

BRIHANMUMBAI MUNICIPAL CORPORATION

(Hydraulic Engineer's Department)

Draft Quotation



Name of Work : “Supply, Installation, Testing & Commissioning of Earth Pits & other electrical works in the premises of M-III A Pumping Station, Panjrapur.”.

Quotation ID : 2025_MCGM_1248590_1

Website <http://portal.mcgm.gov.in/tenders>
<http://mahatenders.gov.in>

Office of the: Executive Engineer (M&E)/ M-III A Panjrapur ,
Administrative Building, 2nd Floor,
Water Treatment Plant, Panjrapur,
Post : Vadpa, Taluka :Bhiwandi, District :Thane,
Pin Code No.421302, Phone No. 02522 309004
Email :- eemne3atpppc.he@mcgm.gov.in

Prepared by	Checked by	Verified by	Approved By
sd/-	sd/-	sd/-	sd/-
SE (P/S)M-III A Panj	AE (P/S)M-III A Panj	EE (M&E) M-III A PP	Dy.HE(M&E) M-III A PP

BRIHANMUMBAI MUNICIPAL CORPORATION

No. Dy.H.E.(M&E) / 524 /PP, Dated: 06.11.2025

E-QUOTATION NOTICE

Subject: Supply, Installation, Testing & Commissioning of Earth Pits & other electrical works in the premises of M-III A Pumping Station, Panjrapur.

The BRIHANMUMBAI MUNICIPAL CORPORATION (BMC) invites e-QUOTATION on "Percentage Rate" basis in Packet 'A', and 'B' system for the aforementioned work from the quotationer which are reputed, multidisciplinary engineering organizations i.e. eminent firm, Proprietary/ Partnership Firms/ Private Limited Companies/ Public Limited Companies/ Companies.

Bidding Process will comprise of TWO stages.

The application form can be downloaded from e-procurement system of Government of Maharashtra (Mahatenders) (<https://mahatenders.gov.in>). The applicants not registered with BMC are mandated to get registered (Vendor Registration) with BMC for e-tendering process & also with Mahatenders & obtain login credentials to participate in the online bidding process. (The application form for BMC vendor registration can be downloaded from BMC's portal (<https://portal.mcgm.gov.in>) on payment of Rs.1000+18% GST.

- i. To download the application form, for those applicants not having vendor registration, need to apply first for vendor registration at the office of Chief Account (CPD), Byculla Bakariadda, Mumbai (**Note- Online vendor registration is available on BMC's portal <http://portal.mcgm.gov.in>**)
- ii. Followed by Mahatenders login ID and password to be obtained from Mahatender portal <https://mahatenders.gov.in>
- iii. For e-Tendering registration, enrollment for digital signature certificates and user manual, please refer to respective links provided in 'Tenders' tab. Vendors can get digital signature from any one of the Certifying Authorities (CA's) licensed by controller of certifying authorities namely, Safescrypt, IDRBT, National informatics center, TCS, CUSTOMS, MTNL, GNFC and e- Mudhra CA.

Name and location of work	Contract period	Estimated Cost of Project
Supply, Installation, Testing & Commissioning of Earth Pits & other electrical works in the premises of M-III A Pumping Station, Panjrapur.	02 Month	Rs.2,16,818.00

While submitting duly filled quotation document on mahatenders, quotationers needs to pay total EMD amounting to Rs.2,200/- online through <https://mahatenders.gov.in>. EMD is refundable in accordance to the relevant clause of quotation document, except in the case of the selected quotationer who's Bid Security/EMD shall be retained. The quotationers will have to provide Earnest Money Deposit through the payment gateways of GoM on URL <https://mahatenders.gov.in>. The bidder shall upload scan copy of online paid EMD along with the bid submission in packet 'A'. Any bid not accompanied by an acceptable BID security shall be rejected and quotationers shall be treated as NON RESPONSIVE. The quotation is available on e-Procurement System of Government of Maharashtra (Mahatenders) <https://mahatenders.gov.in> as mentioned in the Header Data of the quotation.

As per TWO Packet systems, the document for Packet A & B is to be uploaded by the quotationer in vendors document online in Packet A (fee / pre qualification cover) & Packet B (Finance cover). Packet A & B shall be opened on dates as mentioned in header data. All the responsive and eligible quotationers if they so wish can be present at the time of opening of quotations, in the office of Dy. Hydraulic Engineer, MIIIA, Pise Panjrapur Complex. The Packet B shall be opened if documents submitted in Packet A satisfies/includes all the requirements and same are found acceptable by the Authority.

The Municipal Commissioner reserves the right to reject all or any of the quotation(s) without assigning any reasons at any stage.

The dates and time for submission and opening the quotations are as shown in the Header Data. If there are any changes in the dates the same will be displayed on the BMC Portal. (<http://portal.mcgm.gov.in>) as well as mahatenders.gov.in. The Applicants interested for the above referred works may contact the Dy.Hydraulic Engineer (M&E) M-3 A, Pise Panjrapur at the following address on any working day during office hours.

Office of:	Executive Engineer (M&E) M-3A, Pise Panjrapur Administrative Building, 2 nd Floor, Water Treatment Plant, Panjrapur, Post : Vadpa, Taluka :Bhiwandi, District :Thane, Pin Code No.421302 Phone No. 02522 309004 Email :- eemne3apjppc.he@mcgm.gov.in
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The applicants may wish to visit the site under reference located at **Panjrapur Water Treatment Plant, Post: Vadpa, Taluka: Bhiwandi, District: Thane. PIN -421302** and can collect the information of the present status from the department who has invited the bids. The BMC reserves the rights to accept any of the application or reject any or all the application received for above works, without assigning any reasons thereof. The information regarding above subject matter is available on e-Tendering website <https://mahatenders.gov.in>.

Quotationers are also advised to refer "Bidders Manual Kit" available at <https://mahatenders.gov.in/nicgep/app?page=BiddersManualKit&service=page> for further details about the e-tendering process. For any help, in the e-quotation process, can be availed by dialing help-desk number 022- 22046934/22837339 from 11.30 AM to 5.00 PM on all working days. Email: supporteproc@nic.in

SPECIAL NOTE : Quotationers are requested to go through the e- tender guidelines on nic portal (<https://mahatenders.gov.in>). For registration, enrolment for digital signature certificate & user manual, please refer to respective links provided in etendering tab. The vendors can get digital signature from any one of the Certifying Authorities (CA's) licensed by the Controller of Certifying Authorities namely Safes crypt, IDRBT, National Informatics Centre, TCS, Customs, MTNL, GNFC and e- Mudhra.

Sd/-
Executive Engineer (M&E)
M-3 A, Pise Panjrapur

HEADER DATA

Quotation Document No.	2025_MCGM_1248590_1
Name of Organization	BRIHANMUMBAI MUNICIPAL CORPORATION
Subject	Supply, Installation, Testing & Commissioning of Earth Pits & other electrical works in the premises of M-III A Pumping Station, Panjrapur.
Tender / Quotation Fee	Rs. 363/- (+18 % GST) (As per note below)
Quotation Security Deposit/ EMD	Rs. 2,200/- (E.M.D. Pay online)
Date of issue and sale of quotation	<u>21.11.2025</u> from 11:00 Hrs
Last date & time for sale of quotation	<u>04.12.2025</u> upto 16:00 Hrs
Submission of Packet A & Packet B (Online) & (Receipt of EMD)	<u>04.12.2025</u> upto 16:00 Hrs
Opening of Packet A (Fee/ Pre-Qua Cover)	<u>05.12.2025</u> after 16:00 Hrs
Opening of Packet B (Finance cover)	<u>12.12.2025</u> after 03.00 Hrs
Address for communication	Executive Engineer (M&E) M-3A, P.P. Administrative Building, 2 nd Floor, Water Treatment Plant, Panjrapur, Post : Vadpa, Taluka :Bhiwandi, District :Thane, Pin Code No.421302 Email :- eemne3apjppc.he@mcmgm.gov.in
Venue for opening of Quotation	On line in Dy.H.E. (M&E)M-III A's office.
Note :As per Circular no. CA/FRG/17 dtd. 17.03.2025, all the quotationers shall have to pay the Tender/Quotation fee with GST from the tenderer through online payment gateway before downloading the tender document.	

