



भारतसरकार/ GOVERNMENT OF INDIA

केन्द्रीयलोकनिर्माणविभाग/ CENTRAL PUBLIC WORKS DEPARTMENT

विशाखपट्टणम /VISAKHAPATNAM



NIT No. 38/EE(E)(Vizag)/2026-27

Name of work: MOEI & Fans, Mtce. & operation of sub-station, fire alarm system, wet riser system at Office Building for Employees Provident Fund Organization (EPFO) campus at Marripalem, Visakhapatnam during 2026-27. SH: Providing Services for Operation and Maintenance of IEI & Fans, Substation, DG set, Fire Fighting with wet riser system and fire alarm system.

NIT Amount: Rs.17,30,316/-

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Certified that this draft N.I.T contains 1 to 50 pages only

Notice Inviting Tender is approved for Rs.17,30,316/- (Rupees Seventeen Lakhs Thirty Thousand Three Hundred and Sixteen Only)

Executive Engineer(E)(Vizag)

NOTICE INVITING TENDER

The Executive Engineer (E)(Vizag), CPWD, Visakhapatnam invites on behalf of President of India online Percentage rate bids from approved and eligible contractors of CPWD (Building and Roads Category) for the work of "MOEI & Fans, Mtce. & operation of sub-station, fire alarm system, wet riser system at Office Building for Employees Provident Fund Organization (EPFO) campus at Marripalem, Visakhapatnam during 2026-27. SH: Providing Services for Operation and Maintenance of IEI & Fans, Substation, DG set, Fire Fighting with wet riser system and fire alarm system. "NIT No. 38/EE(E)(Vizag)/2026-27; Estimated Cost Put to Tender: **Rs.17,30,316/-**; Earnest Money : **Rs. 34,606/-**; Period of completion : 12(Twelve) months; Last time and date of submission of bid: Up to 17:00 Hours on **28/10/2026**. The bid forms and other details can be obtained from the website: <https://etender.cpwd.gov.in/>.



कार्यपालक अभियंता [विद्युत] का कार्यालय,
केन्द्रीय लोक निर्माण विभाग,
39-27-41/1, मादावाधारा,
मरिपालेम पोस्ट, विशाखपट्टणम - 530018



भारत सरकार
Government of
India



Office of the EE (E)
(Vizag), Central Public Works
Department, # 39-27-
41/1, Madhavadhara,
Marripalem post, Visakhapatnam-530018.

Phone: 0891-2975978 e-mail: visceevcd.cpwd@nic.in

सं. 54(192)/2026/का.अ(वि)/विशाखपट्टणम/ 762 (हिं)

दिनांक: 21 /10/2026

Copy To: -

- 1) The Chief Engineer (Vijayawada), CPWD, Vijayawada.
- 2) The Executive Engineer (Vizag), CPWD, Visakhapatnam.
- 3) The Assistant Engineer (E), CPWD, Visakhapatnam.
- 4) Notice Board
- 5) Website

Executive Engineer (E)(Vizag),
CPWD, Visakhapatnam

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING
FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE

(Applicable for inviting open bids)

The Executive Engineer(E) (Vizag), CPWD, Visakhapatnam on behalf of President of India invites online percentage rate bids in open bid system from approved and eligible contractors of CPWD (Building and Roads Category) for following work:-

Sl.No.	Description	Details
1	NIT No.	38/EE(E)(Vizag)/2026-27
2	Name of Work	MOEI & Fans, Mtce. & operation of substation, fire alarm system, wet riser system at Office Building for Employees Provident Fund Organization (EPFO) campus at Marripalem, Visakhapatnam during 2026-27. SH: Providing Services for Operation and Maintenance of IEI & Fans , Substation, DG set, Fire Fighting with wet riser system and fire alarm system.
3	Estimated Cost Put to Tender(Composite)	Rs. 17,30,316/-
4	Earnest Money (EMD)	Rs. 34,606/-
5	Period of Completion	12 Months.
6	Last time & date of online submission of bid, original EMD, copy of receipt for deposition of original EMD, and other documents as specified in the press notice.	Upto 17:00 Hours on 28/10/2026.
7	Time & date of opening of Bid.	Upto 17:30 Hours on 28/10/2026.

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 <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
4. Applicants are advised to keep visiting the above mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respects including updates thereof, if any. An incomplete application may be liable for rejection.
5. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting the bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Account Payee Demand Draft/ Fixed Deposit Receipt/ Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks towards EMD drawn in favour of Executive Engineer (Vizag), CPWD, Visakhapatnam, receipt for deposition of original

EMD to division office of any Executive Engineer, (including NIT issuing EE/AE) CPWD and other documents as specified.

A part of earnest money is acceptable in the form of Bank Guarantee also. In such cases 50% of earnest money or Rs. 20 lakh whichever is less, will have to be deposited in shape prescribed above and balance can be accepted in form of Bank Guarantee issued by a Commercial Bank.

6. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
7. The intending bidder must have valid class-III digital signature to submit the bid.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of **JPG** format and **PDF** format.
10. a) The column meant for quoting percentage rate in figures appears in pink colour and the moment percentage is entered, it turns sky blue.
b) Tenderer shall quote the percentage rate above or below upto two places of decimals only.
c) If a tenderer does not quote any percentage above/below on the total amount of the tender or any section / sub-head in percentage rate tender, the tender shall be treated as invalid and will not be entertained as lowest tenderer.
d) It is mandatory to upload scanned copies of all the documents including GST registration. If documents are not uploaded, then bid will become invalid and shall summarily be rejected.
e) Please read Para – 9 of CPWD-6 for further details.
11. **List of Mandatory Documents to be scanned and uploaded within the period of bid submission:**

- i) Copy of receipt for deposition of original EMD to division office of any EE, CPWD. (Form-A)
- ii) Electrical License issued by State of Andhra Pradesh. If the bidder has not obtained Electrical License issued by State of Andhra Pradesh, then in such a case the bidder shall scan and upload following undertaking along with other bid documents "If work is awarded to me, I shall associate any electrical contractor having valid electrical license issued by State of Andhra Pradesh or I myself shall obtain Electrical license of State of Andhra Pradesh within 7 days from date of issue of letter of acceptance."
- iii) Enlistment order of the contractor
- iv) 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 other bid documents.

"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."

- v) ERP certificate issued by NCA or RTIC or by any other RTI or by train the trainers for having taken ERP training.

Assistant Engineer (E)(P)
CPWD, Visakhapatnam

Executive Engineer (E) (Vizag)
CPWD, Visakhapatnam

CPWD-6 for e-Tendering

Online percentage rate bids are invited on behalf of President of India from approved and eligible contractors of CPWD (Composite Category) for the work of –“MOEI & Fans, Mtce. & operation of substation, fire alarm system, wet riser system at Office Building for Employees Provident Fund Organization (EPFO) campus at Marripalem, Visakhapatnam during 2026-27. SH: Providing Services for Operation and Maintenance of IEI & Fans , Substation, DG set, Fire Fighting with wet riser system and fire alarm system”. 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.

The work is Estimated to Cost **Rs. 17,30,316/-**

This estimate, however, is given merely as a rough guide.

