

PART – A (TECHNICAL BID)
(AS PER REQUIRED FORMAT)

GST & CENTRAL EXCISE

TENDER FOR

**ELECTRICAL WORKS AT MHU
COMPLEX, CHENNAI**

TENDER ISSUED TO : M/s _____

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TENDER TIME SCHEDULE

1	Tender E-publish date	01/12/2021	1700 hrs
2	Document download date	01/12/2021	1700 hrs
3	Start date of seeking clarification	03/12/2021	1000 hrs
4	Last date of seeking clarification	10/12/2021	1700 hrs
5	Bid submission start date	02/12/2021	1700 hrs
6	Bid submission last date	15/12/2021	1700 hrs
7	Tender opening date (Qualifying bid)	16/12/2021	1500 hrs

Criteria for pre-qualification of the tenderers:

1. The firm must have experience in the electrical works for at least 5 years Yes / No.
2. The firm must have completed at least 3 works Costing not less than Rupees Seven lakhs each during the last 5 years. Yes / No
3. Latest Income Tax clearance certificate enclosed Yes / No
4. Documentary evidence for the above enclosed Yes / No

माल और सेवा कर एवं केन्द्रीय उत्पाद शुल्क आयुक्त का कार्यालय
OFFICE OF THE COMMISSIONER OF GST & CENTRAL EXCISE
चेन्नई दक्षिण आयुक्तालय / CHENNAI SOUTH COMMISSIONERATE
692, एमएचयू कॉम्प्लेक्स, नंदनम -600035
692, M.H.U. COMPLEX, NANDANAM, CHENNAI- 600035

C.No. PRO/Electrical Tender/2021-22

Dated: 03.10.2021

NOTICE INVITING E-TENDER FOR ELECTRICAL WORK (2021-22)

The Office of the Commissioner of GST and Central Excise, Chennai South Commissionerate, Chennai-35 invites e-tender quotations for electrical work for Office of the Commissioner of GST and Central Excise, Chennai South Commissionerate. The rates quoted as per bill of quantities,

1. Submission of Tender: (all the documents shall be submitted in Duplicate).
2. The tender duly filled in, signed and sealed
3. The tenderer shall quote their item rates strictly in line with the tender stipulations as conditional tenders are liable for rejection.
4. The Tender shall be valid for a period of 90 days from the last date of submission of the tender.
5. GST & Central Excise is not bound to accept the lowest tender and reserves the right to reject any or all the Tenders in parts or full, without assigning any reason therefor.

Yours faithfully,

For GST & CENTRAL
EXCISE, Chennai South
Commissionerate


Assistant Commissioner

2. Scope of work:

1. The identification of the HV panel, CT ratio adopted, size and type of the cable, direction of flow of current in the HV Breaker panel and primary side cable of 1600/2000KVA transformer should be identified in a permanent manner.
2. The name of the installation of the electrical installation has been changed to "Additional commissioner P&V, Commissionerate & Chairman, Co-owners". Hence you are advised to submit necessary documents and obtain name transfer from this office.
3. Wide Opening is noticed in the wall around the cable tray in MV panel room. The opening around the cable tray crossing the side walls of the MV panel room should be covered by brick wall of 2 hours fire rating.
4. The openings around the Rising main bus duct crossing each floor walls of the MV panel room should be covered by brick wall of hours fire rating.
5. The earth electrodes in the substation yard, transformer Generator etc. are not identified properly. All the earth electrodes should be identified on the inner wall of the respective earth trough.
6. The fire extinguishers are not provided near the Generators. Adequate number of fire extinguishers. Adequate number of the extinguishers suitable for electrical fire and oil fire and fire buckets filled with dry sand should be provided as per norms.
7. All the feeder controls should be identified in all the panels.
8. The cable glands at various locations are not earthed. The same should be earthed.
9. Fire pumps should be worked for atleast 15min each week and the records of the same should be maintained.
10. Danger notice is not affixed in the metallic enclosure of the PDB and LDB. Danger notice should be affixed conspicuously on all the metallic enclosure of the PDB and LDB control panels etc.
11. Metal conduits in the LDBs should be connected to earth.
12. The generators running in the installation are not yet registered. The same should get registered early By submitting from A-1 along with treasury challan in original for Rs.200/- for each generator. Also the tax for the consumption for own use is not yet paid. The tax for the consumption of energy generated by the generator should be calculated monthwise@10 paise/unit should be paid and the original challan together with monthly return in Form-C2 should be sent as stipulated in the section 5 of the Tamil Nadu Tax on consumption of sale of Electricity Act & Rules, 2003.
13. Smoke detectors are not provided in the Electrical panel room and Rising main room. Adequate numbers of smoke detectors should be provided and connect to the Fire alarm circuit. Also the reliability of the smoke detectors should be tested periodically.
14. General defects noticed in all Blocks: (TIIC building, Central Excise and E-Governance etc.
 - a) Rubber mat is not provided in front of Sub Switch boards located at various floors. Rubber mat conforming to IS15652 should be provided in front of all the MCC panels and LT Panels located at all floors.
 - b) Rubber hand gloves are not available in the power room. A new pair of tested rubber hand gloves. A few pair of tested rubber hand gloves should be made available in power room.