This quotation document is not transferable.

The BMC reserves the rights to accept any of the application or reject any or all the application received for above subject without assigning any reason thereof.

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Executive Engineer (M&E)
M-3 A, Pise Panjrapur

BRIHANMUMBAI MUNICIPAL CORPORATION

(Hydraulic Engineer's Department)

E-quotations are invited for the Sub - "Supply, Installation, Testing & Commissioning of Earth Pits & other electrical works in the premises of M-III A Pumping Station, Panjrapur". as per attached terms and conditions, specifications & schedule of quantity etc.

1. The forms of quotation documents are available on the e-Tendering website **<https://mahatenders.gov.in>**. The proposed quotationers shall have to download quotation form, from the website mentioned above. The quotationer has to fill in online format and upload information regarding quotation online. Also, he has to download the quotation application form website, fill it and upload the scanned copy of duly filled form, along with required documents.
2. For purchasing the quotation documents, the quotationers shall have to get registered with **e- tender portal (<https://mahatenders.gov.in>)** for the e-tendering process and obtain login credentials to participate in the online e-quotation process. The details of the same are available on <https://mahatenders.gov.in>. For registration, enrollment for digital signature certificates and user manual, please refer to respective links provided in e-tendering tab on <https://mahatenders.gov.in>. The quotationer shall upload all the pages of the documents and on every relevant information / certificates / literatures etc., enclosed in packet 'A' & offer price in packet 'B'.
3. The quotationers interested for the above referred works may contact the Executive Engineer (M&E) Pise Panjrapur at the following address on any working day during office hours.

Office of : Executive Engineer (M&E) M3A PP

Administrative Building, 2nd Floor,

Water Treatment Plant, Panjrapur,

Post : Vadpa, Taluka : Bhiwandi, District : Thane,

Pin Code No. 421302 Phone No. 02522 309001

Email :- eemne3apjppc.he@mcgm.gov.in

4. The quotationer has to pay Quotation **Fee of Rs.363/- (9% CGST+ 9% SGST)** (As per Circular no. CA/FRG/17 dtd. 17.03.2025, all the quotationers shall have to pay the Tender/Quotation fee with GST through online payment gateway before downloading the quotation document. The copy of the

Tender / Quotation Fee paid receipt shall be submitted in the above office address.

5. While submitting duly filled quotation document through <https://mahatenders.gov.in>, the quotationer shall pay 100% of EMD/Bid security through payment gateways of GOM on URL <https://mahatenders.gov.in>. The quotationers shall upload the screenshot of receipt of online payment (i.e. 100% EMD) along with the bid submission.
6. The Quotation shall be outrightly rejected if it is not accompanied by the Earnest Money Deposit in the both forms as mentioned above.

7. Post-Qualifying Criteria (Eligibility):

7.1 Technical Capacity (For Routine Work)

The Quotationer(s) in their own name should have satisfactorily executed the work of any M&E work in BMC /Semi Govt. /Govt. & Public Sector Organizations during last seven (7) years ending last day of month previous to the one in which bids are invited as a prime Contractor (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied

a) **Three similar completed works each** of value not less than the value equal to **Rs. 65,045.40**

OR

b) **Two similar completed works each** of value not less than the value equal to **Rs. 75,886.30**

OR

c) **One similar completed work** of value not less than the **Rs. 1,08,409.00**

The value of completed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10 % per annum; calculated from the date of completion to last date of receipt of applications for Quotation.

7.2 Financial Capacity

Achieved an average annual financial turnover as certified by 'Chartered Accountant' ~~(in all classes of civil engineering construction works only)~~ shall be **Rs. 65,045.40** during **last three (3) financial years** immediately preceding the Financial Year (i.e. F.Y. 2021-22, 2022-23, 2023-24) in which bids are invited.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10 % per annum; calculated from the date of completion to last date of receipt of applications for tenders.

7.3 Similar Experience:

For assessing the technical capacity of similar nature of works means The Quotationer shall have satisfactorily executed the work of **S.I.T.C. of Earthing Pits OR S.I.T.C. of HT cables rating 3.5/4C 240 sq.mm. And above** in MCGM / Semi Govt. / Govt., Pvt. / Public Sector organizations.

Documentary evidence shall be submitted along with the quotation failing which the quotation shall be treated as non-responsive

- a) The quotationer shall upload all the pages of the documents and every relevant information / certificates / literature etc., enclosed in packet 'A' & offer price in packet 'B'. The mandatory documents prescribed in notice shall be filled in completely otherwise they shall be out-rightly rejected and 10 % EMD shall be forfeited.
- b) The mandatory documents are as under.

The Packet "A" shall contain scanned certified copies of the following documents, upload with quotation documents.

1. The printed undertaking in draft quotation addressed to the Municipal Commissioner. (**Undertaking-I**)
2. The specifications / data sheet
3. Information form (**Undertaking-II**) (Name and the address of all the partners shall be given in the space provided thereof).
4. The copy of the **Pan card along with the photograph** shall be provided.
5. A document in support of **Registration under GST Act 2017**.
6. Partnership Deed / Registered power of attorney and any other documents.
7. Scan Copy of 100% online EMD receipt.
8. ASD if applicable.
9. Adequate submission of documents as per **technical & financial criteria** as per PQC.
10. The undertaking on Rs.200/- stamp paper proforma for **Best price** duly notarized.
11. Undertaking cum **Indemnity Bond** (on Rs.500/- stamp paper).
12. **EPF & MP Act** and **ESIC Act** on Rs.200/- stamp paper each.
13. Irrevocable Undertaking (on Rs.500/- Stamp Paper notarized)

- **Curable Defect shall mean shortfalls in submission such as:**

A) Non-submission of following documents,

- i. Goods & Service Tax Registration Certificate (GST)**
- ii. Certified Copies of PAN documents and photographs of individuals, owners, etc**
- iii. Partnership Deed and any other documents**
- iv. Undertakings as mentioned in the quotation document.**

- **Non-curable Defect shall mean**

- i. In-adequate submission of EMD / ASD amount,**
- ii. In-adequacy of submission of documentary evidence of technical and financial capacity with respect to Eligibility criteria as stipulated in the quotation.**

Maximum 5 shortfalls of curable defects shall be allowed and in case, curable defects are not complied by a quotationer within given time period, the quotationer shall be treated as 'NON-RESPONSIVE' and such cases will be informed to Registration and Monitoring Cell. Such non-submission of documents will be considered as 'Intentional Avoidance' and if three or more cases in 12 months are reported, shall be viewed seriously and disciplinary action against the defaulters such as banning / de-registration, etc. shall be taken by the registration cell with due approval of the concerned AMC.

Note: No communication will be made with the quotation in case of non-curable defects.