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. 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 elsewhere in the tender.
2. Agreement shall be drawn with the successful bidder on prescribed Form No. **CPWD 7** (or other Standard Form as mentioned) which is available at Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be 12 months from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website <http://etender.cpwd.gov.in> or www.cpwd.gov.in at free of cost.
The standard publications like General Conditions of Contract, Delhi schedule of rates 2023/2025 (for civil and electrical), Specifications for Civil and Electrical works and Delhi analysis of rates 2023/2025 (for civil & electrical) with amendments / correction slips up to the last date of submission of tender can be seen free of cost from the website www.cpwd.gov.in.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the consolidated percentage rate any number of times (he need not re-enter percentage rate of all the schedules or sub heads) but before last time and date of submission of bid as notified.
8. Earnest Money of **Rs. 34,606/-** in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of Executive Engineer (vizag), CPWD, Visakhapatnam

) 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 tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial Bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders. The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment order and other documents as specified in the NIT 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 NIT shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The eligibility bid submitted shall be opened at 17:00 Hours on 26/10/2026

9. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD.
- (iii) The bidder does not upload all the documents (including GST registration) as stipulated in the bid document including the copy of receipt of 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 bidder in the office of bid opening authority.

In case of 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.

- v) If a tenderer does not quote any percentage above/below on the total amount of the tender or any section/sub-head in percentage rate tender, the tender shall be treated as invalid and will not be entertained as lowest tenderer.

10. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the

period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

11. Site of Employees Provident Fund Organisation (EPFO) campus at Marripalem, Visakhapatnam, Andhra Pradesh is available to execute the work.
12. 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.
13. 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.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted officer in the Central Public Works Department or in the Ministry of 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.
17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the

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

18. The bid for the work shall remain open for acceptance for a period of Thirty (30) days from the date of opening of bid. 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 bidders shall not be allowed to participate in the rebidding process of the work.
19. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 7 days from the stipulated date of start of the work, sign the contract consisting of: -
 - (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.
20. 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 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.

Executive Engineer (E) (Vizag)
CPWD, Visakhapatnam
(For & on behalf of President of India)

BRIEF PARTICULARS OF WORK AND CONDITION FOR EXECUTION:

Sl. No	Component of works	Eligibility
1.	Operation and Maintenance of E&M equipments, supply of electrical materials	The main agency should have valid Electrical license issued by state of Andhra Pradesh or engage any electrical contractor having valid electrical license of state of Andhra Pradesh for executing electrical works.
2.	Quarterly preventive maintenance and providing B check material for DG set	The main contractor shall associate with the OEM (Kirloskar)/Authorized service dealer of OEM i.e., Kirloskar.
3.	Non - Comprehensive AMC Firefighting equipment and Fire Alarm system	The main contractor shall associate with the service provider dealing with similar works.

NIT issuing EE, as the case may be)

C.P.W.D-7

GOVERNMENT OF
INDIA CENTRAL PUBLIC WORKS DEPARTMENT

STATE : Andhra Pradesh
BRANCH : E&M

ZONE : CE, Vijayawada
Division: EE(E), Visakhapatnam.

PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Name of Work: MOEI & Fans, Mtce. & operation of sub-station, fire alarm system, wet riser system at Office Building for Employees Provident Fund Organization (EPFO) campus at Marripalem, Visakhapatnam during 2026-27. SH: Providing Services for Operation and Maintenance of IEI & Fans, Substation, DG set, Fire Fighting with wet riser system and fire alarm system.

i. To be uploaded online by 17:00 hours on 28/10/2026 through website <https://etender.cpwd.gov.in> or www.cpwd.gov.in

(i) To be opened in presence of tenderers who may be present at 17:30 hours on 28/10/2026 in the office of O/o Executive Engineer (E)(Vizag), CPWD, Visakhapatnam.

TENDER

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

I/ We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all 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.

We agree to keep the tender open for Thirty (30) days from the date of opening of bid.

A sum of **Rs. 34,606/-** is hereby forwarded in the form of insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of Executive Engineer(vizag), CPWD, Visakhapatnam) as earnest money.

A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank and bank guarantee issued by a scheduled bank is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the 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 the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor/agency 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 _____

Signatures of Contractor

Signatures of Contractor

Postal Address

Witness:

Address:

Occupation:

ACCEPTANCE

The above tender (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)

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

(a)

(b)

(c)

For & on behalf of President of India

Signatures:

Dated:

Designation:

Executive Engineer(E)(Vizag)
CPWD, Visakhapatnam.

PROFORMA OF SCHEDULES A to F**(E&M COMPONENT)****SCHEDULE 'A'**

Schedule of Quantities: **Attached**

Estimated Cost Put to Tender (Composite) : **Rs. 17,30,316/-**

SCHEDULE 'D'

Extra schedule for specific requirements / documents for the work, if any-

- a. Special& Additional Conditions : Attached
- b. Particular specifications : Attached

SCHEDULE 'E'

Reference to General Conditions of contract:

GCC 2023 for Maintenance Works modified upto DG
/ CON-Maintenance-2023/20 dated: 18/08/2026

Name of Work: MOEI & Fans, Mtce. & operation of sub-station, fire alarm system, wet riser system at Office Building for Employees Provident Fund Organization (EPFO) campus at Marripalem, Visakhapatnam during 2026-27. SH: Providing Services for Operation and Maintenance of IEI & Fans, Substation, DG set, Fire Fighting with wet riser system and fire alarm system.

Estimated Cost Put to Tender (Composite) : **Rs. 17,30,316/-**

- (i) Earnest money : **Rs. 34,606/-**. (To be returned after receiving Performance Guarantee).
- (ii) Performance Guarantee : a) 5% of 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 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
- (iii) Security Deposits : 2.5% of tendered / accepted value.

SCHEDULE 'F'- General Rules & Directions:

Officer inviting tender:

**Executive Engineer (E)(Vizag),
CPWD, Visakhapatnam.**

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 : **See below under Clause 12.**

& 12.3

Definitions

- 2(v) Engineer-in-Charge : **Executive Engineer (E)(Vizag)
CPWD, Visakhapatnam or successor thereof.**
- 2(viii) Accepting Authority : **Executive Engineer (E)(Vizag)
CPWD, Visakhapatnam or successor thereof.**
- 2(x) Percentage on cost of materials and labour to cover all overheads and profits. : **15%**
- 2(xi) Standard schedule of Rates : **Delhi Schedule of Rates 2025**
- 2(xii) Department : **Central Public Works Department.**
- 9(ii) Standard CPWD contract Form GCC 2019, CPWD-7 as modified & corrected up to : **GCC 2023 for Maintenance Works modified upto DG / CON-Maintenance-2023/20 dated: 18/08/2026**

Clause 1

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

Clause 2

- Authority for fixing compensation under clause-2. : **Chief Engineer (Vijayawada), CPWD, Vijayawada or his successor.**

Clause 2A

- : **Not Applicable**

Whether clause 2A shall be applicable

Clause 5

Number of days from the date of issue : **7 days**
of letter of acceptance for reckoning
date of start

MILE STONE(S) AS PER TABLE GIVEN BELOW

SI. No.	Milestone Programme	Time Allowed (from date of start)	Amount to be withheld in case of non-achievement of milestone
-----Nil-----			
Time Period allowed for execution of Work: - 12 Months.			

Authority to decide:			
i)	Extension of Time	:	Executive Engineer (E) (Vizag), CPWD, Visakhapatnam or his successor.
ii)	Rescheduling of Mile stones	:	Executive Engineer (E) (Vizag), CPWD, Visakhapatnam or his successor.
iii)	Shifting the date of start in case of delay in handing over of site	:	Executive Engineer (E) (Vizag), CPWD, Visakhapatnam or his successor.

