04 Months
Last date & time of submission of Bid, original EMD copy of receipt for deposition of original EMD, and other document as specified in the press notice.	25.08.2026, 15:00Hrs
Time and date of opening of Bid	25.08.2026, 15:30Hrs

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and instructions for bidders posted on website shall form part of bid document.
3. 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 www.etender.cpwd.gov.in or www.cpwd.gov.in free of cost.
4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Demand Draft or Pay Order or Banker's Cheque or Deposit at call receipt or fixed deposit receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of **Executive Engineer (E), BCED, CPWD, Bhubaneswar**, receipt for deposition of original EMD to division office of any Executive Engineer (Including NIT issuing EE/AE), CPWD and other documents as specified.
5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imported training on online bidding process as per details available on the website.

6. The intending bidder must have valid class-III digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. SC/ST contractor enlisted under Class-V category are exempted from processing fee payable to ITI Limited.
9. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
10. The bidder shall be required to execute the work on top priority and to arrange the resources of men and materials accordingly as directed by Engineer-in-Charge
11. If the cell is left blank and no percentage rate (above or below) is quoted by the bidder, rate shall be treated as "0" (ZERO).
12. The tenderer should also read the General Conditions of Contract for **CPWD Works 2023 (Maintenance work)** amended up to date (available on CPWD above websites), which is available as Govt. of India Publications.
13. Tenders with any condition including that of conditional rebates in the tender document shall be rejected forthwith.
14. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/ taking up of works in CPWD. The Department reserves the right to verify the particulars furnished by the applicant independently.
15. If the bidder has not possessed valid electrical license of appropriate voltage to execute electrical work, then in such a case the bidder shall scan and upload following under taking along with other bid documents.

"If work is awarded to me, I/we shall either obtain valid electrical license at the time of execution of electrical work or associates with contractor with **Valid Electrical License** of appropriate voltage issued by competent authority"

List of Documents to be filled in by the bidders in various forms to be scanned and uploaded in PDF format within the period of bid submission.

1	Enlistment Order of the Contractor
2	Certificate of Registration for GST
3	PAN No. (Permanent Account Number)
4	Earnest Money Deposit Receipt for B along with scan copy of Original EMD
5	Confirmation for Submission of Financial Bid Form-C
6	An Undertaking Form D (Undertaking regarding not debarred by Govt./ Autonomous body etc)
7	Valid Electrical License of appropriate voltage to execute electrical work as given in schedule of work or Undertaking as per Para-15 above
8	ERP Training Certificate

Assistant Engineer (E) (P)
BBSR, CPWD, Bhubaneswar

Executive Engineer (E)
BBSR, CPWD, Bhubaneswar

CPWD-6 for E-Tendering

Percentage rate bids are invited on behalf of President of India from approved and eligible contractors of CPWD for the work **“MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar”**.

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

1. The work is estimated to cost **Rs. 17, 35, 029.00**. The estimate however is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidder 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 their rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out of the work will be **04 Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
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 except Standard General Conditions of Contract Form can be seen on website www.etender.cpwd.gov.in or www.cpwd.gov.in free of cost.
5. After submission of the bid the contractor can re-submit revised.
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.
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.
7. Earnest money in the form of Treasury Challan or Demand Draft or Pay Order or Banker's Cheque or Deposit at Call Receipt of Fixed Deposit Receipt **(Drawn in favour of Executive Engineer (E), BCED, CPWD, Bhubaneswar)** 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 receiving Executive Engineer (including NIT issuing EE / AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by the 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 of Rs. 20 Lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled 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.

Online bid documents submitted by intending bidders shall be opened only of those bidders, **whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.**

The bid submitted shall be opened at **03:30 PM on 25.08.2026.**

8. The bid submitted shall become invalid
 - i. The bidder is found ineligible.
 - ii. The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD.
 - iii. The bidder does not upload GST Registration certificate.
 - iv. The bidder does not upload Valid Electrical License of appropriate voltage to execute electrical work. However the contractor shall be allowed to participate in tender with an undertaking that "They will either obtain valid electrical license of appropriate voltage at the time of execution of electrical work or associates contractor having valid electrical license of appropriate voltage of eligible class/similar work experience"
 - v. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - vi. If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above / below on the total amount of the tender in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
9. The contractor whose bid is accepted, will be required to furnish **(a) Performance Guarantee of 5% (Five Percent) of the Tendered value or Estimated Cost put to Tender (ECPT) (whichever is higher) (b) Where the tendered amount is less than eighty percent (80%) of the ECPT , the PG , 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 tender amount within the period specified in schedule F (GCC 2023 Construction work amended vide No-DG/CON/Construction 2023/20 Dt.27.02.2026).** This guarantee shall be in the form of cash (in case guarantee amount is less than s 10,000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than s 1,00,000/) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled 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 tender shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board and Programme Chart (Time and Progress) within 07 Days from the date of issue of letter of acceptance as specified in Schedule F.
10. 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 charges 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 rated at which stores, tools and plant etc. will be issued to him by the Government and local conditions and other factory having a bearing on the execution of the work.