- c) Quotationers are expected to fill their quotations documents carefully and scrutinize them before uploading them on website stated above. No verification on any ground such as mistake or misunderstanding will be allowed after the quotation is opened, recommended or accepted.**
- d) On opening of quotation, if it is found that quotationer has not submitted the required curable documents, then the quotationer shall be intimated through e-mail only and compliance required to be made within stipulated time period of three working days otherwise their offer shall be out-rightly rejected.**

- e) **Taxes:** The quotationer shall quote the rates inclusive of all taxes other than GST (Excluding GST), Levies, Duties, Cess etc. as applicable at the time of bid submission. GST as applicable shall be paid separately on submission of bills/invoice. Input Tax credit of GST as available with the quotationer will not be claim separately by BMC. However, while quoting the rates benefit of input Tax credit or Exemption shall be passed on to the BMC by way of equivalent reduction in quoted price Rates accepted by BMC. BMC shall hold good till completion of work and no additional individual claim shall be admissible on account of fluctuations in market rates; increase in taxes / any other levies / tolls etc. except that payment / recovery for overall market situation shall be made as per Price Variation. The quotationer shall quote the cost showing all applicable SGST, CGST, IGST & Other taxes if any, on various items.

Chapter XXI- Miscellaneous, section 171(1) of GST Act 2017 governs the 'Anti Profiteering Measure' (APM) As per provision of this section, any reduction in rate of tax on any supply of goods or services or benefit of input tax credit shall be passed on to the recipient by way of commensurate reduction in prices. Accordingly, the contractor should pass on the complete benefit accruing to him on account of reduced tax rate or additional input tax credit, to BMC. Further all provisions of GST Act will be applicable to the quotationer.

- f) **Period of delivery / work completion** shall be **02 Month** ~~(Including/Excluding Monsoon)~~ from the date of receipt of work order.
- g) Every quotation shall remain open for acceptance for **180 days** from the date of opening of the quotation. As some minimum period for evaluating the various samples and obtaining approval of competent authority is necessary. Quotations specifying the validity less than **180 days** shall be rejected out rightly.
- h) The quotationer shall not withdraw his offer within the validity period. If he does so, the earnest money deposit paid will be forfeited.
- i) The Municipal Commissioner does not bind himself to accept the lowest or any quotation and reserves the right to select one or more items of the quotation and the quotationer will be required to supply any item or items so selected at the rates quoted.
- j) **Guarantee:** The successful quotationer shall give a guarantee for 36 calendar months from the date of supply / commissioning or completion of the work for

any manufacturing defects or faulty workmanship on BMC prescribed "Maintenance Guarantee" form affixed with Rs. 100/- adhesive stamp / franking. If any defect is noticed within the guarantee period and intimated to the contractors, the same shall be rectified free of cost. Prescribed maintenance guarantee forms are obtainable from the office of the Chief Accountant, BRIHANMUMBAI MUNICIPAL CORPORATION, Head Office, Mahanagarpalika Marg, Mumbai – 400 001.

- k) **Terms of Payment:** As per Municipal procedure, the payment for work done shall be made within 30 days from the receipt of the bill subject to verification as per normal rules. In case of supply of article/s the payments shall be made within 30 days from the receipt of the bill subject to satisfactory test/approval of the article/s including its installation, if any.
- l) Intending quotationers are informed that the payment of bills and other claims arising out of the contract shall be made in the name of the bank by ECS only. The quotationer, therefore, shall have to upload the information as regards the name and complete address of their bank, its branch and their A/C No. etc. along with the quotation documents. They shall also have to submit fresh information when there is any change in this regard.
- m) **Income Tax:** The contractor shall pay Indian Income Tax on all payment made to him under the contract, other than reimbursement made to him by the corporation to cover payment by the contractor of minor custom dues etc. or any other payment which the contractor may make on the Corporations behalf. Under the provision of section 194 C of the Income Tax Act. The corporation is required to deduct tax from the source. Under present legislation, will deduct as **Tax 2%** of the gross amount of each bill submitted. Any expatriate site staff not normally residents of India, employed by the contractors shall pay personal Income Tax on all money earned and paid in India.
- n) As per Government of Maharashtra notification, **1 % CGST TDS** and **1% SGST TDS** is applicable wherein the contract sum exceeds **Rs.2,50,000/-** exclusive of tax & cess as per the invoice.
- o) **Penalty:** If the Contractor fails to complete the works and clear the site on or before the Contract or extended date(s) / period(s) of completion, he shall, without prejudice to any other right or remedy of Municipal Corporation on account of such breach, pay as agreed compensation, amount calculated as stipulated below (or such smaller amount as may be fixed by the Engineer) on

the contract value of the whole work or on the contract value of the time or group of items of work for which separate period of completion are given in the contract and of which completion is delayed for every week that the whole of the work of item or group of items of work concerned remains uncompleted, even though the contract as a whole be completed by the contract or the extended date of completion. For this purpose the term 'Contract Value' shall be the value of the work at Contract Rates as ordered including the value of all deviations ordered:

a) Completion period for projects (originally stipulated or as extended) not exceeding 6 months: **to the extent of maximum 1 percent per week.**

b) Completion period for projects (originally stipulated or as extended) exceeding 6 months and not exceeding 2 years: **to the extent of maximum ½ percent per week.**

c) Completion period for projects (originally stipulated or as extended) exceeding 2 years: **to the extent of maximum ¼ percent per week.**

When the delay is not a full week or in multiple of a week but involves a fraction of a week the compensation payable for that fraction shall be proportional to the number of days involved. Provided always that the total amount of compensation for delay to be paid this condition shall not exceed the under noted percentage of the Contract Value of the item or group of items of work for which a separate period of completion is given.

i. Completion period (as originally stipulated or as extended) not exceeding 6 months: **10 percent.**

ii. Completion period (as originally stipulated or as extended) exceeding 6 months and not exceeding 2 years: **7½ percent.**

iii. Completion period (as originally stipulated or as extended) exceeding 2 years: **5 percent.**

The amount of compensation may be adjusted set off against any sum payable to the contractor under this or any other contract with the Municipal Corporation.

p) All quotationers must state the **names and addresses of all the partners** in the space provided for, in the papers. Any quotationer failing to do so, will render himself liable to have his deposit forfeited, and the contract, if entered into, canceled at any time during its currency.

q) If it is found that two or more persons who are connected with one another either financially or as principal and agent or master and servant, have quoted separately under different names for the same contract without disclosing

connection, the same will be rejected, and the deposit will be forfeited. Any contract entered into such conditions will also be canceled at any stage and time during its currency.

- r) The firms with common Proprietor / Partner or connected with one another either financially or as principal and agent or as master and servant or with proprietor / partners closely related to each other such as husband, wife, father / mother and minor son / daughter and brother / sister shall not quote separately under different name for the same contract.
- s) If it is found that firms as described above have quoted separately under different names for the same contract, all such quotationer (s) shall stand rejected and EMD of each such firm / establishment shall be forfeited. In addition, such firms / establishments shall be liable at the discretion of the Municipal Commissioner, for further penal action including blacklisting.
- t) If it is found that closely related persons as described above have submitted separate quotation under different names of firms / establishment but with common address for such establishments / firms and or if such establishment / firms though they have different addresses are managed by or governed by the same person / persons jointly or separately such quotationers shall be liable for action as in above clause, including similar action against the firms / establishments concerned.
- u) If after award of contract, it is found that the accepted violated any of the clauses (17 to 20) the contract shall be liable for cancellation at any time during its currency in addition to penal action against the contractors as well as related firms / establishments.
- v) In the case of Joint Stock Company, the contract must be sealed with the seal of the Company in the presence of and signed by two Directors or by a person duly authorized to sign the contract for the company authorized by a Power of Attorney, such power of attorney being sealed and signed as aforesaid. All such Power of Attorneys must be registered in the Municipal Head Office to CA(WSSD) section as aforesaid.
- w) Postponement of the payment of the full security deposit or the execution of the contract will not be permitted by the reason of the Brihanmumbai Municipal Corporation having in possession, other deposits on account of other's or

contracts, which deposits may be or become returnable to the quotationers and which they may wish to transfer as a security deposit under this contract. Such transfer will not under any circumstances be permitted.