Schedule of handing over of site :

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	Full site is hindrance free	Not Applicable
Part B	Portions with encumbrances	NIL	Not Applicable
Part C	Portions dependent on work of other agencies	NIL	Not Applicable

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	:	4 lakhs or one running bill in every three months.
Clause 7A Whether clause 7A shall be applicable:		Not Applicable
Clause 10A List of testing equipment to be provided by the contractor at site lab.	:	T&P and machinery required as mentioned in the NIT.
Clause 10B(ii) Whether Clause 10B (ii) shall be applicable.	:	Not Applicable.
Clause 10C Component of Labour expressed as percent of value of work.	:	Not applicable. However difference in minimum wages as and when raised by the authorities concerned, shall be reimbursed on production of proof of payment made to the skilled / unskilled persons with out overhead and profit. Therefore no deduction will be made due to IT, GST, LWC etc., on account of this reimbursement.

Clause 10CA- Not Applicable

Clause 10CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column.	:	Not Applicable.
Clause 11 Specifications to be followed for execution of work	:	CPWD General specifications for External 2023, Internal 2023, Sub Station – 2013, Wet riser 2020, Fire detection & alarm system 2018, D.G. Sets - 2013 and HVAC – 2024 with up-to-date correction slips and as per additional specifications & conditions mentioned in the NIT.
Clause 12 Type of work	:	Maintenance work.
Authority to decide deviation upto 1.5 times of tendered amount	:	AE/EE/CE as per their delegation of powers

Clause 16 Competent authority for deciding the reduced rates	:	Chief Engineer (Vijayawada), CPWD, Vijayawada
Clause 18 List of mandatory machinery, tools & plants to be deployed by the contractor at site	:	T&P and machinery required as directed by the Engineer-in-charge.

Clause -19C, 19D, 19G, 19K:- Authority to decide penalty for each default	Executive Engineer (E) (Vizag), CPWD, Visakhapatnam or his successor.
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Clause: 25

Provisions applicable as amended by DG/CON/Maintenance 2023/20, dated: 18/08/2026

Clause 32 : Requirement of Technical Representative(s) and recovery rates

For Major & Minor Components: S No	Requirement of Technical Staff		Minimum experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling
	Qualification	Number			
1	Graduate Engineer or Diploma Engineer	1	2 or 5 years respectively	Project Manager cum planning/quality/site/billing engineer	Rs.15,000/- per month per person

**Executive Engineer (E)(Vizag),
CPWD, Visakhapatnam.**

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**

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

OR**

- Whereas the Executive Engineer (name of division), CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number with(name and address of the contractor) (hereinafter called "the Contractor") for execution of work (name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date)..... as **Performance Guarantee/Security Deposit/Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.
2. We, ... (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees..... only) on demand by the Government within 10 days of the demand.
 3. We, ...(indicate the name of the Bank), do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only)
 4. We, ... (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
 5. We, ... (indicate the name of the Bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing

whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, ... (indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We, ... (indicate the name of the Bank), undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date

Witnesses:

1. Signature.....
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 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

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

ANNEXURE A

**Additional Terms & Conditions
(General and IEI&FANS)**

- 1) The contractor shall strictly provide the staff for manning the installation as per the requirement of shift as per Annexure. The contractor has to provide staff as per the directions of Engineer-in-charge.
- 2) The prospective tenderer should visit the site and acquaint himself with the conditions, existing restrictions in movements / working hours, security aspects, conditions of the plant / equipment to be operated before quoting for the job. Complaints regarding loss of labour, items of work not included in the scope of work, variation etc. will be entertained at a later date.
- 3) **The contractor shall strictly provide the staff for maintaining the installation as per the requirement of shift and qualification and as per directions of Engineer-in-charge.
(Item No. 1 of Schedule of Quantity)**

Skilled Persons excluding Sundays- 2 Nos
Un-Skilled Person excluding Sundays- 1 No
(All in General shift)
(General shift from 9:00AM to 6:00PM)

- 4) The prospective tenderer shall inspect the installation to be operated / maintained and list out the short comings and clearly bring out the repair / replacement costs in the tender failing which no claim for the extra payment towards any repair / replacement costs in the tender not envisaged in the contract, shall be made.
- 5) All major repairs including rewinding of motors, replacement of switch gear etc. are not covered in the scope of this contract. However minor line leakage troubles etc. are to be carried out by the tenderer.
- 6) Personal engaged for operation for E&M installations shall posses valid required licenses as detailed below:-
 - a. **Skilled: (For E&M operations): The skilled person shall posses wireman license /ITI in respective trade and minimum Three year experience.**
 - b. **Un-skilled: (Khallasi - Electrical): Physical fitness for unskilled work and who have put in at least three years continuous service in respective field.**
- 7) The contractor shall clearly state the details and periodicity of routine periodic maintenance proposed to be carried out by him and shall execute the same in the presence of the authorized representative of Engineer-in-Charge and certificate obtained. In case the representative was not available the position should be indicated in the log book.
- 8) The contractor shall arrange to maintain a log book indicating the hours of operation and such other details like current voltage temperature pressure etc.
- 9) The personnel engaged shall behave courteously when interacting with the officials of CPWD/Client department.
- 10) The personnel engaged shall report to the Junior Engineer (E) and take instructions with regard to the day to day maintenance.
- 11) The Contractor shall arrange to issue identity cards and Uniforms to the persons engaged on the job. The staff should invariably display the identity card and wear uniform & shoes on duty.

- 12) No advance payment shall be made. However monthly payment at such Convenience interval of as decided by the contractor and department subject to satisfactory maintenance.
- 13) In case of any accident during the operation / maintenance of the equipment leading to injuries / damages to human beings / equipment and / or loss of life, the contractor shall be fully responsible for settling all claims and indemnify the Department against any claims arising out of such accidents. Consequential damages to other systems shall however not be recoverable from the contractor.
- 14) Upkeep & maintenance of records, log book, attendance of the staff is the responsibility of the contractor. However a copy of the monthly attendance can be had by the contractor for the purpose of disbursement etc.
- 15) The contractor and / or the representative / labour shall not remove or disturb, dislocate the existing equipment and its parts from its locations until and unless, it is authorized by the Engineer-in-Charge. The entire installations should be intact at any time of inspection and as handed over to him at the time of initial taking over of its maintenance and operation. Care should be taken not to damage and shall have to make good to its original shape as and when damage takes place or it is noticed.
- 16) The contractor is not entitled for any payment under clause 10 C.C.
- 17) Pruning/Trimming of branches, cleaning of domes of street lights shall be carried on periodically so that the illumination of the street lights does not decrease.
- 18) If any staff is absent for duty on any shift Rs. 900/- per day shall be recovered from the bills due to the contract. Recovery for delay in attend the complaints as follows
Recovery shall be effected for delay in attending the complaints at the rate of "Rs.400/- (Rupees four hundred) per each day of delay in attending the complaint
- 19) Timings for shift shall be as per the decision of Engineer-in-charge.
- 20) The contractor has to pay minimum Labour Wages as fixed by the department of Labour Government of India from time to time. The contractor shall ensure payment of wages to all workmen on or before the 7th day of the succeeding month in compliance with applicable Labour Laws/Code on Wages, 2019. If the contractor fails to pay by the 7th day of the succeeding month, a penalty shall apply.
- 21) The rates quoted by the contractor shall be inclusive of all Taxes, GST, duties, labour cess, etc., and all mandatory taxes as applicable shall be deducted at source from time to time from the contractor's Bills.
- 22) As and when required, the Contractor shall be in liaison with APSPDCL during Power/line breakdowns etc.
- 23) The quoted rate shall inclusive of the cost of reliever for all the staff. Hence contractor shall provide reliever for all the staff and nothing extra shall be paid on this account.
- 24) The workers engaged shall not have any claim or right for permanent employment in the department.
- 26) The contractor shall submit the copies of following documents duly countersigned / Certified by the Assistant Engineer(E) along with the RA/final bill for verification and payment by the division office.
 - i) Wages register
 - ii) Proof of payment made to the staff through bank