11. 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.
12. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
13. 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.
14. 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 gazette 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.
15. 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.
16. The bid for the work shall remain open for acceptance for a period of **Thirty (30) days** from the date of opening of bids in case of single bid system- if any bidder withdraws his bid before the said period or issued 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% if the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.
17. The notice inviting bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the accepting authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of: -
 - a. The notice inviting bid, all the documents including additional conditions, specifications, and drawings, if any, forming part of the bid as uploaded at the time of incitation of bid and the rated quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b. Standard C.P.W.D Form 7/8 or other Standard C.P.W.D Form as applicable.
18. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and 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 tenderer shall not be allowed to participate in the retendering process of the work.
19. The Contractor/Agency shall not execute any Extra/Substitute and deviated item as specified in BOQ without prior approval of Engineer-in-charge.
20. Water and electricity to be used in the work will be in the scope of agency. No extra payment will be done for it.

21. Contractor shall submit the drawing before execution of work for all E&M services to the respective Engineer in charge for approval without any cost/claims.
22. Small civil work e.g core cutting or making any hole or after installation of items making it good again will be in the scope of agency without any cost/claims.
23. The bidder must bid the price for equipment including the price of foundation if required without any cost/claims.
24. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile / uploading tender can be resolved through the concerned Executive Engineer (E) or ERP help line no. 18001803286 or email ID: cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issue till the last date of submission of bid in their own interest.

Assistant Engineer (E) (P)
BBSR, CPWD, Bhubaneswar

Executive Engineer (E)
BBSR, CPWD, Bhubaneswar

Form "B"**EMD Receipt format**

Receipt of deposition of original EMD

(Receipt No...../date.....)

Name of work: **MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.**

1. NIT No: **25/EE-E/BBSR/CPWD/2026-27**
2. Estimated Cost: **Rs. 17, 35, 029.00**
3. Amount of Earnest Money Deposit: **Rs. 34, 701.00**
4. Last date of submission of bid: **25.08.2026 15:00 Hrs.**

(*To be filled by NIT approving authority/EE at the time of issue of NIT and uploaded along with NIT)

Name of Contractor:.....#

1. Form of EMD:.....#
2. Amount of Earnest Money Deposit:.....#
3. Date of submission of EMD:.....#

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

(# to be filled by EMD receiving EE)

Form – “C”**CONFIRMATION FOR SUBMISSION OF FINANCIAL BID**

To
The Executive Engineer (E)
BBSR, CPWD, Bhubaneswar

Sub:-

Sir,

I/We the Bidder have uploaded financial bid from our firm for above work.

Yours faithfully

Signature

Full Name of the Firm/Bidder:.....

Designation:.....

Address:.....

Tele No.s (O)..... (R).....

E mail:.....

Fax No:.....

Form – “D”

UNDERTAKING

I/we declare that, I/we have not been debarred/restrained/ black listed by any Central Govt. / State Govt. Agency/ Autonomous body of the Central or State Govt. / PSU etc.

Signature of the Bidder

Address

AFFIDAVIT OF MEMORANDUM OF UNDERSTANDING (MOU)

(to be submitted for each and every E&M component)

1. M/s. (Name of the firm with full address)
2. Enlistment Status
Valid Upto:
(Henceforth called the main Contractor)
3. M/s. (Name of the firm with full address)
4. Enlistment Status
Valid Upto:
(Henceforth called Associated Contractor)

For the execution of E &M Component Works –

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act (amended up to date) and the department (CPWD) can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent 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 by the Engineer In charge. Any of us may appeal against the mediation to the Chief Engineer, CPWD, Bhubaneswar. His decisions shall be final and binding on both of us. We have agreed as under:

1. The Associated Contractor will execute all E & M 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 fails 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 E & M works, as per agreement, shall be the responsibility of the Associated Contractor.
4. The site staff required for the E & M 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 the 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 Date: Place:	SIGNATURE OF ASSOCIATED CONTRACTOR Date: Place:
1. Witness with address	2. Witness with address
(From major component contractor side)	(From minor component contractor side)

CPWD-7

CPWD

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
Percentage Rate Tender and contract for works

Tender for the work of: **MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.**

To be uploaded by 15:00 hours on **25.08.2026** at www.etender.cpwd.gov.in

To be opened in presence of tenderers who may be present at 15:30 hours on **25.08.2026** in the office of **Executive Engineer (E), BBSR, CPWD, Bhubaneswar**

Issued to *

Signature of officer issuing the documents *

Designation *

Date of Issue *

TENDER

I/We have read and examined the notice inviting tender, schedule, A,B,C,D & E Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, of 2023 with up to date amendments clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract of 2023 with up to date amendments and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for **Thirty (30) Days** from the date of opening of bids in case of single bid system and not to make any modification in its terms and conditions.