- x) The contractor shall not be liable for any liquidated damages for delay or for failure to perform the contract for reasons of force measure such as acts of God, acts of the public enemy, acts of Government firms, floods, epidemics, guaranteeing restriction, strike, freight embargoes and provided that the contractor shall inform within 10 days from the beginning of such delay, notify the purchaser in writing of the case of delay. The purchaser will verify the facts and grant such extensions as facts justify.
- y) The Earnest money deposit will be refunded, if the quotation is not accepted by the competent authority. In case of successful quotationers, this EMD deposit will be refunded after payment of security deposit and submission of documents required for execution of contract.
- z) Quotations containing contradictory onerous and vague stipulations and heading conditions such as 'Subject to prior sale' "offer subject to availability of stock", "Offer subject to confirmation at the time of order", "Rates subject to Market Fluctuations" etc., are liable to be rejected out rightly.
- aa) The quotationers shall have to make their own arrangements to secure Import License and or release of controlled or scarce raw materials or parts if required by them for fulfillment of their contract. The Municipal Commissioner shall not be found to give any assistance to the quotationers in that behalf.
- bb) **Jurisdiction of Court:** In case of any claim, dispute or difference arising out of any terms and conditions of the contract, the Cause of Action thereof shall be deemed to have arisen in Mumbai & all legal proceedings in respect of any such claim, dispute or difference shall be instituted in a competent court in the City of Mumbai only.
- cc) Contractors' attention is drawn to provisions of Maharashtra Contract Labour Regulation & Control Rules 1970 and Child Labour Prevention & Control Regulation 1986 (if applicable). It is, therefore, directed that the provision therein shall be strictly followed by the contractor.
- dd) As per the above provision, if the total number of workers engaged on any contract work exceed 20 (Twenty), then, it is imperative on the part of contractor

to obtain registration certificate from Labour Commissioner for the said work. The certificate shall be valid and produced during currency of contract in force.

ee) Quotationers shall submit an undertaking for **Best price on stamp paper of Rs. 200/-** duly notarized by notary and registration number.

ff) The **quotationer** shall submit an **‘undertaking cum indemnity bond’ on stamp paper of Rs.500/-**

gg) If the quotationer’s firm/ establishment have less than 20 employees, registration certificate as per EPF & MP Act 1952 is not required but declaration to that effect is required to be submitted on Rs.200/- stamp paper.

hh) The quotationer shall submit the registration certificate as per ESIC 1948 Act for the firms having the followings:

(i) The firms having production with the help of energy & having the employees more than 10.

(ii) The firms having production without energy & having the employees more than 20.

If the quotationer is not fulfilling i) or ii) above, then the declaration to that effect is required to be submitted on Rs. 200/- stamp paper.

ii) The **Lowest successful quotationer** shall submit an **‘Irrevocable Undertaking’ on Rs.500/-** stamp paper, duly notarized as per Annexure A1 in prescribed format after intimation of Letter of acceptance.

jj) The successful quotationer shall pay the applicable legal & stationery charges within 15 days from the date of receipt of Letter of Acceptance. The Legal & Stationery Charges are as under:

Sr. No.	Contract Value	Legal & Stationery Charges in Rs.
a)	Up to Rs.50,000/-	Nil
b)	Rs.50,001/- to Rs.1,00,00,000/-	0.10% of contract value (Rounded in multiples of Rs.100/-) + 18% GST (Minimum Rs.1,000/- + GST & Maximum Rs.10,000/- + GST)

kk) Contract execution applicable for contracts more than Rs.50,000/-. The stamp duty of Rs.500 will be applicable to contract agreement document. Successful

quotationer shall have to submit all relevant documents for contract execution process within 15 days from the date of receipt of letter of acceptance. Failing which the penalty of Rs.100/- per day will be imposed.

ll) The successful quotationer, here after referred to as the contractor shall pay an amount equal to Two (2) percent of the contract sum in form of Demand Draft shall be paid within fifteen days from the date of issue of letter of acceptance.

mm) Contract Deposit will be refunded after completion of Maintenance Guarantee period.

nn) ~~Additional Security Deposit shall be applicable for percentage base quotation as under:~~

Rebate quoted by contractor	ASD Applicable
Up to 12% Rebate	No ASD
Rebate above 12% on estimated cost	At 2.00% of Estimated cost for each % rebate & part thereof, in D.D. only

~~The quotationer shall submit the ASD as applicable in the form of Demand Draft, which is to be submitted during office hours minimum one day before opening of packet 'B' (Price packet) to respective Head clerk (Account) of the Engineer in-charge of the AE Division in sealed envelope. If ASD, is not applicable then the quotationer shall submit sealed envelope mentioning on their letter head 'ASD is not applicable'.~~

~~If the quotationers fails to submit the sealed envelope as mentioned above at least one day before opening of packet 'B' (Price packet) within office hours then the EMD of the respective quotationers will be forfeited. (NOT APPLICABLE)~~

41. Insurance

41.1 The Contractor at his cost shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of Defects Liability Period, in the amounts and deductibles stated in the Contract Data for the following events which are due to the Contractor's risks:

- i. Loss of or damage to the Works, Plant and Materials;
- ii. Loss of or damage to Equipment;
- iii. Loss of or damage to property (other than the Works, Plant, Materials, and Equipment) in connection with the Contract; and
- iv. Personal injury or death.

41.2 Insurance policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

41.3 Alterations to the terms of insurance shall not be made without the approval of the Engineer.

41.4 Both parties shall comply with any conditions of the insurance policies.

41.5 If the Contractor does not provide any of the policies and certificates required, the Employer may affect the insurance which the Contractor should have provided and recover the premiums the Employer has paid, from payments otherwise due to the Contractor or if no payment is due, the payment of premiums shall be debt due.

sd/
Executive Engineer (M&E)
M-3 A, Pise Panjrapur

BRIHANMUMBAI MUNICIPAL CORPORATION

(Hydraulic Engineer's Department)

Sub: “Supply, Installation, Testing & Commissioning of Earth Pits & other electrical works in the premises of M-III A Pumping Station, Panjrapur”.

- **Preamble:**

Brihanmumbai Municipal Corporation has implemented and commissioned Mumbai-III A Water Supply Project for augmentation of water supply to Mumbai City. The Mumbai – III A Pumping Station at Panjrapur having installed capacity of 800 MLD has been commissioned with effect from 05.03.2007. There are total 5 nos. of pumps having discharge capacity of 160 MLD each. These pumps are connected to 6.6 KV, 1700 KW motors along with their allied accessories. In addition to that, one 80 MLD Trimmer Pump is installed & commissioned since 22.11.2021 to enhance the installed capacity of M-3 A Pumping Station, Panjrapur. Thus, after commissioning of 80 MLD trimmer pump, installed capacity of M-3 A Pumping Station, Panjrapur has become 880 MLD.

The main equipments like HT motors & capacitors operate on 6.6 KV supply which is fed from M-3 A 100 KV Substation at Panjrapur. All other equipments like main inlet valve (I-4), suction valves, discharge valves, Guard valves, battery chargers, illumination load, etc. operate on 415 V & 230 V AC supply. In case of power supply failure, pumps & capacitors gets tripped. Hence they cannot operate till power supply gets restored. But for other equipments, a Kirloskar make 200 KVA Diesel Generator set is installed since commissioning in the year 2007 to operate these equipments in case of power supply failure. The DG set provides 415 V & 230 V AC supply to M-3 A Pumping Station & M-3 A 100 KV Substation at Panjrapur. The DG set has existing two earthing pits, one for neutral and other for DG body. The Neutral earth pit is in damaged condition, having broken earthing rod and grid connecting strips.