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- c) The hinged door of PDB, LDB and UPS, DB at various locations are not earthed. All the hinged doors should be earthed by flexible earthing effectively.
- d) Circuit list is not affixed inside the front cover of the LDBs & UPS DB's. Suitable circuit list with load details, size of the cable, circuit number, rating of MCB/fuse link etc. should be affixed conspicuously inside the front cover of the LDBs & UPS DBs.
15. The following routine maintenance tests are not done. These tests should be carried out and test results entered in a maintenance register.
- | | | |
|---------------------|---|---------------------------------|
| a) Transformer oil | : | Acidity and Dielectric strength |
| b) Earth Electrodes | : | Resistivity |
| c) Relays | : | Reliability and sensitivity |
| d) Hand gloves | : | Dielectric strength |
16. Your kind attention is drawn to Chief Electrical Inspector to Government letter dated 02.08.95 where as it is stated that the temporary permission issued for months in Chief Electrical Inspector to Government letter dated 14.03.95 has lapsed on 14.03.95. The rectification report for the defects communicated is not yet received. Necessary documents should be forwarded for obtaining regular permission from the Chief electrical Inspector to Government.
17. The Rule 63 inspection was conducted on 18.02.95 and 24.01.1996 for lift motor, North wing rising mains, SSB's and cable form SB-1 to SB 2 etc. All the above equipments are not yet regularized and the rectification report also not received. The Rectification report should be submitted for regularization of all the above equipments.
18. The electrical installations in the following floors are not yet approved. The electrical installations occupied by various companies in the floor indicated should prepare the drawings showing the arrangement through EA grade contractor and sent for approval. Necessary drawings should be prepared by incorporating the power and lighting loads of the occupied building and sent for approval.
- Occupant – ELCOT
 - Occupant – Poombuhar Shipping Corporation
 - Occupant – TIIC
 - Occupant – Central Exercercise
 - Occupant – E-Governance
19. The following LT Generators are erected in the installation without obtaining permission from Govt. of Tamil Nadu, Electrical Inspectorate. Necessary drawing/documents should be prepared and forwarded to the above office for approval.
- | | | |
|--|---|-------|
| a. 250 KVA DG in Elcot | - | 1 No. |
| b. 62.5 KVA DG in Server room Central excise | - | 1 No. |
| c. 125KVA DG in Central excise | - | 1 No. |
| d. 160 KVA DG in TIIC | - | 1 No. |

All the defects should get rectified as per the provisions of Regulation 29 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010.

20. The contract has to provide detailed electrical drawing at their own cost.
21. If any additional work, It has to be done as per our scope of work.

INSTRUCTIONS TO TENDERERS

The tenderer shall have sufficient experience in the field of Electrical Work including required technical know how & thorough knowledge of necessary works etc. Tenderer must have his own workshop, required machinery & tools and sufficient manpower.

The tenderer has to submit the latest income tax clearance certificate.

The offer should consist of tender specifying list of works, list of machinery & tools, details of workshop & other facilities available, list of the executed work & works in hand of similar type and general information regarding experience & standing of firm in the market.

The offer shall consist of **tender documents** duly filled & signed.

Offers shall be submitted in CPP portal on or before _____ at ____ PM.

LETTER OF OFFER

To,
The Commissioner,
Office of the Commissioner of GST & Central excise,
Chennai South Commissionerate,
692, MHU Complex, Nandhanam,
Chennai – 36.