(a) Performance Guarantee of 5% (Five Percent) of the Tendered value or Estimated Cost put to Tender (ECPT) (whichever is higher) (b) Where the tendered amount is less than eighty percent (80%) of the ECPT, the PG, 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 tender amount within the period specified in schedule F (GCC 2023 Construction work amended vide No-DG/CON/Construction 2023/20 Dt.27.02.2026) is hereby forwarded in cash / receipt treasury challan / deposit at call receipt of a scheduled bank / fixed deposit receipt of scheduled bank / demand draft of a scheduled bank / bank guarantee issued by a scheduled bank as performance guarantee. If I/We, fail to furnish the prescribed performance guarantee within the prescribed period. I/We agree that the said President of India or his successors, in offices hall without prejudice to any other right or remedy, be at liberty to forfeit the said performance guarantee absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said performance guarantee shall be guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of off or feature of Performance Guarantee as aforesaid. I/We shall be debarred for participation in there-tendering process of the work.

CPWD-7**CPWD**

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

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

Dated:**

Signature of Contractor **

Witness: **

Address: **

Postal Address **

Occupation: **

ACCEPTANCE

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

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

- (a) *
- (b) *
- (c) *

For & on behalf of President of India

Signature.....*

Dated:*

Designation

*** Blanks to be filled by EE/BBSR**

**** To be filled by Contractor**

PROFORMA OF SCHEDULES**CPWD****SCHEDULE 'A'**

Schedule of quantities

Page No: 33 to 37

SCHEDULE 'D' Extra schedule for specific requirements/ document for the work, if any.	Not Applicable
SCHEDULE 'E' Reference to General Conditions of Contract	General Conditions of Contract-2023 Maintenance Work modified and amended upto the last date of received of tender.
Name of Work	MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.
Estimated cost of work	Rs. 17, 35, 029.00
Earnest money	Rs. 34, 701.00 ((to be returned after receiving Performance Guarantee) (EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid shall not be accepted. (CPWD Works Manual-2024 amended vide No-DG/SOP 2024/22 Dt.23.03.2026).
Performance guarantee	(a) Performance Guarantee of 5% (Five Percent) of the Tendered value or Estimated Cost put to Tender (ECPT) (whichever is higher) (b) Where the tendered amount is less than eighty percent (80%) of the ECPT, the PG, 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 tender amount. (GCC 2023 Construction work amended vide No-DG/CON/Construction 2023/20 Dt.27.02.2026).
Security deposit	2.5% of Tendered Value
SCHEDULE 'F' GENERAL RULES & DIRECTIONS: Officer inviting tender	Executive Engineer (E), CPWD, Bhubaneswar (Odisha) or successor thereof.
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	See below under Clause 12

Definitions:	
Engineer-in-Charge	Executive Engineer (E), CPWD, Bhubaneswar (Odisha) or successor thereof.
Accepting Authority	Chief Engineer, CPWD, Bhubaneswar or successor thereof.
Percentage on cost of materials and labour to cover all overheads and profits:	15%
Standard Schedule of Rates	1. DSR-2025 (E&M) plus cost index with correction slip(s) issued upto the last date of submission of Bid. 2. Market Rates for Non DSR Items.
Department	Central Public Works Department.
Standard CPWD Contract Form	General Conditions of Contract-2023 Maintenance Work , CPWD Form 7 as amended up to last date of submission of bid.
Clause 1	
(i) Time allowed for submission of Performance Guarantee, Programme chart (time and progress) and applicable labour licenses, registration with EPFO, ESIC, action Plan for Green Rating Certification, BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance.	07 days
(ii) Maximum allowable extension with late fee at 0.1% per day of performance guarantee amount beyond the period provided in (i) above	03 days with late fee @ 0.1% per day of the PG amount (Non-refundable)
Clause 2	
Authority for fixing compensation under clause 2	Chief Engineer, CPWD, Bhubaneswar or successor thereof.

Clause 2A			
Whether Clause 2A shall be applicable	Not Applicable		
Clause 5			
Number of days from the date of issue of letter of acceptance for reckoning date of start	10 days		
Table of Milestones			
No.	Description	Period of completion	Amount to be withheld in case of non achievement of milestone. (% of tender amount)
1	Submission of drawing/Technical details of major equipments, Submission of makes as per NIT for approval and place of order for all major materials after approval.	07 Days	1.00%

2	Supply of Materials.	40 Days	1.00%
3	Installation, testing commissioning of all works.	55 Days	1.50%
4	Completion of all works.	60 Days	1.50%
		Total	5%
Time allowed for execution of work:		04 Months	
Authority to decide:			
(i)	Extension of time	Executive Engineer (E), CPWD, Bhubaneswar (Odisha) or successor thereof.	
(ii)	Rescheduling of milestones	Executive Engineer (E), CPWD, Bhubaneswar (Odisha) or successor thereof.	
(iii)	Shifting of date of start in case of delay in handing over of site.	Executive Engineer (E), CPWD, Bhubaneswar (Odisha) or successor thereof.	
Clause 5 Schedule of handing over of site			
Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance	*	
Part B	Portions with encumbrances	*	
Part C	Portions dependent on work of other agencies	*	
Clause 5 Schedule of issue of designs			
Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent.
Part A	Portion without any hindrance	*	
Part B	Portions with encumbrances	*	
Part C	Portions dependent on work of other agencies	*	
Clause 6		EMB	
* To be filled by EE(E), CPWD, Bhubaneswar			
Clause 7			
Gross work to be done together with net payment / adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment		10% of Tender Amount or part thereof as decided by Engineer-in-Charge.	
Clause 7A No Running Account Bill shall be paid 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		Yes Applicable	
Clause 10A List of testing equipments to be provided by the contractor at site		Megger, EARTH TESTER, Multimeter, Tong Tester	