Electrical safety audit was carried out by M/s. Saurabh Engineering Services in M3A Pumping Station Panjrapur and have recommended some corrective actions regarding DG set. They have recommended “Two nos. of separate earth pits for DG neutral”, accordingly supply, installation, testing & commissioning of one more earth pit is needed also, one damaged earth pit has to be reconstructed for getting good system earthing. Earthing pits & grid are the main part of electrical system. A bad earthing system can have several consequences, including :-

- 1) Electrical hazards :- Inadequate or faulty earthing can result in electric shocks which can be life threatening.

2) Equipment Damage :- Without proper grounding, sensitive electronic equipment may be damaged by electrical surges or static electricity.

3) Fire risk :- Poor earthing can lead to electrical faults & sparks, potentially causing electrical fires.

4) Poor power quality :- Grounding issues can lead to unstable voltage levels, causing disruptions in power supply & affecting the performance of electrical devices.

5) Interference :- Inadequate grounding can result in electromagnetic interference, affecting the functioning of electronic & communication systems.

6) Non compliance :- Buildings & systems that do not meet earthing standards may fail to comply with safety regulations & codes.

7) Legal & Financial consequences :- If accidents or damage occur due to improper earthing, there may be legal & financial liabilities.

Proper earthing is essential to ensure electrical safety, equipment protection & the reliable operation of electrical systems. It is important to prevent these consequences. It is therefore necessary to install both the earthing pits by new one.

Also, the existing 3.5C x 240 sq.mm Aluminum cable supplying power to Information Center at M3A Panjrapur has deteriorated cable joint and the old 3.5 C x 240 sq.mm Al. cable after that joint till Information Center main supply panel is buried under ground which needs replacement. Hence, supply, installation, testing and commissioning of new cable joint with new 3.5 C x 240 sq.mm Al. Cable are required to replace the existing joint and cable. Some allied electrical works required are also included in said work.

➤ **Technical Specifications:**

1. Earthing pits with conductors:

1. Earth Station : 600 mm x 600 mm x 6 mm galvanised iron plate & 50 mm dia. G.I. pipe, 3000mm long GI pipe (Class B or better) earth pit as per IS 3043.
2. Pipe : Watering pipe (Class B) with wire messed funnel.
3. Earthing Strip : 25 x 6 mm G.I. strip.
4. Earth Pit : 600 x 600 mm (clear) RCC chamber & heavy duty 3 mm thick C.I. chequered plate cover with hinge & stainless steel bolts.
5. Layers in earth pit : Bentonite / Charcol (40 Kg) & Salt (40 Kg)
6. Earthing Conductors : 25 x 6 mm G.I.
7. Earth Pits Quantity : 02 Nos.
8. Earthing Conductors length : 100 Mtr
from Panel to Pit

2. CABLE JOINTS CAST RESIN STRAIGHT -3.5C x 240 Sq.mm (Qty 01 No):

1. Scope of work includes supply, installation, testing, commissioning, handling at site of Heat Shrinkable cast resin straight through joints.
2. Straight through joints suitable for following sizes 1.1 kV grade stranded Al conductor, XLPE, extruded PVC inner and outer sheathed, galvanised steel round or strip armoured cables with required all necessary accessories.
3. The cable joints shall have high electrical insulation values. Good mechanical strength, good resistance against UV- radiation, alkaline earths and chemical agents. It shall prevent ingress of water due to special sealants & Adhesive. Lined corrosion protection tubing kits shall conform to requirements of C-81, BIS & other international standards

3. Al armoured cables FRLS outer sheathed- 3.5C x 240 Sq.mm (Qty 45 Mtr):

1. Cables shall be capable of satisfactorily withstanding, without damage, during transportation to site, installation at site, and operation under normal and short circuit conditions of the various systems to which the respective cables are connected, when operating under the climatic conditions prevailing at the site as indicated in these specifications
2. This specification covers design, manufacture, testing at manufacturer's works, supply, packing, forwarding and delivery from place of storage/ manufacturer's works to erection site including transit insurance, unloading, storage at site, testing, installation & commissioning at site for power AC/ control cables as per Specification
3. Cables shall be capable of giving satisfactory performance when laid in trays, trenches, conduit, and ducts and when directly buried in the ground.

4. All cables shall carry the corresponding full load current under site conditions. Design parameters considered while designing of the cables are as per following but not limited to -Maximum allowable design temperature rise under normal full load condition based on the material of cable insulation. Maximum short circuit current and its duration (fault clearing time).
5. Cables shall be capable of operating satisfactorily under a power supply system voltage variation of + 6% and frequency variation of + 2%.
6. Cables shall normally be laid under the following conditions
 - 1) In air-ambient temperature of 400 C.
 - 2) In ground-ground temperature of 3000 C.
 - 3) Depth of laying in ground - 750 mm.
 - 4) In conduits – space factor of not more than 60%
7. PVC Insulated Cables shall be 1100 V grade heat resistant, fire retarding type.
8. If shorter radius appears necessary, no bend shall be made until clearance and instructions have been received from the Engineer's Representative.
9. Wherever groups of H.V. and L.V. cables are to be laid along the same route, suitable barriers to segregate these cables physically shall be introduced.
10. Wherever cables crosses roads and water, oil, gas or sewage pipes or G.I. Pipes/corrugated, the cables shall be laid in reinforced spun concrete.
11. The armour of the cable shall be bonded to the earthing system of the station.
12. All new cables shall be megger tested before laying and after jointing is completed, all L.V. cables shall be megger tested before commissioning. 1100/650 Volts grade cables shall be tested by 1000 Volts megger.
13. Cable cores shall be tested for:
 - d) Continuity
 - e) Absence of cross phasing
 - f) Insulation resistance to earth
 - g) Insulation resistance between conductors
14. Contractor shall furnish all testing kit and instruments required for field testing whenever asked by the site Engineer/Engineers representative.

4. Supply & Laying of double wall corrugated (DWC) pipe 120 mm OD / 103.5 mm I.D (Qty 80 Mtr):

1. For underground cable protection, supply and laying of Double Wall Corrugated (DWC) pipes of HDPE with IS-14930 part II mark on it. With necessary connecting sockets/couplings, tees of some material at required depth upto 90 c.m. below road ground surface, back filling with light ramming to make road/ground surface as it was (except bitumen carpets).

5. Cable End Termination For Aluminium Cables – 3.5C x 240 Sq.mm (Qty 01 Set):

1. Cable Glands:
 - a) Double compression type cable glands shall be used. Cable glands shall be brass casting, machine finished and Nickel-plated to avoid corrosion and oxidation. Rubber components used in cable gland shall be of neoprene.
 - b) For single core cables, gland shall be with brass ring.
 - c) Cable glands shall be with metric threads.
 - d) Cable glands shall be conical (& not flange type).
2. Cable Lugs:
 - a) Cable lugs shall be AL lugs for the AL cables.
 - b) The current rating of the lugs shall be same as that of the respective cable

- conductors.
- c) Ring type cable terminations shall be used.
- d) Insulated lugs are not acceptable for any cable terminations.
- e) Bi-metal strip/Bi-metallic lug shall be used whenever two different metals are to be connected together.
- f) Double hole extended neck (long barrel neck) type lugs shall be used in case of cables above 185 sq. Mm.
- g) All terminations in DBs/ enclosure for earthing & neutral busbars/ terminals shall be with ring type terminals.
- h) All earthing terminations shall be with ring type lugs only.
- i) All control & interlock cable terminations shall be with ring type lugs.
- j) Anticorrosion/ anti-oxidation compounds shall be used for crimping lugs (This shall especially be ensured for Al cable terminations).
- k) If termination is done with crimping tool employing crimping die then forming dies shall be used to make the sector shaped conductor into a round conductor before crimping the lugs on the conductor. The lug must not be crimped directly on the sector conductor.
- l) Before crimping the lug, the conductor shall be thoroughly cleaned and special jelly applied over it to prevent further oxidation.