- 27) Log books shall be maintained as per the tabular forms enclosed (wherever applicable) as per the direction of Engineer-in-charge.
- 28) Contribution towards ESI & PF paid shall be reimbursed (as per rules applicable) upon production of receipt of payment made for this work.
- 29) All the debris due to the electrical work shall be cleared every now and then and the site shall be kept clean by the contractor at all times.
- 30) All the work men engaged for the services to be provided as per the agreement shall get social security benefits from the contractor like EPF & ESI. Therefore, the agency shall provide the EPF & ESIC benefits to the workers employed and the proof of depositing the contribution to EPF & ESIC organizations duly verified by J.E.(E), A.E.(E) for verification and also shall be submitted along with the bill. Contribution towards ESI & PF paid shall be reimbursed of same (as per rules applicable) upon providing of receipt of payment made for this work. The following records shall be maintained and produced for inspection whenever required:
- (i) Register of Workers Employed by Contractor
 - (ii) Register of Wages
 - (iii) Wage Slips
 - (iv) Register of Deductions for Damage or Loss
 - (v) Register of Fines
 - (vi) Register of Advances
 - (vii) Register of Overtime
 - (viii) ESI Contribution Records
 - (ix) EPF Contribution Records
 - (x) Attendance Records
 - (xi) Any other statutory records prescribed under applicable labour laws
- 31) The agency shall pay bonus to the workers as per payment of bonus act 1965 and also submit the proof of payment made to the workers.

Executive Engineer (E)(Vizag)

CONDITIONS FOR SUBSTATION**1. Log book.**

Log books are to be maintained to record the log reading such as current, voltage, operating periods etc. Maintenance register should indicate actual compliance to the schedule item wise. Major repairs or replacements should be recorded in the History book.

Sl.No	Activity	Periodicity
1	Read instruments.(for LT non – residential installations only)	Daily
2	Check system P.F.	Daily
3	Inspect the installation	Monthly
4	Check system loading.	Once
5	Clean fittings and fans	Once
6	Conduct insulation and earth tests.	Once
7	Conduct polarity test.	Once

1. Logging of instruments.

- Instruments may be logged daily in substations and logging, as far as possible may be done in peak loading time, so as to monitor the pattern of loading. Periods of power cuts and shut downs should be indicated in attached substation.
- Logging is needed for voltage (HV /MV/ battery), current (HV / MV/ battery), power (MD), temperature (max), of oil, ambient temperature, and pf (and frequency where frequency meter is already installed).
- Load of each outgoing feeder may be checked by clip on ammeter, Peak seasons, so that redistribution, it any needed among the Feeders.

2. Inspection of equipment rooms and equipment.

- Clean up equipment rooms, remove cobwebs, birds' nests etc., if any. Check that the ventilators are clear exhaust fans and fans are operational. The approach to equipment rooms, and yards in outdoor installations should be clear.
- Wipe out dirt/ dust from external surfaces of equipment's. CAUTION: Never attempt to clean equipment's with exposed (bare) bushing, with supply ON. Periodicity of cleaning such equipment may be increased to once a month or longer as felt in order, so as to avoid frequent switching operations.
- Observe for any abnormal noise, vibration, smell (usually due to overheating), excess temperature etc. If so, investigate the reason immediately. LT bus bar chambers and LT SFU/FSUs and main LT cables (near terminators) may be touched externally to feel any undue heating. Apart from smell, the shine of PVC may reduce due to local heating. Compound may expand and come out of cable boxes due to local heating in compound filled cable terminations. (Usually old installations).
- Check for oil leakage from Transformer radiator/ body bushing / valves.

CONDITIONS FOR DG Set

1. Log books are to be maintained to record the log reading such as current, voltage, operating periods etc. Maintenance register should indicate actual compliance to the schedule item wise. Major repairs or replacements should be recorded in the History book.
2. Specific fuel consumption should be worked out monthly. Result must be recorded in the Log book.
3. If there are major changes in pressure / temperature shall be recorded in Log Book and shall be brought to the notice of Junior Engineer In charge.
4. Operation of DG Set shall be carried as per manufacturer's recommendations.
5. The Operation and maintenance schedule basically covers aspects like keeping dirt off the engines systems, Lubrication, regulating the Fuel, controlling the operating temperature, engine breathing Guard corrosion and vibration etc.
6. The Operation should be carried out, only by competent personnel.
7. The operating / maintenance personnel of engines should not wear loose garments while on duty.
8. Batteries voltage readings are to be recorded in Log Book daily.
9. Daily routine checks.
 - a. Keep the DG set room clean. Wipe out dirt from external surface of engine, generator and control panels.
 - b. Check the level of diesel in daily service tank, lubricant oil in engine crank case, and (in case of water cooled engines) water in Radiator. Fill/ top as necessary.
 - c. Note (i) : Oil should not be above the High level mark on the Dipstick, the check being done start of the engine or after about 20 minutes after stopping of a running Engine.
 - d. Note (ii): Radiator Cap must be properly put in position; else, there can be aeration i.e mixing or air with coolant, resulting in overheating of the Engine.
 - e. Inspect the engine for any leakage of diesel oil, engine (lub) oil, and coolant in the respective systems.
 - f. Check that the selector in control panel is in AUTO mode (in the case of AMF sets.).
 - g. Record the reading of voltage of supply, and engine battery voltage.
10. Weekly Checks:
 - a. Check the automatic starting of engine by switching off (for AMF sets only). Non AMF sets may be started manually and loaded. Run the set on load for 15 minutes. Observe for any abnormality of noise, vibration, bearing surface heating (whether warm), engine pick up, voltage level and frequency.
 - b. Check the level electrolyte in the battery of the engine.
 - c. Check whether all panel lamps, fuses and instruments are healthy.

11. Monthly checks:

- a. Check the condition of drive belts, hose and radiator cap.
- b. Clean the battery terminals and apply grease to prevent corrosion .Check specific gravity of the electrolyte.
- c. Check the exhaust system for leakage, corrosion and vibration. See whether the exhaust smoke is not very dark.

12. Once

- a. Inspect the electrical control panel and starters to see that all powder/ control contacts are the clean, all terminations are sound, and all fuses are intact.
- b. Inspect all cable end terminations, including control cables. Tighten as required

13. Once

- a. Inspect the fuel tank of any sedimentation.
- b. Conduct megger test on all cabling, mains and control wiring motors and earth test. (Earth test is to be done in summer and megger test during monsoon).

14. The work shall be carried out as per CPWD specifications and as per the directions of engineers-in-charge.

15. The agency shall inspect DG set once in a month and when required.

16. All the materials should be got approved by the Engineer - in charge before use.

17. Lub, Oil and servicing materials will be supplied by department as and when required.

18. Emergency complaints shall be attended immediately without anytime delay and other nature of complaints shall be attended within 8 hours.

19. The daily routine checks, weakly checks, monthly checks, once in agreement period shall be attended as per the OEM schedule by operator on duty.

20. The B check of DG set i.e. providing and replacement of spare parts required and servicing as per OEM standards shall be carried out by the OEM / authorized dealer of OEM. All the invoices of the material of the B Check and service reports raised by the authorized service engineer of OEM / authorized distributor of OEM shall be submitted for release of payment towards the item of B Check in item of schedule of quantities.