Clause 10 B (ii) Whether clauses 10 B (ii) shall be applicable	Not Applicable
Clause 10C (Applicable in only those contracts where clause 10CC is not applicable) Components of labour expressed as percent of value of work :	25%
Clause 10CA	Deleted
Clause 10CC Clauses 10 CC to be applicable in contracts with stipulated period of completion exceeding the period of 01 Months.	12 (Twelve) Months
Clause 11 Specifications to be followed for execution of work	CPWD General Specification for electrical Works with correction slips issued upto last day of receipt of Bids. * Part I Internal Work - 2023. * Part-II-External Work- 2023. * Part V Wet Riser & Sprinkler Systems – 2020
Clause 12	Applicable as per GCC-2023(Maintenance) with upto date amendments.
Type of work	Maintenance Work
12.2. & 12.3 Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work. (a) For all items of the work	No Limit
Clause 16 Competent authority for deciding reduced rates.	Chief Engineer, BBSR, CPWD, Bhubaneswar or successor thereof.
Clause 17 Defects liability period shall be 01 Months after date of completion of work issued by the competent authority.	EE (E), BBSR, CPWD, Bhubaneswar
Clause 18 List of mandatory machinery, tools & plants to be deployed by the contractor at site	As required for timely execution of work as per direction of Engineer –in – charge
Clause 19	As per OM No.DG/CON/314 dt 24.02.2021.
Clause 19 C	Engineer -in- Charge
Clause 19 D	Engineer -in- Charge
Clause 19 G	Engineer -in- Charge
Clause 19 K	Engineer -in- Charge
Clause 25 As per OM No.DG/CON/317 dt:28.06.2021. and OM No.DG/CON/318 dt:17.08.2021.	
(i) Conciliator	SDG (Kolkata), CPWD, Kolkata.
(ii) Arbitrator Appointing Authority	Chief Engineer, CPWD, Bhubaneswar.
(iii) Place of Arbitration	To decided by Arbitrator in consultation with both the parties.

Clause 32						
Requirement of technical representative(s) and recovery rate (Electrical)						
Sl. No.	Minimum Qualification of Technical Representative	Designation of Technical Staff	Minimum experience (Years)	Number (of major + minor component)	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32	
					Figures	Words
1	Graduate Engineer or Diploma Engineer	Project Manager cum planning/ quality/Site/billing Engineer	2 Years or 5 Years Respectively	1 of major component	Rs.15000/- per month	Rs. Fifteen Thousand only per month

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

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

Assistant Engineer (E) (P)
BBSR, CPWD, Bhubaneswar

Executive Engineer (E)
BBSR, CPWD, Bhubaneswar

INTEGRITY PACT

To,
All Bidders,

Sub: NIT No. **25/EE-E/BBSR/CPWD/2026-27** for the work **MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.**

Dear Sir,

It is here by declared that CPWD is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the CPWD.

Yours faithfully

Executive Engineer (Elect)
BBSR, CPWD, Bhubaneswar-20

INTEGRITY PACT

To,
The Executive Engineer (E),
BBSR, CPWD, Bhubaneswar.

Sub: Submission of Tender for the work of **MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.**

Dear Sir,

I/We acknowledge that CPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, CPWD shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

**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 at on this day of20.....

BETWEEN

President of India represented through **Executive Engineer, BBSR, CPWD, Nirman Bhawan, Plot No. 188/623-624, Pokhariput, Bhubaneswar-751020** (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
(Details of duly authorized signatory)

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

Preamble

WHEREAS the Principal/Owner has floated the Tender (NIT No. **25/EE-E/BBSR/CPWD/2026-27** (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for

.....
(Name of work)

Hereinafter referred to as the "**Contract**".

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

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

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact 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 endeavor 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) commit 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 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 IPC 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 2 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 intensions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action 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:

Additional Conditions and Specifications for Internal Electrical Installations.

Name of work: MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.

1. General

- 1.1. The work shall be generally carried out in accordance with schedule of quantities and the following specifications and conditions.
 - a. CPWD general specifications for electrical work Part-I Internal- 2023, as amended upto date.
 - b. CPWD general specifications for electrical work Part-II external – 2023, as amended upto date.
 - c. Commercial and additional conditions for this work.
 - d. The Indian electricity Act, 2003 as amended upto date.
 - e. Indian electricity rules 1956 amended upto date.
- 1.2. The Department shall not issue any T & P and nothing extra shall be paid on account of this.

2. Rates:

The rates quoted by the tenderer, shall be firm and inclusive of all taxes (Including works contract tax, labour welfare cess (but excluding service tax), Octroi, duties and levies and all charges for packing, forwarding, insurance, freight and delivery, installation, testing, commissioning etc at site i/c temporary constructional storage, risks, over head charges, general liabilities / obligations and clearance from local authorities.