Dear Sir,

Sub: **Proposal for electrical work for GST & Central Excise, MHU Complex at Chennai.**

With reference to the tender invited by you for the above work, having visited the site and got acquainted with all the site conditions and having examined the Conditions of Contract, Technical Specifications, Schedule of Quantities and other documents forming part of the tender documents, we offer to undertake and complete the works in conformity with the said drawings, conditions of contract, specification, schedule and bill of quantities and other documents as mentioned above for the sum stated in bill of quantities included in this Tender Document or such other sum as may be ascertained in accordance with the said conditions of contract by the Employer.

I/We undertake to complete the entire works comprised in the Contract within the time stated in the tender.

I/We agree to keep the offer open for a period of 120 days from the date fixed for receiving; the same may be further extended on request before the expiry of the stipulated period by 120 days.

Unless and until a formal agreement is prepared and executed, this tender together with your written acceptance thereof shall constitute a binding contract between us for the due performance of the Contract.

I/We understand that you are not bound to accept the lowest or any other tender you may receive.

I/We send you herewith tender duly filled and hereby agree to pay all charges of whatever nature connected with preparation, stamping and execution of the said contract.

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I/We, further agree to pay initial Security Deposit (ISD) of 5% of the contract value of Rs. _____(inclusive of Earnest Money of Rs. _____Thousand) within 4 days if our tender is accepted.

I/We, further agree to the deduction of 10% (Ten Percent) from interim payments as Retention Money (Including EMD & ISD)subject to a limit as specified in the Salient Features of the Contract.

I/We, have agreed to execute the entire work without disturbing the normal functioning of the Branch of the Employer and without causing any unreasonable nuisance to the Employees and customers of the Firm.

Date thisday of 2021

Signature

In the capacity as Partner / Proprietor/ Director duly authorized to sign tenders for and on

behalf of

Witness

Address of

Name

Tenderer

Occupation

Name of the Partners of the Firm or Directors

Names / of Bank/s in which the
Tenderers maintain Accounts.

SPECIAL CONDITIONS OF THE CONTRACT

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1. The quality of all material required to complete the job shall be got approved well in advance before the execution from the buyer, and to maintain the same approved quality shall be entirely contractor's responsibility in all respect such as uniformity of product, approved standards of products etc. and the contractor shall furnish the Consultant with voucher/bills on request to prove that the materials are as specified from time to time.
2. Quoted rates shall be inclusive of all leads, lifts, scaffoldings, jute screen, fence proper coverings, cleaning of entire areas etc.
3. Reconciliation of every items supplied by the clients shall be submitted periodically by the contractor and upon finalization any exercise wastage then the permissible shall be deducted by the buyer.
4. The contractor shall ensure the other utility/items/area are not damaged or disturbed due to his work viz. electrical switch plates, door shutters, flooring etc.
5. The contractor shall strictly follow the buyer's schedule of patterns, finishes, level, amenities etc. in all respect and shall prepare mock-up well in advance before the execution.
6. All these special conditions shall be read in conjunction with the general conditions of the contract.
7. The entire work with respect to various material and workmanship shall be strictly executed as per the corresponding relevant latest I. S. Codes.
8. No escalation of whatsoever nature will be entertained for the rates under any circumstances.
9. Time is the essence of the contract and hence shall be strictly followed with respect to the detailed bar chart to be submitted by the contractor.
10. The quantities in the B.O.Q. are tentative, however the payments to the contractor will be made based on the actual measurements scrutinized at site. In case of any plus or minus variation in the quantities no separate claim of whatsoever nature will be entertained.

11. The buye reserves the right to add/amend/delete any items of work from the contract as per the requirement of the project.
 12. The contractor shall work cordially with the other working agencies at site and shall extended full cooperation of every nature to yield better result at work.
 13. Full time competent supervisors at site shall be deputed by the contractor and he shall strictly observe the terms and conditions of the contract and he shall coordinate with the consultant regularly, however in case of every event the contractor will be solely responsible.
 14. The contractor will be solely and only responsible for all types of safety at site with respect to the scaffolding proposed to be used, tools, equipments, labour etc.
 15. The contractor shall handle all material very carefully without causing any kind of disturbance at site.
 16. The necessary temporary storage facilities on site will be provided in the specified areas. All material stores on the site shall be stacked in such manner as to facilitate rapid and easy checking. The contractor shall take written permission of the consultant for removing any tools, materials, scaffolding etc. from the site. all such store shall be cleared away and the site to be left in good order on completion of the contract.
 17. place of work of environment, specially where work is to be carried out, shall be well protected such as windows, glasses pipes etc. all such items and surrounding shall be cleared at the end of the day to the end of the day to the entire satisfaction of the buyer.
 18. The contractor shall take all necessary steps at his own expense to protect all work from the effects of inclement weather.
 19. The measurement of all items shall be as per the latest version I.S.1200.
 20. In case of any ambiguity or dispute arising on Technical matters the buyer"s decision shall be final and biding upon the entire contractor without any further appeal.
 21. Contactor to observe and maintain all safety standards as per the factory act and welfare rules.
 22. All the materials and workmanship shall match the best standards and perfection.
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GENERAL TERMS & CONDITIONS