MAINTENANCE CONTRACT - ENGINE, MAIN ALTERNATOR & AMF PANEL

Contractor Scope Engine:-

Thorough inspection of engine lubrication system, water circulatory system, air intake electrical system.

1. Checking the engine oil level, top up if required.
2. Cleaning the engine with a dry clean cloth.
3. Checking the oil level in the oil bath air cleaner, under very dusty conditions replacing the oil frequently.
4. Checking the Charging alternator / fan belt tension, maintaining the deflection within 8 – 10 mm at the centre (in case of electric start).
5. Checking the total electrical circuit of the engine.
6. Cleaning the Cylinder heads, liners and lube oil cooler fans thoroughly with compressed air. (Blower should be provided by the customer only).
7. Draining the fuel filter bowls to remove sediments and water of required.

8. Checking the battery electrolyte and topping up with distilled water if necessary.
9. Cleaning of battery terminals and applying petroleum jelly.
10. Checking of self starter and charging alternator for proper functioning.
11. Checking and tightening of all external fasteners.
12. Checking and tightening of hose connections.
13. Checking and tightening of all lube and fuel connection.
14. Cleaning the button filter.
15. Change of oil, filters subject to 250 Hours of Completion of engine running of six months whichever is earlier or as per recommendation of OEM of DG set.
16. Cleaning of air filter assembly for every 250 Hours and changing at 600 Hours in case of dry type as per recommendation of OEM of DG set.
17. Replacement of all external rubber parts for every six months or as per recommendation of OEM of DG set.
18. Checking and adjusting of Inlet / Exhaust valve cleaners for every 750 Hours or as per recommendation of OEM of DG set.
19. Thorough cleaning of diesel tank once in one year.
20. Ensure no Oil / Fuel / Water leakages in the engine.
21. Checking of all engine parameters and ensuring trouble free performance.

MAIN ALTERNATOR

1. Checking of main terminals and other wiring for loose connections.
2. Checking of all fasteners for tightness and tighten if required.
3. Checking of bedding / length of carbon brushes, change if necessary.
4. Checking alternator alignment with engine.
5. Checking of any pitting or scoring of Slip ring – Polish in case of wear and tear.
6. Cleaning of the main alternator with electrical blower only in case of excessive dusty conditions and greasing of Bearings if required.

AMF PANEL

1. Checking the operation of AMF Panel for proper functioning in Auto & Manual modes.
2. Checking and conforming of proper functioning of all major components in the panel like timers, relays, main and DG Contractors.
3. Thorough Checking of panel wiring & tightening of all electrical connections.
4. Checking of potential free alarms.
5. Checking of battery charging system for proper functioning.
6. Conducting of Battery electrolyte test.
7. Ensuring proper functioning of battery charging unit.
8. Ensuring good performance of the AMF panel.

SCHEDULED VISITS

Minimum 4 Visits per DG set in 12 month period on manually agreed and convenient dates and break down free.

AMC PERIOD

12 months from the date of commencement of Agreement.

AMC VALUE

Rate quoted shall be for 1 DG Set for 12 month period AMC Amount (inclusive of GST)

TERMS & CONDITIONS

1. The AMF Panel shall be maintained for good operation with the existing components in it & for any further modification of the panel paid extra charges.
2. Any Components found defective shall have to be as actual market rates of authorized service dealer.
3. Any Spares required for Engine, Main Alternator and AMF Panel will be provided as per market rates.
4. Labour for Major and Top overhaul of the engine will be paid extra.
5. Main alternator Overhauling / Rewinding will be paid extra.

TERMS & CONDITIONS

1. The work site is at EPFO Campus, Visakhapatnam.
2. The Scope of the contract includes.
 - (a) Replacement of minor consumables like distilled water, battery acid, cotton waste, grease, nuts, bolts, washers etc.
 - (b) Labour Charges required for minor adjustments, periodical and breakdown visits, replacements of sub units / sub assemble including 'B 'check material (Supplied by the department free of cost). However the service engineer shall intimate the department requirement of spares / 'B 'check material noticed during regular and breakdown visits.
3. During the currency of the work order, DG Set shall be maintained in good working condition, breakdown calls shall be attended within 24 Hours notice.
4. Service Engineer will make 4 visits to check the engine, alternator and panel board in 5 month period. The interval between two successive visits shall not be less than 2.5 months. No advance payment will be made. Also no payments shall be for the month if the DG Set remains out of operation due to breakdown for a period exceeding 15 Days in any calendar month.
5. Service offered under this contract will be in accordance with the original manufactures slandered service instruction practice / directions of the Engineer – In charge.
6. No tools and plant shall be provided by the department.
7. All dismantled materials have to be handed over to the department.
8. Price quoted shall be inclusive of all taxes, duties and GST etc. labour welfare cess 1% will be deducted from the bill.

EXECUTIVE ENGINEER (E)(Vizag)

CONDITIONS FOR OPERATION AND MAINTENANCE OF WET RISER SYSTEM

1. The below given are general guidelines for maintenance and operation of the Wet Riser System, However it is the responsibility of the contractor to operate and maintain the system as per standard guide lines and NBC-2016 code.

All major repairs including rewinding of motors, replacement of Valves, NRVs , Defective pipe lines, Batteries, switch gear etc. are not covered in the scope of this contract. However minor line leakage troubles etc. are to be carried out by the tenderer to make the system in working condition.

2. **OBJECTIVE:-**

1. To keep the entire system fully operational and functional at all times.
2. In case full system cannot be kept functional for unavoidable reason, as much as possible, the installation shall be retained functional by isolating the defective section.

3. **MAINTENANCE REQUIREMENT OF SYSTEM COMPONENTS**

For maintaining firefighting system following points are to be taken care of:-

- a) To ensure availability of water in UG tank and terrace tank all the time and to maintain the tanks in clean condition.
- b) To ensure that the piping system is free from leakage. Any portion found to be leaking is to be isolated, rectified and connected with healthy system in shortest possible time.
- c) To ensure that all pumps are in good running condition. Any pump found to be defective is to be isolated by closing valves and attended immediately and put in to service in minimum time.
- d) All pump glands shall be maintained in efficient working condition and the packing renewed as required to maintain the efficiency.
- e) All working parts shall be kept clean and lightly oiled. Any necessary repairs shall be put in hand and carried out immediately.
- f) To ensure availability of power for electrical pumps, working of starters, switch gear and other electrical components.
- g) To ensure healthiness of diesel engine starting system, battery voltage, battery charger and availability of adequate diesel for engine operation.
- h) To check all landing valves of internal and external hydrants, isolating valves and replace the defective ones whenever necessary
- i) To check automatic operation of entire system by opening landing valves at different locations on daily basis and the shall be recorded in log book .
- j) To conduct fire drill at regular interval.

4. **PERIODICAL TESTING**

Periodical testing and checking the system is essential. Various activities and their duration have been tabulated in below paras.

5. **PROCEDURE**

- i. Though the firefighting system operation is automatic, however for daily checking and attending to the system in case of operation, a trained pump operator shall be available at site during working hours on all days.
- ii. Operation and Maintenance instructions shall be available in the pump room and fire control room.
- iii. Water for firefighting purpose is not to be used for any other purpose. However in order to avoid stagnation, the same shall be changed / cleaned regularly.
- iv. Maintaining Diesel Engine is very important for the system operation since during fire, power supply is deliberately or un-deliberately switched off. Annual Maintenance Contract (AMC) of engine shall be given to the authorized service center of engine manufacturer. Adequate diesel should either be available in the pump house or nearby so that operation is not discontinued for want of diesel.