3. Completeness of tender:

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are use full and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

4. Storage and Custody of Materials:

The agency has to make his own arrangement for storage, watch and ward of the stores. Their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

5. Care of the Building:

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

6. Completion period:

The completion period indicated in the tender documents is for the entire work of supplying, installation, testing, commissioning and handing over of the entire installation to the satisfactory of the Engineer-in-Charge.

7. Performance Guarantee:

The tender shall guarantee among other things, the following visa-a-vis specifications.

- a. Quality, strength and performance of the materials used.
- b. Satisfactory operation during the maintenance period.

8. Defect Liability Period:

- a) The entire installation in general shall be guaranteed for a period of 12 months from the date of completion. Any defective materials and equipment shall be replaced free of cost at the direction of the Engineer-in-Charge within this period.

9. Release of Security Deposit after the warranty period of LED fitting/LED Lamps.

- a) All the LED Bulbs/LED fittings shall be guaranteed for a period of 5 years
- b) 50% of the Performance Guarantee shall be refunded to the contractor soon after the completion of the work and recording of the completion certificate.
- c) 50% of the Performance Guarantee shall be retained as Security Deposit.
- d) 50% of the Performance Guarantee retained as Security Deposit plus 2.5% Security Deposit already deducted from running bill (Total=2.5+2.5=5%) shall be refunded year wise proportionately.

10. Power Supply:

No power supply for the purpose of carrying out the work, except for testing and commissioning, shall be provided by the department.

11. Data and Programme to be furnished by the tenderers:

The Contractor shall prepare the programme chart for the execution of the work showing clearly all activities from the start of work to the completion required for the completion of the work within the stipulated period and submit the same to the Engineer-in-Charge within fifteen days after the issue of letter for commencement of the work. The contractor shall also submit monthly programme and progress report and update / re-schedule the same every month. These shall be submitted by the contractor in soft copy also besides forwarding hard copy of the same.

12. Extent of work:

- 12.1. The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be requirement by the department.
- 12.2. Minor building works necessary like making of opening in walls or in floors and restoring to their original condition, finish and necessary grouting etc as required to be undertaken.

13. Compliance with Regulations and Indian Standards

- 13.1. All works shall be carried out in accordance out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to this work. In particular, the equipment and installation shall comply with the following:
 - a. Factories Act.
 - b. Indian Electricity Rules.
 - c. IS & BS Standards as applicable.
 - d. Workmen's compensation Act.
 - e. Statutory norms prescribed by local bodies.

14. Indemnity:

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

15. Co-operation with Other Agencies:

The successful tender shall co-ordinate with other contractors and agencies engaged in the construction of the building and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical operation. If any unreasonable hindrance is caused to other agencies and any existing portion of the building has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself. Water proofing of pits shall not be damaged under any circumstances.

16. Verification of Correctness of Material at Destination:

The contractor shall have to produce all the relevant records to certify that the genuine material from the manufacturers has been supplied and erected.

17. Order of Preference:

Should there be any difference or discrepancy between the description of items as given in the schedule of quantities, technical specifications for individual items of work (Including additional and commercial conditions) and IS codes etc, the following order of preference shall be followed:

- a. Schedule of quantities.
- b. Commercial and additional conditions for this work.
- c. General conditions of contract for CPWD works.
- d. Drawings
- e. CPWD General Specifications.
- f. Relevant IS or any other International code in case is not available.

18. Executive Engineer (Elect.) shall be the Engineer-in-Charge as far as electrical works are concerned. Separate tender form for electrical component is appended with this tender. It will be obligatory on part of the main contractor to sign the tender documents for all the components.

19. The main agency shall be responsible for all acts of omissions and submissions of the electrical contractor or sub-contractor engaged by him, even with the approval of the department.

20. Approval of the Engineer-in-charge shall be taken well in advance for all the materials to be supplied and used in all the works by the contractor.

21. The contractor has to make his own arrangements for stores and watch and ward and no extra claim for this will be entertained.

22. Running payment for electrical / mechanical components shall be made by the EE (E) directly to the main contractor. The main contractor shall make the payment to associated contractor within 15 Days of receipt of each running account payment.

23. Payments Terms:

On account payments for part work (After stipulated and statutory deductions) as assessed by the Engineer-in-Charge for the applicable items in the contract shall be payable at part rate not exceeding the percentage indicated against the stages of work.

A] Items connected with point wiring, circuit wiring, sub-main wiring, power point wiring and light plug wiring.

S. N	Stage of work	Percentage of Rate
A	On laying of conduits with accessories, switch boxes, etc.	40%
B	On drawing of wires i/c terminations, switches, sockets, cover plates etc.	40%
C	On completion of installation, testing and commissioning.	15%
D	At the time of payment of final bill.	5%

B] Items of Lighting Fixtures, MV Panels, MCBs, MCB DBs, Rising Main, DLP Trunking etc

S. N	Stage of work	Percentage of Rate
A	On initial inspection of material and delivery at site in good condition on pro-rate basis.	70%
B	On completion of installation on pro-rata basis.	15%
C	On completion of testing and commissioning.	10%
D	At the time of payment of final bill.	5%

For other items, the part rates will be decided by the Engineer-in-Charge of the work and shall be binding on the contractor.