6. Refixing (Qty 28 Mtr):

1. Refixing of 3-1/2 core / 4 core copper / aluminium armoured cable above 150 sq.mm. to 400 sq.mm. size on wall / ceiling etc.
2. Old electrical accessories such as switch gear, fixtures, cable etc. removed as above shall be refixed with new mounting accessories such as round blocks, ball sockets, screws, clamps, saddles, spacers etc. using old conduit pipes in approved manner with good workmanship. Holes, patches etc. occurred while carrying out this work shall be made good.

7. Excavation (Qty 7 CUM):

1. Excavating the trenches and refilling the same after the cable is laid in approved manner (Size of trench: 750 mm deep, 600 mm wide) in concrete/ masonry / asphalt. 1 Cu. Mtr. = 2.2 RMT. And reinstatement.

8. Cu armoured cables FRLSZ outer sheathed- 4C x 25 Sq.mm (Qty 06 Mtr):

1. Cables shall be capable of satisfactorily withstanding, without damage, during transportation to site, installation at site, and operation under normal and short circuit conditions of the various systems to which the respective cables are connected, when operating under the climatic conditions prevailing at the site as indicated in these specifications
2. This specification covers design, manufacture, testing at manufacturer's works, supply, packing, forwarding and delivery from place of storage/ manufacturer's works to erection site including unloading, storage at site, testing, installation & commissioning at site for power AC/ control cables as per Specification
3. Cables shall be capable of giving satisfactory performance when laid in trays, trenches, conduit, and ducts and when directly buried in the ground.
4. All cables shall carry the corresponding full load current under site conditions. Design parameters considered while designing of the cables are as per following but not limited to -Maximum allowable design temperature rise under normal full load condition based on the material of cable insulation. Maximum short circuit current and its duration (fault clearing time).
5. Cables shall be capable of operating satisfactorily under a power supply system voltage variation of + 6% and frequency variation of + 2%.

6. Cables shall normally be laid under the following conditions
 - 1) In air-ambient temperature of 400 C.
 - 2) In ground-ground temperature of 3000 C.
 - 3) Depth of laying in ground - 750 mm.
 - 4) In conduits – space factor of not more than 60%
7. PVC Insulated Cables shall be 1100 V grade heat resistant, fire retarding type.
8. If shorter radius appears necessary, no bend shall be made until clearance and instructions have been received from the Engineer's Representative.
9. The armour of the cable shall be bonded to the earthing system of the station.
10. All new cables shall be megger tested before laying and after jointing is completed, all L.V. cables shall be megger tested before commissioning. 1100/650 Volts grade cables shall be tested by 1000 Volts megger.
11. Cable cores shall be tested for:
 - a) Continuity
 - b) Absence of cross phasing
 - c) Insulation resistance to earth
 - d) Insulation resistance between conductors
12. Contractor shall furnish all testing kit and instruments required for field testing whenever asked by the site Engineer/Engineers representative.

9. Cable End Termination For Copper Cables – 4C x 25 Sq.mm (Qty 02 Set):

1. Cable Glands:
 - a) Double compression type cable glands shall be used. Cable glands shall be brass casting, machine finished and Nickel-plated to avoid corrosion and oxidation. Rubber components used in cable gland shall be of neoprene.
 - b) For single core cables, gland shall be with brass ring.
 - c) Cable glands shall be with metric threads.
 - d) Cable glands shall be conical (& not flange type).
2. Cable Lugs:
 - a) Cable lugs shall be of tinned copper, solder less crimping type for Cu cables.
 - b) The current rating of the lugs shall be same as that of the respective cable conductors.
 - c) Ring type cable terminations shall be used.
 - d) Insulated lugs are not acceptable for any cable terminations.
 - e) Bi-metal strip/Bi-metallic lug shall be used whenever two different metals are to be connected together.
 - f) Double hole extended neck (long barrel neck) type lugs shall be used in case of cables above 185 sq. Mm.
 - g) All terminations in DBs/ enclosure for earthing & neutral busbars/ terminals shall be with ring type terminals.
 - h) All earthing terminations shall be with ring type lugs only.
 - i) All control & interlock cable terminations shall be with ring type lugs.
 - j) Anticorrosion/ anti-oxidation compounds shall be used for crimping lugs (This shall especially be ensured for Al cable terminations & any bimetallic terminations (Cu cable termination using tinned copper lugs).
 - k) If termination is done with crimping tool employing crimping die then forming dies shall be used to make the sector shaped conductor into a round conductor before crimping the lugs on the conductor. The lug must not be crimped directly on the sector conductor.
 - l) Before crimping the lug, the conductor shall be thoroughly cleaned and special jelly applied over it to prevent further oxidation.

10. LED Tubelight fixtures 1X 18W (Qty 75 Nos.):

1. 18W LED Tube with a minimum system efficacy of 110 lm/W. The luminaire shall have a rated system lifetime of 50,000 burning hours at L70. The luminaire should have a color temperature of 6500K and CRI>80. The luminaire shall meet IP20 rating with THD < 10% and PF > 0.95. The luminaire housing should be made of white powder coated CRCA sheet steel.

11. Indoor LED Fixtures LED Square Recessed Downlighter 36W (600X600) (Qty 04 Nos.):

1. The luminaire housing should be made of powder coated metallic CRCA with high efficiency opal diffuser. The driver should be integrated and of the same make as the luminaire.
2. Supply, Installation, Testing and Commissioning of Recessed luminaire applicable to the floor or ground, designed for fitting monochrome white LED sources, for illumination, fixed optic, with incorporated electronic control gear. The round frame has a diameter D=144 mm; the body and frame are made of AISI 304 stainless steel with sodium-calcium extra clear glass, thickness 12mm. Stainless steel body coated with black paint. The luminaire is fixed to the outer casing by means of two TORX-type screws and appropriate retention seals that ensure proper anchoring. Inclusive of LED circuit, OPTI BEAM aluminium reflector and black plastic cover. The product is wired using an A2 stainless steel cable gland, with type H07RNF 2x1 mm² outgoing power cable (L=1200 mm). The outer casing for installation can be ordered separately from the plastic optical assembly. Differential mode or equivalent.

Note: Technical Specifications are based on MCGM's rate schedule specifications (M&E) 2023

➤ **Scope Of Work:**

1. The scope includes following works to be carried out in the premises of M-III A Pumping Station, Panjrapur:
 - a) SITC of 02 Nos. earth pit near DG set.
 - b) Existing 240 x 3.5C Al. Cable jointing with new cable, laying new cable in cable trenches and termination in Main supply Panel in Information Center.
 - c) Laying & termination of new 25 x 4 C Cu. Cable from Main supply panel to Air Conditioner supply panel in Information Center.
 - d) SITC of new LED 1 x 18W Tubelight Fixtures and 36 W recessed downlighters in M3A Pumping Station, Panjrapur.