- v. Hydrant Mains / Ring Mains shall be tested once a fortnight with a pump delivering at its maximum pressure. A running test with two or more hose lines each 30m long operating shall be carried out.
- vi. If any out let is found to be defective and replacement is not easily available the whole assembly should be removed and be replaced by blank off plate so that the system remains operational
- vii. Hose reels shall be subjected to regular inspection to ensure that all valve are functional, out let nozzle not choked. At least once in a year the same shall be subjected to operation to ensure that hose reel is in good condition and that the coupling joints are water tight. Flow should also be checked for the leakage of hose reel.
- viii. All hydrants shall be examined systematically once a week to ensure that valves and spring catches are maintained in good condition.
- ix. Spare washers shall be kept for hydrant valve seats.
- x. Cut-off valves shall be thoroughly overhauled annually to remove sludge and other foreign matter collected in the valve seating.
- xi. All isolating valves shall be checked for operation. The valves in closed position be opened and closed couple of times and the valves in open position be closed and opened couple of times so that when required, the valves perform their function.
- xii. All hose boxes/hose stations shall be inspected externally once every week to ensure that the equipment installed therein is intact. Further, the hose boxes/hose stations shall be cleaned internally and externally once a month.
- xiii. When the hose gets worn out at the tail end of the coupling(s), it is permissible to cut the end(s) of the hose. However should the lengths of the hose after cutting(s) fall below 90 percent of its original, the hose shall be listed and intimated to Department for taking necessary action for replacement.
- xiv. A hose register shall be kept showing Information such as date purchased/taken over for maintenance of present tenderer, date brought into use, date cut (if reduced in length), is useful. Any hose becoming inefficient through use, neglect or from any other cause, shall be shall be listed and intimated to Department for taking necessary action for replacement.
- xv. Fire protection hose shall 'not be used for purposes other than fire protection and drill.
- xvi. Hose pipes and their couplings shall be checked to ensure there is no leakage during their use. The female coupling cam tooth mechanism be operated and lubricated for ensuring ease of operation.
- xvii. Power supply to the pump house is not to be discontinued for any reason. Alternative arrangement shall be made in case any feeding switch gear is under repair / replacement.
- xviii. It has to be ensured that there are no obstructions in front of the hydrants impending accessibility

6. FIRE DRILL

- I. Fire Drills shall be conducted for in accordance with the fire safety plan, at least once every three months.
- II. All occupants of the building shall be asked for participate in the fire drill. However, occupants of the building, other than building service employees are not required to leave the floor or use the exits during the drill.
- III. A written record of such drill shall be kept on the premises and shall be readily available for inspection.
- IV. Local fire service and nodal officer-in-charge of various parts of the building shall be involved in conducting fire drill. Operation of the system shall be demonstrated so that all users are confident of the system and aware of their duties and responsibilities during fire.

7. PERIODICAL TESTING AND MAINTENANCE CHART

S. No.	System Component	Activity	Duration
1.	Water Tanks	(i) Level Check	Daily
		(ii) Cleaning	Once
2.	Pumps	(i) Running	Daily (for min. 5 minutes)
		(ii) Test flow	Annually
		(iii) Lubrication	Quarterly
		iv) Gland packing check	Weekly
		Electrically Driven Pumps:	
		i) Bearing grease cup	Weekly
3.	Engine	(i) Running	Daily (for 5 minutes)
		(ii) Lubrication	Quarterly
		(iii) Battery Status	Weekly
		(iv) Fuel Tank check	Daily
		(v) Servicing	As per engine manufacturer's recommendations.
4.	Motor	(i) Running	Daily
		(ii) Starter contact checking	Weekly
		(iii) Insulation Resistance	Once
5.	Hydrant Mains / Ring Mains	i) Testing	Fortnightly
6.	Piping	(i) Pressure	Daily
		(ii) Flushing	once
7.	Hydrants	examination	Weekly
8.	Valves (Landing, Cut-off and Isolation)	operation and oiling if necessary	Monthly
		Overhauling of all Cut-off valves	Once
9.	Valves (Suction and Delivery)	(i) Examination	Once
10.	Electrical Panels and Control System	(i) Operation	Monthly
		(ii) Connection and system components	Two times
11.	Hose boxes	External Inspection Internal and External cleaning	Weekly Monthly
12.	Hose Reel	(i) Physical check	Monthly

	and Hose Pipes	(ii) Operation check	Once
		(iii) Replacement	Depending upon physical condition.
13.	Fire Brigade Connections / Inlet	(i) Physical check	Monthly.
		(ii) Operation check	Once
14.	Instantaneous Coupling	(i) Physical check	Monthly.
		(ii) Lubrication	Once

EXECUTIVE ENGINEER (E)(Vizag)

CONDITIONS FOR FIRE ALARM SYSTEMS.

1. Log book.
 - a. Proper upkeep of maintenance records is very important. Log books are to be maintained to record the log readings such as pressure, current, voltage, operating (testing), periods etc. Maintenance register should indicate actual compliance to the schedule item wise. Major repairs or replacements should be recorded in the History book.
2. License
 - a. The maintenance activities should be carried out, only by personnel competent for the respective type of activities. The qualification / license requirements as applicable in the station concerned shall be fully satisfied by those engaged. The operating / maintenance personnel of engines should not wear loose garments.
3. Certain periodicities have been indicated in this schedule for various maintenance activities on components like fire detectors, control panels, which are installed in good numbers. In order to achieve compliance to these prescribed periodicities, each of these components may be divided into convenient numbers to carry out the respective activities in sub periods in a cyclic (sequential order). For example, if all control panels are to be cleaned weekly, and there are 10 such panels, 2 panels may be cleaned every day in sequential order so that all the 10 panels will be cleaned once a week. This should be programmed in advance.
4. Every maintenance operation involving operation of sounders in the building should be done after displaying notice in advance to the occupants so as to avoid panic during testing and also to avoid them ignoring the alarm during an actual fire emergency.
5. Associate the representative of client Department / Caretaker, in single occupancy building, periodically when testing the systems, as mutually agreed up to.
6. Daily routine checks.
 - a. Check the FAS system is working or not.
 - b. Check that the Detectors blinking or not.
 - c. Check the alarm systems.
7. Weekly inspection of FAS
 - a. Clean all the control panels, sounders and call boxes.
 - b. While cleaning each panel, verify whether any fault indication lamp is on. If it is on with or without an alarm, investigate and rectify the fault

- c. Check whether all panels lamps are healthy by the “panel lamp test button” in each panel.
 - d. Check that the system operates under mains failure condition by switching of the mains supply to the C & I panel and testing any zone for fault / fire condition from the zonal panel. Confirm also that the audio visual alarm comes up in the C & I panel. Restore mains supply after the test.
 - e. Log all the panel instruments in C & I panel.
 - f. If lead acid type battery is used for FAS system, check the electrolyte level (and top up with distilled water, as required.) and specify gravity.
8. Check on control panel operation.
- a. All Zonal (Sector) panels and C & I Panel should be checked once a month.
 - b. Repeater panels if any should also be checked once a month.
 - c. The check is to confirm operation of the system in each zone through the test button in
 - d. Zonal (sector) panel. The check should confirm initiation of audio visual indication in the
 - e. zonal (sector) panel concerned and in the C & I panel and also relevant sounders.
 - f. Check the talk back system from both ends and also PA system of C & I panel.
 - g. Check the battery condition from the log book reading of voltage. Check the charger if there is any problem. Check battery terminal and replace old petroleum jelly with fresh petroleum jelly to prevent corrosion.
9. Monthly checks on FAS
- a. All fire detectors should be cleaned. Do not blow in heavily into the detector. Use a proper suction device. Never leave a detector base without replacement of the detector. Restore the zonal panel, If it was switched off for this operation.
 - b. Check the satisfactory operation of the system by an artificial fire in a bucket; keep necessary extinguishers with you before this test as abundant precaution.
 - c. Megger test the wiring of FAS.
10. If the Fire Fighting testing is not carried out the recovery shall be as follows
Rs.1000/- per week.