24. The main contractor shall be responsible for coordinating the activities of all works and will ensure progress of works as per laid down program.
25. The main contractor and / or his associated electrical contractor or his representative is bound to sign the site order books as and when required by the Engineer-in-charge and will comply with the remarks therein.
26. The contractor shall make his own arrangement at his own cost for electrical / general tools and plants required for the work.
27. The connections, interconnections, earthing and loop earthing shall be done by the contractor when ever required to be done for energisation of the installation and nothing extra shall be paid on this account.
28. The contractor must be able to work on concrete slabs / walls as and when required and in complete coordination with the civil works. Cutting of chases in the plastered wall shall in no case be allowed. The contractor shall fix conduits and boxes in the walls soon after the brick work is completed and finish the case to rough surface with proper cement sand mixture. Only in exceptional cases e.g. where cutting of plastered surface can not be avoided it will be contractor's responsibility to ensure that plastering is done to match the original finish at no extra cost.
29. The contractor shall remove all the debris due to the electrical works from the site as soon as the work is completed.
30. The wiring and conduit route shall be marked by the contractor in the drawing first, and shall be got approved from Engineer-in-Charge.
31. Some light points in lobby / corridors / stair case / lift shaft etc are group controlled which will be measured as per specifications.
32. The rupturing capacity of the MCB's shall be **10KA**. The MCB's shall have **ISI mark**. Quantities of MCBs of different rating of 6 amps to 32 amps shall be brought in consultation and after obtaining approval from the Engineer-in-Charge.
33. All the MCCB's shall be rated for **lcs=lcu**
34. The copper wires to be used on this work shall be FRLS type and ISI marked.

35. The make of switch boxes shall be the same as that of switches. Only the required knockouts of the switch boxes are to be removed for terminating the conduit pipes with PVC glands / check nuts.

Make of MCB / MCCB shall be the same as the make of MCB DB.

All the switch boxes, MCB DBs are to be covered with plastic sheet / petroleum gelly when installed in brick work till the plastering / painting is done to avoid sticking of cement plaster / splashes of the paint. Cement plaster / paint are to be cleaned immediately after plaster to avoid rusting of switch boxes and MCB DBs. The plastic sheet is to be removed at the time of handing over.

All pin 15 amp and 6 pin 15/16 amps power sockets, fan regulator shall be of 2/3 module type.

36. The contractor shall submit technical data sheet(TDS) for Engineer-in-charge for approval regarding purchases of wires, modular switches & accessories, MCB's MCB DB, LED fittings, accessories and other items, from the manufacturer's authorization outlets.
37. All PVC conduits accessories shall be of the same make as conduits. The conduits shall be terminated at switch boxes / metallic junction boxes with suitable PVC glands / check nuts.
38. All the sub main and circuit wiring includes loose wire for connections inside switch boxes and MCB DB's No payment for these wires shall be made. However wires within the cubical panel will be measured and paid under relevant item of work. All the circuit/sub main wiring are to be suitably numbered with stickers/marker pen at LT panel, MCB DB's switch boards (ON backside of cover plate) for ease of maintenance. Nothing shall be paid extra on this account.
39. The contractor shall submit the completion plan separately in triplicate within 30 days of the completion of work. In case, the contractor fails to submit the plan, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs. 25, 000.00.
40. To facilitate drawing of wires, 18 SWG GI fish wire shall be provided along with laying of recessed conduit for which no extra payment shall be made. Conduits laid for other services, like fire alarm, PA etc, where wiring is not done along with EI works, fish wire shall be invariably drawn.
41. The connection between incoming switch / isolator and bus bar shall be made with suitable size of thimble and cable at no extra cost.
42. Copper conductor of insulated cables of size 1.5 Sq.mm and above shall be stranded and terminals provided with crimped lugs.
43. All MS junction box cover should be of phenolic laminated / good quality plastic sheet of thickness not less than 3 mm and for which nothing extra shall be paid on the account.
44. All sub-main/power/light wiring shall be terminated in the main board as well as in the switch boards/socket outlets with suitable copper lugs / thimbles for which nothing extra shall be paid on this account.
45. All hardware items such as screw, thimbles, GI wire etc which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.
46. All hardware items such as nuts / bolts / screws / washers etc to be used in work shall be zinc / cadmium plate iron.
47. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.
48. While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the Engineer-in-Charge.

49. Materials to be used in work are to be ISI marked. The make of the materials have been indicated in the list of acceptable makes. No other makes will be acceptable. The materials to be used in the work shall be got approved by the Engineer-in-Charge / his representative before use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the materials which, in his opinion, is not acceptable.
50. Where switches / sockets / regulator / telephone / TV / internet outlets are to be provided the same shall be of only one make.
51. While laying conduits for fire alarm system, sufficient junction outlets are to be provided as per the direction of the Engineer-in-charge for detectors as reqd.
52. Wherever light fittings are proposed to be provided on the false ceiling, the respective light / fan point wiring will have to be brought up to the terminal of the light fittings / fans by the contractor. Flexible metal conduits shall be used for drawing wires from ceiling to fittings on false ceiling and nothing extra shall be paid to the contractor for the same.
53. Rate Rationalization shall be applicable in case the same item appears more than once in the schedule of work under the same sub-head or among the different subhead of works. Accordingly the lowest rate quoted for that item among all the sub-heads shall be considered for all similar items for evaluation of tender and making payment.
54. All statutory deductions like WCT, labour welfare cess etc. shall be made from the bills.