2. Construction of 02 Nos. earth pit near DG set.

- 2.1 The scope of work shall include construction of 02 nos. of earth pits located at different location (6 mtrs apart), connecting new earthing strip from existing 200KVA DG set and AMF panel to earth pits and grid connection of both earth pits as per technical specifications in the premises of M-III A Pumping Station, Panjrapur.
- 2.2 The location of new earth pits shall be next to 200 KVA DG Set Room. Both the earth pits shall be constructed in such a distance that they can be connected in grid for giving minimum resistance path.
- 2.3 All the non-current carrying metal parts of electrical power supply panels such as metal conduits, switch gear, distribution switch boards and all other parts of metal shall be bonded together and connected by means of two separate earth continuity conductor to earth electrode.
- 2.4 Earth continuity conductors shall be of high conductivity.
- 2.5 Protection against mechanical damage/corrosion shall be provided wherever necessary by carrying earth conductor in 'B' class G.I. Pipes of 12 mm. nominal dia. and 12 mm G.I. bend at one end or suitable size 'B' class G.I. Pipe & G.I. bend.
- 2.6 Earthing conductor shall be so placed and connected so that it is not likely to be accidentally damaged or cut. It shall be fixed over its entire length by clamps, clips, saddles, and staples, which in no way will damage the conductor.
- 2.7 Joints in earthing conductor shall not be permitted.
- 2.8 The entire system of earthing shall be tested for mechanical and earth continuity.
- 2.9 Supply and fixing earthing bare G.I. conductor as instructed, to be laid along with

cables or from panels to switch gear D.B.s / Equipments etc.

- 2.10 Excavation, backfilling, removal of excess soil is included in the scope (Refer IS 3043 page 24/25 std. Dwg.)

3. 240 x 3.5 C Al. Cable jointing with new cable, laying new cable in cable trenches and connecting in Main supply Panel in Information Center.

- 3.1 The scope of work shall include removing the existing broken joint of cable & rejoining it again with new 240 x 3.5 C Aluminium Cable, Laying the newly joined cable in proper trenches and terminating properly in Main supply panel in Information Center as per technical specifications.
- 3.2 The necessary electrical tests as mentioned in technical specifications shall be carried out on new cable before installation and also after joining the cable and before charging the Main supply panel in Information Center.
- 3.3 The successful contractor shall furnish the test reports to BMC Engineers and get clearance before charging the Main supply panel in Information Center.

4. Laying & termination of new 25 x 4 C Cu. Cable from Main supply panel to Air Conditioner supply panel in Information Center.

- 4.1 The scope of work shall include removing the existing ruptured cable & connecting new 25 x 4 C Copper Cable, Laying the newly joined cable in proper tray and terminating properly in Air Conditioner supply panel from Main supply panel in Information Center as per technical specifications.
- 4.2 The necessary electrical tests as mentioned in technical specifications shall be carried out on new cable before installation and also before charging the Air Conditioner supply panel in Information Center.
- 4.3 The successful contractor shall furnish the test reports to BMC Engineers and get clearance before charging the Air Conditioner supply panel in Information Center.

5. SITC of LED 1 x 18W Tubelight Fixtures and 36 W recessed downlighters in M3A Pumping Station, Panjrapur

- 5.1 SITC of LED 1 x 18W Tubelight Fixtures and 36 W recessed downlighters in M3A Pumping Station, Panjrapur as per technical specifications.
6. The completion period for said work shall be **2 Month**.
7. The Contractor shall bring the necessary tools & tackles required for servicing work.

8. The Contractor shall hand over all the removed material to BMC.
9. The Contractor shall ensure that all cable terminations are tighten and no loose connections are present. Also same shall be verified from BMC Engineers.
10. The Contractor shall extend full co operation & interaction with other agencies at site, if involved.
11. The Work shall be carried out with good workmanship following standard engineering practices.
12. The Defect Liability Period for said work shall be **36 Months**.
13. Successful contractor shall attend the complaint immediately after intimation & rectify the fault within 48 Hrs. from intimation during DLP.
14. The Tenderer shall consider the circular no. Ch.E.(Vig.)/2673/B dated 02.03.2022, clause no. 11, Which states that :-

During the Defect Liability Period (DLP), the completed work shall be periodically inspected by the site staff along with the contractor and defects noticed, if any shall be got rectified immediately from the contractor as per provision of contract. The above compliance report shall be mandatory prerequisite before releasing the deposits/retention money of the work.

Accordingly, the contractor shall prepare the periodical checklist and get it approved from BMC Engineers on or before work completion.

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BILL OF QUANTITIES & RATES

Sr. No.	Description	Qty.	Rate in Rs.	Amount in Rs.
1	Supply, Installation, Testing & Commissioning of Earth Pits & other electrical works in the premises of M-III A Pumping Station, Panjrapur as per technical specifications and scope of work.	1 Jobs	216,818.00	216,818.00
Total Excluding GST				216,818.00

Add Premium / Less Rebate at %
(In words _____) on above estimated amount

NOTE:- This is percentage base tender. Bidder has to quote rates online excluding GST

Tenderer's Full address & Tel No.

Tenderer's signature & Office Stamp

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Details of Work

Sr No	SOR	Item	Qty	Unit	RATE	AMOUNT
A	R3-ME-7-4	Supply & installation of Earth conductor of the following sizes to be cleated on wall / columns with nuts & bolts or laid in cable tray / buried in ground including cutting, drilling, tapping, jointing by welding, connecting to equipments, painting to welded portion by black bitumen paint and with all necessary GI hardware & accessories to complete the work				
1	R3-ME-7-4-f	Earthing Continuity Conductors -25 x 6mm GI	100	Mtr	99.00	9900.00
B	R3-ME-7-1	Earthing (SP-ME-TS-37) Earthing station with 600 mm x 600 mm x 6 mm galvanised iron plate & 50 mm dia. G.I. pipe, 3000mm long GI pipe (Class B or better) earth pit as per IS 3043. The earth pit shall be provided with watering pipe (Class B) with wire messed funnel, 25x6 GI strip/ / 2X8SWG G.I. wire up to chamber (wire or strip size as per fault level), disconnecting links with 600 x 600 mm (clear) JRCC chamber & heavy duty 3mm thick CI chequered plate cover with hinge & stainless steel bolts. Bentonite/ Charcol & Salt shall be provided for earth pits. Excavation, back filling, removal of excess soil is included in the scope				
2	R3-ME-7-1-c		2	NOS	16475.00	32950.00
C	R3-ME-2-18	Heat Shrinkable Straight through joints suitable for following sizes 1.1 kV grade stranded Cu/Al conductor, XLPE/PVC insulated, extruded PVC inner and outer sheathed, galvanised steel round or strip armoured cables with required all necessary accessories.				
3	R3-ME-2-18-i	CABLE JOINTS CAST RESIN STRAIGHT -3.5C x 240 Sq.mm	1	KIT	3891.00	3891.00
D	R3-ME-2-1	1.1 kV grade stranded Al conductor, XLPE insulated, extruded PVC inner and FRLS outer sheathed, galvanised steel round or strip armoured cables				
4	R3-ME-2-1-ab	1st category Al armoured cables FRLS outer sheathed- 3.5C x 240 Sq.mm	45	Mtr	1485.00	66825.00
E	R3-ME-2-22	Supply & Laying of double wall corrugated (DWC) pipes of HDPE for underground cable protection as per IS 14930 Part II. With necessary connecting socket/couplings, tees of some material at required depth up to 900 mm below road ground surface. backfilling of with light ramming is included in the Scope.				
5	R3-ME-2-22-e	Supply & Laying of double wall corrugated (DWC) pipe 120 mm OD / 103.5 mm I.D.	80	Mtr	426.00	34080.00
F	R3-ME-2-11	Cable end terminations for LV, XLPE/PVC insulated, PVC sheathed, armoured/ unarmoured cables including supply and fixing of Double compression cable glands, stripping of cable insulation, supply and fixing of aluminium lugs for				