Executive Engineer (E)(Vizag)

Annexure G

LIST OF INSTALLATIONS TO BE MAINTAINED IN GSI, Visakhapatnam.

Sl. No.	Details	Quantity
1	Outdoor Substation comprising of : a) HT Breaker Outdoor-1 No b) 2 Nos. 315 KVA Oil type transformers c) LT Panels d) APFC panel	1 lot
2	Manual Fire alarm system with Main control panels, detectors, Hooters, MCPs	1 lot
3	Fire fighting system (Wet riser) with Diesel engine, Main electric pump, Jockey pump, internal hydrants, RRL, First aid hose reel, Ring and main line pipes etc.	1 lot

Sl.No.	Details	Quantity
1	Light/Fan/Exhaust fan/Call bell points	450
2	5A power plugs	560
3	15A power plugs	100
4	Industrial socket outlet/ AC sockets	64
5	Light Fixtures	280
6	Ceiling Fans/Ex. fans/Wall Fans	140
7	Pump sets: 2No.2HPSubmersibleborewell pump sets	1lot
8	Streetlight & Gate lights	24
9	Fire alarm system	1lot
10	Fire fighting system (Wet-riser)	1lot
11	62.5 KVA DG Set with AMF panel	1 Set

Executive Engineer (E)(Vizag)

SCHEDULE OF WORK

Name of work: MOEI & Fans, Mtce. & operation of sub-station, fire alarm system, wet riser system at Office Building for Employees Provident Fund Organisation (EPFO) campus at Marripalem, Visakhapatnam during 2026-27. SH: Providing Services for Operation and Maintenance of IEI & Fans, Substation, DG set, Fire Fighting with wet riser system and fire alarm system.

S.No	Description	Qty.	Rate	Unit	Amount
	EPFO, Marripalem, Visakhapatnam				
1	Providing Services for Operation and Maintenance of all Electrical and Mechanical Installations, substation, fire fighting with wet riser system and fire alarm system including Day to day attending of Complaints,Break down calls ,Routine maintenance and Preventive maintenance for the enclosed inventory at Office Building for Employees Provident Fund Organisation (EPFO) campus at Marripalem, Visakhapatnam as per additional conditions and specifications for each E&M component and directions of Engineer-in-charge.				
1.1	2 Nos Skilled Persons Excluding Sundays				
1.2	1 Nos Un Skilled Person Excluding Sundays	12	92516.00	Months	1110192.00
2	Payment of Bonus as per payment of bonus act 1965 to the following workers.				
2.1	1 No. unskilled person	1	25077.00	Per Year	25077.00
3	Providing annual maintenance (with out spares and consumables) with periodical maintenance at quarterly intervals, of following capacity DG set through authorized service dealer of KOEL including attending to breakdown calls as and when required.				
3.1	62.5 kVA - 1 No	4	3059.00	Job	12236.00

S.No	Description	Qty.	Rate	Unit	Amount
4	Providing of following B Check materials including servicing for 62.5 KVA Kirloskar Make DG Set installed at EPFO Office, Marripalem, Visakhapatnam .				
	Kirloskar Care Super Genuine Oil 20 Liters Can (Part No. 82.060.10.0.20) - 1 No.				
	PRIMARY ELEMENT (Part.no. 3H.132.01.0.00) - 1 No				
	SECONDARY ELEMENT (Part No.3H.132.02.0.00)-1 No				
	LUBE OIL FILTER ELEMENT (Part No. 06.040.01.0.00) -1 No.				
	Kirloskar Care Genuine Coolant Oil Premix 10 Liter Can (Part No. 82.020.35.1.10) - 1 No.				
	Rust Buster - 1 No. (Part No. 82.060.10.0.92) - 1 No.				
	Cleaning waste - 1 No. (Part No.LPU.OTH.02.0.00) -1 No				
	RADIATOR GENERAL SERVICE CHARGES (Part No.RDA.CHR.01.0.00)-1 No				
	VBELT:A471227 LONG - 1 No.(Part No. 04.140.01.0.00) -1 No.	2	22398.00	Job	44796.00
5	Providing of following B Check materials including servicing for 75HP Kirloskar Make Fire fighting system Diesel Pump installed at EPFO Office, Marripalem, Visakhapatnam .				
	Kirloskar Care Premium Genuine Oil 13 Liters Can (Part No. 82.060.10.0.13) - 1 No.				
	FUEL FILTER KIT 1.1 LTR (Part.no. 48.999.20.0.00) - 1 No				
	SPIN ON FILTER FOR LUBRICATING OIL (Part No.06.436.01.0.SP)-1 No				
	PRIMARY FILTER ELEMENT (Part No. 4H.166.11.0.00) -1 No.				

S.No	Description	Qty.	Rate	Unit	Amount
	Kirloskar Care Genuine Coolant Oil Premix 26 Liter Can (Part No. 82.020.35.1.26) - 1 No.				
	Rust Buster - 1 No. (Part No. 82.060.10.0.92) - 1 No.				
	Cleaning waste - 1 No. (Part No.LPU.OTH.02.0.00) -1 No	1	20178.00	Job	20178.00
6	Filtration of Transformer Oil contained in the following equipments with the help of oil filtration plant to achieve the dielectric strength of 40 KV for I minute i/c submission of test reports i/c hiring of filtration plant & Testing equipments etc. as required.				
6.1	315 KVA Transformer - 2Nos	2	12369.00	Each	24738.00
7	Supplying and topping up of transformer with transformer power oil confirming to IS: 335/1993 with upto date amendment etc to required level as required.	160	265.00	Litres	42400.00
8	Non comprehensive maintenance of fire alarm and fire fighting system complete with checking of all equipments working condition as per inventory attached in this NIT including preventive maintenance, attending to breakdown calls, testing of fire alarm & fire fighting system for ensuring healthy condition of the system and also conducting fire drills twice in a year as per norms etc., as required.	4	28679.00	Per Visit	114716.00
	Supplying and Replacement of the following Defective Electrical accessories i/c dismantling of the old defective spares and hand over to EPFO authorities.				

S.No	Description	Qty.	Rate	Unit	Amount
9	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 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 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).				