LIST OF APPROVED MAKES OF MATERIALS

Name of work: MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.

S.No.	Description of item	Acceptable Makes
SH : Electrical Works		
1	PVC Conduits (ISI marked) (color of conduit : Ivory / Grey)	Precision/AKG/BEC/GM/Atul/ Norpack
2	Wires (PVC insulated copper conductor cable FRLS-ISI marked) / Telephone cables / Submersible cables / Co-axial / TV cables	Havells /Finolex / KEI / RR Kabel / Polycab.
3	MCBs / RCCB / RCBO/MCB DBs, Industrial Sockets and accessories.	Legrand / Schneider Electric / ABB / Siemens / C&S / LK
4	LED Luminaries / street light / Flood Light	Phillips / Wipro / Havells / K-Lite / LT / Trilux / Regent
5	Modular Switches/Sockets/TV Socket / Telephone sockets / Data Sockets / Electronic Regulators / AC Starter Switch etc.	Legrand (Myrius), Panasonic (Vision), Crabtree (Morano), C&S (Elusio), Schneider (Unica Pure)
6	1.1 KV / 11 KV Cable UG Cable / Control Cable (ISI marked)	Havells /RR Kabel/KEI/Polycab/ Finolex
7	1200 mm sweep ceiling fans with BLDC motor	Orient, Havells, Atomberg, USHA
8	300mm / 230mm metallic body (Heavy duty)	Crompton, Orient, Bajaj, Almonard, Atomberg, USHA
9	Junction Box / Weather proof boxes	Obo Betterman, Hensel, Legrand, C & S, Hager, Trinity Touch
10	LT Panel (CPRI approved)	SKEIPL / SK Engineering Works / SPC Electrotech / Tricolite / United Engineers / Technocrat / RR Ispat / BSPL/Utkal Electrical Industries
11	Any other item	To be decided by Engineer-In-Charge

Assistant Engineer (E) (P)
BBSR, CPWD, Bhubaneswar

Executive Engineer (E)
BBSR, CPWD, Bhubaneswar

SCHEDULE OF WORK						
NIT NO.: 25 / EE-E / BBSR / CPWD / 2026-27						
Name of work: MOEI & Fans i/c RMO P/set at SOI Residential Colony, Nayapalli, Bhubaneswar During 2026-27. SH: Renovation of electrical wirings, fittings for different quarters of Type-I, Type-II and Type-III at SOI Residential Colony, Bhubaneswar.						
S.N	Description of Item	Qty	Unit	Rate	Amount	Remarks
1	Disconnection of Main Line and Dismantling of existing light point/ fan point/ exhaust fan point/ call bell point i/c fittings and fixtures, Electricals MCB DBs, Panels, circuit, Submains and stacking of ceiling fan, exhaust fan at site store etc. complete as required. (Quarter Type-I- 2 Nos., Type-II - 4 Nos., Type-III- 4 Nos.)	1	Job	12631.00	12631.00	MR
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.					
2.1	Group A	178	Point	1189.00	211642.00	1.10.1
3	Wiring for light/ power plug with 2X4 sq. mm FRLS/HFFR PVC insulated copper conductor singlecore cable in surface/ recessed medium class PVC conduit along with 1 No. 4 sq. mm FRLS / HFFR PVC insulated copper conductor single core cable for loop earthing as required.	800	Mtr	373.00	298400.00	1.12
4	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	400	Mtr	587.00	234800.00	1.13
5	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 medium class PVC conduit as required.					
5.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	300	Mtr	267.00	80100.00	1.14.1
5.2	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	300	Mtr	482.00	144600.00	1.14.4
6	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
6.1	Bell push	10	Each	159.00	1590.00	1.24.8
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	76	Each	545.00	41420.00	1.31
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	82	Each	659.00	54038.00	1.32
9	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	10	Each	112.00	1120.00	1.38
10	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 Nos. 3 pin 5/6 A modular socket outlet and 2 Nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	24	Each	757.00	18168.00	1.56
11	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	34	Each	807.00	27438.00	1.57

12	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.					
12.1	1 or 2 Module (75mmX75mm)	24	Each	354.00	8496.00	1.27.1
13	Supplying and fixing 25 Amp motor starter in existing modular GI box with modular plate including connections etc. as required.	24	Each	1136.00	27264.00	MR
14	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
14.1	16 way, Double door	10	Each	3367.00	33670.00	2.3.4
15	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 32 amps 240 volts "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	10	Each	1258.00	12580.00	2.16
16	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
16.1	Single pole	140	Each	285.00	39900.00	2.10.1
16.2	Double pole	10	Each	696.00	6960.00	2.10.3
17	Supplying, installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS:10322 with driver (Replaceable) as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection, THD < 10% , P. F. ≥ 0.95, IP20, CRI >80, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends, CCT 3000°K /4000°K/5700°K/6000°K/6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/Screen printing on housing. complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥105 <120 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C).					
17.1	18-22 watt	42	Each	681.00	28602.00	8.9.1