1. The buyer reserves all rights to accept or reject any or all tenders without assigning any reason thereof.
2. Each page of the tender is required to be signed by the contractor.
3. Tenderer must obtain all the information which is necessary for filling the tender on his own responsibilities and expenses and must inspect the site of work and acquaint himself with all conditions and matter related to the design details & work.
4. The rate quoted in the tender shall include all charges of scaffolding, tools, plant, GST and any other taxes or expenditure for carrying out the work.
5. The buyer shall deduct the income tax at source from the certified amount of final bill as per government directives.
6. The rates quoted are item rate quotation and their quantities are approximate. The buyer can add / delete any items of work or change the quantity if necessary.
7. Defect liability period shall be as mentioned after completion of work. If any defects are found in any item (Quality & workmanship) of work, the contractor is bound to rectify the same at his own cost to the best of satisfaction of buyer.
8. All the materials to be used shall be as per the specification, and shall be approved by the buyer before use. No claims whatsoever would be considered for using any unapproved material.
9. Tenderer shall have to work in close co-ordination with other contractors & buyer time schedule has to be decided in consultation with them for the currency branch.
10. The measurement of work (ceiling, flooring etc.) shall be as per actual & not on the quantity of materials used etc.
11. The tenderer should write the total amount in figures as well as in words.
12. The buyer has right to terminate the contract, if the contractor abandons the work or fails to commence & complete the work in time or fails to abide by the work contract conditions.
13. The contractor shall be responsible for application of labor laws, compensation for injury and accident to person, whether employed by him or by his sub-contractor.
14. The rates of non-tendered item will be decided, based on rate-analysis submitted by the contractor & based on the prevailing market rates. The contractor has to carry out such works, which are found essential during the execution of work.
15. The contractor has to carry out the approved work only. Any extra work if required shall be carried out only after prior permission from the client.
16. The work should be so carried out that the regular working of the branch is not much disturbed. The contractor should arrange their working hours accordingly.
17. Tender must be submitted in CPP Portal.
18. The contractor shall remove wastage & unwanted material, clean the site & hand over the site in proper manner on completion of work.

Signature of the tenderer

GST & CENTRAL EXCISE

**TENDER
FORELECTRICAL WORKS AT
MHU COMPLEX, CHENNAI**

PRICE BID

BILL OF QUANTITIES

S.No	DESCRIPTION OF WORK	QTY	UNIT	RATE
1	HV panel CT ratio adopted marking			
2	Charges for getting name transfer from CEIG approval			
3	MV panel side wall brick work for closing of trench			
4	Rising main bus bar duct covering			
5	Earth electrode identification and measure in sub station yard, transformer and generator.			
6	Fire extinguisher near generator			
7	All panel feeder control identified			
8	Cable gland earthing			
9	Fire pump routine checkup record			
10	Danger notice board in PDB and LDB			
11	Metal conduit should connected to earth			
12	Smoke detector in electrical panel and rising main bus bar through circuit.			
13	Rubber mat switch board (2.0mx1.0m)			
14	Rubber hand glove in electrical room			
15	PDB, LDB, UPS DB should be earthed			
16	Circuit list should be mentioned in DB's			
17	Transformer oil Test result maintained maintenance register			
18	Electrical supervisor appointment			
19	Lift motor, north wing, rising main SSB cable rectification report			
20	Preparation of electrical drawings for Site at : Central commissionerate - II (1x250KVA, 1x160KVA, 1x125KVA, 1x82.5KVA DG&MV addition/Alterations)			
21	Necessary drawing approval from CEIG office for the above drawings			
22	Getting safety certificate from CEIG department with necessary coordinates work			

In words: Rupees_____

Signature & seal of the tenderer

MATERIAL SPECIFICATION FOR ELECTRICAL**WORKS**

1.MS CHECKED PLATE - TATA, JSW

2.SMOKE DETECTOR - SIEMENS