S.No	Description	Qty.	Rate	Unit	Amount
9.1	18-22 Watt Powder coated die cast / Extruded aluminium Body (Thickness $\geq$ 1.20 mm)	80	480.00	Each	38400.00
10	LED Down lighter (SMD Type) (System lumen efficacy $\geq$ 105 < 120 lm/Watt) 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 -50C to 400C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F. $\geq$ 0.95, IP20, CRI >80, UGR (Unified Glare Rating) < 19, 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 / 6500°K (As per ANSI Bin), SDCM (Standard Deviation Colour Matching) <3,				

S.No	Description	Qty.	Rate	Unit	Amount
	Maximum power consumption should not more than the specified rating and Fixture shall be confirming to relevant BIS standards. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing Complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, 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 and 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 aluminium housing such that LED junction temperature shall not rise above 90°C) Powder coated die cast /Extruded aluminium Body including trim				
10.1	18 watt	20	743.00	Each	14860.00

S.No	Description	Qty.	Rate	Unit	Amount
11	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 °C (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.				
11.1	1200mm, service value $\geq$ 6.0 CM/Min/Watt, air delivery 210 CM/Min(Minimum)	40	2695.00	Each	107800.00

S.No	Description	Qty.	Rate	Unit	Amount
12	LED Street light fixture, powder coated pressure die cast aluminium body (System lumen efficacy ≥ 105 <120 lm/Watt) Supplying, installation, Testing & Commissioning of Street light LED fixture powder coated pressure die cast aluminium body with driver as per the requirement with Driver efficiency >85%, Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 0C to 50 0C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%, THD < 10% as per IEC 61000-3-2, P. F. ≥ 0.95 , IP-66, IK-10, CRI >70, under voltage and over voltage protection, EMI/EMC As per CISPR -15, lenses for beam angle as per IESNA type I/II/III as per the width of the road and the project requirement., suitable to fit in up to 65mm dia pipe, life time (LED, Driver & electrical circuitry) of minimum 50000 Burning Hours				

S.No	Description	Qty.	Rate	Unit	Amount
	with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K / 6500°K (As per ANSI Bin),SDCM (Standard Deviation ColourMatching) <5, more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, 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 and 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 aluminium housing such that LED junction temperature shall not rise above 90°C)				
12.1	45 watt	10	1234.00	Each	12340.00
13	Supplying, installation, Testing & Commissioning of Flood Light, powder coated pressure die cast aluminum body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage: Input voltage: 140-270 Volt AC, freq 50/60 hz, Operating temp range -5 deg to 50 deg centigrade, internal surge protection of 5 KV L,N,E as per IEC 61000-4- 5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2 , P. F.≥0.95, IP66,IK-10, CRI greater than equal to 70 , under voltage and over voltage protection, EMI-EMC as per CISPR -15 , lenses for beam angle 30 deg-120deg as per the application and the project requirement.,				

S.No	Description	Qty.	Rate	Unit	Amount
	suitable tilt able fitting, life time (LED,Driver & electrical circuitary) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , SDCM(Standard Deviation Color Matching) <5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c connections with 1.5 sq mm FRLS/HFFR, 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 and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-inCharge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C).				
13.1	100 watt	5	2224.00	Each	11120.00
14	Supplying and Replacement of the following Defective Electrical accessories i/c dismantling of the old defective spares.				
14.1	5/6 amps switch Modular	60	52.00	Each	3120.00
14.2	3 pin 5/6 amp socket outlet Modular	30	96.00	Each	2880.00
14.3	15/16 A switch Modular	40	113.00	Each	4520.00
14.4	6 pin 15/16 A socket outlet Modular	30	160.00	Each	4800.00
14.5	2.5 mfd capacitors	50	34.00	Each	1700.00
14.6	6 A, to 32 A, ratings, SP MCB, "C" curve, 10 KA breaking capacity	30	206.00	Each	6180.00
14.7	6 A, to 32 A, ratings, DP MCB, "C" curve, 10 KA breaking capacity	10	658.00	Each	6580.00

S.No	Description	Qty.	Rate	Unit	Amount
14.8	Stepped type Modular Fan regulator (2 module) 100 watt	30	335.00	Each	10050.00
14.9	Modular bell push, ISI marked	10	94.00	Mtr	940.00
14.10	9W LED Bulbs	20	106.00	Each	2120.00
14.11	12 Module Metal Modular Box & Cover Plate	1	414.00	Each	414.00
15	Supply, installation, testing and commissioning of 400 mm (16-inch) ultra-high-speed, 3-blade wall-mounted air circulation fan, with blades manufactured from Polypropylene (PP) / ABS material, having a minimum air delivery of 95 CMM, input power consumption not exceeding 125 W, fitted with a 100% copper-winding motor and Thermal Overload Protection (TOP) to prevent motor overheating. The fan shall be provided with pull-cord operated oscillation, manual neck-tilting control, and all necessary wall-mounting/fixing accessories, supports, fasteners, electrical connections including plug top and other accessories required for a complete and operational installation. The fan shall be suitable for continuous operation and shall be supplied with a minimum 2-year warranty covering manufacturing defects and motor performance.	10	3753.00	Each	37530.00

S.No	Description	Qty.	Rate	Unit	Amount
16	Supplying, installation, testing and commissioning of heavy-duty metal body exhaust fan of 300 mm sweep, 1400 rpm, suitable for operation on 230 V, 50 Hz, single phase AC supply, in the existing wall opening including making necessary electrical connections with suitable size PVC insulated copper conductor wires, providing all accessories such as mounting frames, fixing bolts, clamps, louvers/shutters, etc., and making good the damages to match the existing surface, complete as required.	5	2737.00	Each	13685.00
17	Supply of wireless Call Bell System with remote and 32 different selectable tunes, complete with LED indication for easy identification of the respective call bell when multiple call bells are installed in a group. The system shall include all necessary accessories and shall be suitable for reliable operation.	10	602.00	Each	6020.00
18	Supplying of following size FRLSH PVC insulated & PVC round sheathed multicore bright annealed bare copper conductor flexible cables for voltage grade upto 1100V as per IS 694:2010.				
18.1	3 core x 1.5 sqmm FRLSH Cable	100	107.00	Meter	10700.00
18.2	3 core x 2.5 sqmm FRLSH Cable	100	172.00	Meter	17200.00
19	Supplying of 4 way CRCA sheet steel RAL 9003 powder coated enclosure, suitable for surface or recess mounting, with provision to accommodate 4-pole MCB up to 63 A rating, complete with mounting arrangements, neutral and earth terminals, cable entry provisions and all accessories as required for a complete installation.	10	1028.00	Each	10280.00

S.No	Description	Qty.	Rate	Unit	Amount
20	Supplying and providing IP-65 rated, surface-mounted, weatherproof enclosure/box made of Sheet Moulding Compound (SMC), of size 600 mm × 500 mm × 250 mm, suitable for accommodating the existing DOL starter box, complete with hinged-type door, locking arrangement and all necessary accessories etc., as required, complete in all respects.	3	4248.00	Each	12744.00
	Total Rs.				1730316.00

Assistant Engineer (E)(P)
CPWD, Visakhapatnam

Executive Engineer (E) (Vizag)
CPWD, Visakhapatnam



Central Public Works Department



NIT. No. 38/EE(E)(Vizag)/2026-27

Name of Work: MOEI & Fans, Mtce. & operation of substation, fire alarm system, wet riser system at Office Building for Employees Provident Fund Organization (EPFO) campus at Marripalem, Visakhapatnam during 2026-27. SH: Providing Services for Operation and Maintenance of IEI & Fans , Substation, DG set, Fire Fighting with wet riser system and fire alarm system.

ABSTRACT OF COST

Name of the Contractor					
S.No.	Name of Component	Estimated Cost	Percentage above or below the estimated cost	% in Figures	Total Cost
1	As per schedule of work	Rs. 1730316/-			
	GRAND TOTAL	Rs. 1730316/-			

IMPORTANT NOTE:

1 The tenderer is required to quote a single consolidated Percentage only above/below Estimated Cost to cover all the rates of all the items . This column should not be left blank, otherwise the tender shall be treated as INVALID.

2 The Percentage shall be typed only in figures upto 2 (two) places of decimal along with algebraic sign.

Contractor

Executive Engineer (E)(Vizag)