18	Supplying, installation, Testing & Commissioning of LED Recessed/surface Down lighter (Round/square/Rectangular) SMD type of following body material with PMMA and prismatic diffuser and construction as per IS : 10322 with driver as per the requirement with Driver efficiency > 85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80 , UGR (Unified Glare Rating) < 19, Flicker free (flicker should be below 5%), life time (LED,Driver & electrical circuitary), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K/4000°K / 5700°K/6000°K/6500°K (As per ANSI Bin), SDCM (Standard Deviation Color Matching)<3, Maximum power consumption should not more than the specified rating and Fixture shall be confirming to relevant BIS standards and trade mark certificate (T.C.). Manufactures Word Mark/Name Engraved/Embossing/ Screen printing on housing Complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥105 and <120 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C)					
18.1	8 -10 watt	30	Each	624.00	18720.00	8.1.2
19	Supplying, installation, Testing & Commissioning of 10 Watt LED Bulkhead with IP65 comprising of minimum system efficacy 80 lm/watt suitable for single phase, 230 V, CRI>= 80,THD < 10%, CCT>=5700K etc. complete as required.	10	Each	2020.00	20200.00	MR
20	Supplying, installation, Testing & commissioning of 300 mm sweep 900 rpm light duty metal body exhaust fan, having double ball bearing with ISI Marked suitable for 220-240V, 50 Hz AC supply i/c cutting the hole, make finishing etc. complete as required.	20	Each	2440.00	48800.00	MR
21	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, suitable for operation with regulator for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply, Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.	32	Each	2695.00	86240.00	9.2.3
22	SITC of LED type surface /wall mounting fancy wall bracket fitting suitable for operation on 240 V, 50 Hz, single phase AC supply, complete with opal glass with nickel finishing including 7 W LED complete as reqd.	32	Each	2252.00	72064.00	MR
23	Supplying, installation, Testing & Commissioning of surface mounted 10 Watt LED Mirror Light fitting with extruded aluminium housing, in built driver , comprising of minimum system efficacy 100 lm/watt,CRI>80,THD < 10% suitable for single phase, 230 V, 50 Hz AC supply complete etc. as required.	10	Each	606.00	6060.00	MR

24	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	30	Each	47.00	1410.00	1.26
25	Supplying of following size ISI marked XLPE insulated and PVC sheathed aluminium conductor armoured Power cable of 1.1 KV grade as required.					
25.1	3.5 X 35 sq. mm	100	Mtr	654.00	65400.00	MR
26	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/DWC pipe as required.					
26.1	Upto 35 sq. mm	80	Mtr	47.00	3760.00	10.5.1
27	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.					
27.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	10	Mtr	64.00	640.00	10.7.1
28	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.					
28.1	Upto 35 sq. mm	10	Mtr	36.00	360.00	10.6.1
29	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required					
29.1	100mm dia	10	Mtr	1918.00	19180.00	15.13.3
30	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.					
30.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	70	Mtr	289.00	20230.00	15.16.1
31	Fabrication & Supplying of Indoor Floor/wall mounted meter panel, IP 42, suitable for 415V, 3 phase, 4 wire, 50Hz AC supply system of suitable size fabricated in compartmentalized design from CRCA sheet steel of 2 mm thick for frame work and cover, 3 mm thick for gland plates, with phophatised power coated paint (7 tank process for powder coating) having busbar of suitable size with heat shrink sleeved, DMC /SMC bus bar supports, Fabrication shall be done in transportable sections, entire panel shall have a common GI earth bar of size 25 mm x 5 mm earth bar 2Nos, and control wiring with 2.5 sq. mm PVC FRLS insulated copper conductor S/C cable, cable alleys, cable gland plates i/c supply & fixing of following switch gears therein including less credit for damaged/ wornout dismantled meter panel. (Metering panel for Type-V Quarters)					
	150 Amps, 4 Strip Aluminium bus bar - 1 Set					
	Incomer :					
	100A, 4P, 25KA, MCCB, thermal magnetic release (O/L, S/C) (ICS=100%ICU) with Extended Rotary handle -1 No					
	LED Type phase Indicating lamp (RYB) - 3Nos					
	6A, SP, 10KA, control MCB "C" curve - 3Nos					
	Digital Voltmeter (0 - 500V) with selector switch - 1Set					
	Digital Ampmeter with selector switch - 1Set					
	CTs 100/5A - 3Nos					
	Outgoing :					
	63A, 4P, 10KA, MCB 'C' Curve - 3Nos					
	Spare space for 10 - 60A Three Phase Energy Meter - 3Nos	1	Job	63764.00	63764.00	MR

32	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	Set	8351.00	16702.00	5.4
33	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	5	Mtr	755.00	3775.00	5.11
34	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	15	Mtr	287.00	4305.00	5.15
				Total	1735029.00	

Assistant Engineer (E) P
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Executive Engineer (E)
BBSR, CPWD, Bhubaneswar