		aluminium cables for all phases and crimping the same to the conductor for the following cables. Miscellaneous items like cable lugs, G.I nut - bolts and G.I washers , consumables and other hardware materials as required to make the installation complete, are in the scope. All G.I Nut, bolt and washers shall be HDGI with 80 micron. One set of termination includes gland, lugs for cable core & accessories				
6	R3-ME-2-11-aa	Cable End Termination For Aluminium Cables – 3.5C x 240 Sq.mm	1	SET	1311.00	1311.00
G	AY	REFIXING				
7	R3-ME-8-2-j	Refixing of 3-1/2 core / 4 core copper / aluminium armoured cable above 150 sq.mm. to 400 sq.mm. size on wall / ceiling etc.	28	Mtr	92.00	2576.00
H	U	Excavation (SP-ME-TS- 6)				
8	R3-ME-2-9	Excavating the trenches and refilling the same after the cable is laid in approved manner (Size of trench: 750 mm deep, 600 mm wide) in concrete/ masonry / asphalt. 1 Cu. Mtr. = 2.2 RMT. And reinstatement.	7	CUM	425.00	2975.00
I	R3-ME-2-3a	1.1 kV grade stranded Cu conductor, XLPE insulated, extruded PVC inner and outer sheathed FRLSHZ, galvanised steel round or strip armoured cables (SP-ME-TS- 6)				
9	R3-ME-2-3a-v	1st category Cu armoured cables FRLSZ outer sheathed- 4C x 25 Sq.mm	6	Mtr	1402.00	8412.00
J	R3-ME-2-12	Cable end terminations for LV, XLPE/PVC insulated, PVC sheathed, armoured/ unarmoured cables including supply and fixing of Double compression cable glands, stripping of cable insulation, supply and fixing of tinned plated copper lugs for copper cables for all phases and crimping the same to the conductor for the following cables. Miscellaneous items like cable lugs, G.I nut - bolts and G.I washers , consumables and other hardware materials as required to make the installation complete, are in the scope. All G.I Nut, bolt and washers shall be HDGI with 80 micron. One set of termination includes gland, lugs for cable core & accessories				
10	R3-ME-2-12-u	Cable End Termination For Copper Cables – 4C x 25 Sq.mm	2	SET	331.00	662.00
K	R3-ME-4-34	Tubelight fixtures				
11	R3-ME-4-34-a	LED Tubelight fixtures 1X 18W	75	Nos	456.00	34200.00
J	R3-ME-4-33	LED Square Recessed Downlighter				
12	R3-ME-4-33-f	INDOOR LED FIXTURES LED Square Recessed Downlighter_36W (600X600)	4	Nos	4759.00	19036.00
					TOTAL	216818.00

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Datasheet

Sr.N	Description	MCGM Requirement	Offered by Bidder
1	1st category Al armoured cables FRLS outer sheathed- 3.5C x 240 Sq.mm	1st Category: Finolex, Polycab, Havell's, HPL, Anchor	
2	1st category Cu armoured cables FRLSZ outer sheathed- 4C x 25 Sq.mm	1st Category: Finolex, Polycab, Havell's, HPL, Anchor	
3	LED Tubelight fixtures 1X 18W	Syska, Polycab, Halonix, Orient	
4	INDOOR LED FIXTURES LED Square Recessed Downlighter 36W (600X600)	Philips, Bajaj, Crompton	

Note :- Above Data sheet shall be fill, stamped & signed by Quotationer and submit in Packet A.

Undertaking - II

Information to be filled in by the quotationer

- 1 Quotation No :
- 2 EMD amount & receipt no with date : Rs. _____ & _____
dtd _____
- 3 Quotationer's Name : M/s.
- 4 Quotationer's address & contact :
numbers
- 5 If it is proprietary concern ? : Yes / No
if so, name of the owner :
- 6 If it is partnership concern ? : Yes / No
If so, name of each partner :
- Partnership deed and copy of : Yes / No
registration certificate enclosed?
- 7 If it is a Company? : Yes / No
- 8 If so, documentary proof to show that : Yes / No
the company is registered is
enclosed ?
- 9 E-mail id :
- 10 Vendor Code No :
- 11 Whether registered under G.S.T. Act, : Yes / No.
2017
- 12 Registration must be Effective on : Registration No :
date of
- 13 Certificate in support of above if : Yes / No
registered is enclosed?
- 14 The certification of PAN document : Can be done by any of the following
and Photographs authorities:
12. Practicing Notary appointed by
Govt. of Maharashtra / Govt. of India
with his stamp but without red seal)
13. Gazetteer Officer

14. Any officer of the rank Asstt. Engineer / Administrative Officer and above of BMC

15 **Certificates / documents in support** : Yes / No
 of above enclosed?

 If above information is already on enclosed letter head, no necessity to furnish the same here (Please do not fill above information, if furnished on letter head.)

 If the vendor changes the Bank or the Branch he should immediately inform office of AO (FAR), in writing

**Signature of authorized person
of concern Company / Quotationer**

AGREEMENT FORM

Tender / Quotation dated 20...

DMC (SE)/ AMC (P) / MC's sanction / Standing Committee Resolution No.

CONTRACT FOR THE WORKS

..... This agreement
made this day of Two thou-
sand Between.....

..... Inhab-
itants of Mumbai, carrying on business at.....

.....
in Bombay under the style and name of Messrs

..... (Hereinafter called "the contractor) of the one part
and Shri

the Dy. Municipal Commissioner (hereinafter called "the commissioner" in which expres-
sion are included unless the inclusion is inconsistent with the context, or meaning
thereof, his successor or successors for the time being holding the office of Dy. Municipal
Commissioner of the second part and the Municipal Corporation of Greater Mumbai
(hereinafter called "the Corporation") of the third part, WHEREAS the contractor has ten-
dered for the construction, completion and maintenance of the works described above
and his tender has been accepted by the Commissioner (with the approval of the Stand-
ing Committee of the Corporation) NOW THIS THIS AGREEMENT WITNESSETH as fol-
lows:-

- 1) In this agreement words and expressions shall have the same meanings as are
respectively assigned to them in the General Conditions of Contract for works
hereinafter referred to:-
- 2) The following documents shall be deemed to form and be read and constructed
as a part of this agreement viz.
 - a) The letter of Acceptance
 - b) The Bid:
 - c) Addendum to Bid; if any
 - d) Tender Document
 - e) The Bill of Quantities:

- f) The Specification:
 - g) Detailed Engineering Drawings
 - h) Standard General Conditions of Contracts (GCC)
 - i) All correspondence documents between bidder and MCGM
- 3) In consideration of the payments to be made by the Commissioner to the contractor as hereinafter mentioned the contractor hereby covenants with the Commissioner to construct, complete and maintain the work in conformity in all respects with the provision of the contract.
- 4) The Commissioner hereby convenient to pay to the Contractor in consideration of construction , completion and maintenance of the works the contract sum, at times and in the manner prescribed by the contract.

IN WITNESS WHERE OF the parties hereto have caused their respective common seals to be herein to affixed (or have hereunto set their respective hands and seals) the day and year above written.

Signed, Sealed and delivered by the contractors

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-----	-----
-----	-----

In the presence of

Trading under the name and style of

-----	-----
-----	-----

Full Name

Address

Contractors

Signed by the Dy. Municipal Commissioner

in the presence of

Dy. Municipal Commissioner

The Common seal of the Municipal Corporation of Greater Mumbai was hereunto affixed on the 20 in the presence of two members of the Standing Committee.

1.

1.

2.

2.

And in the presence of the Municipal Secretary

Municipal Secretary

Note:-The successful bidder will have to pay stamp duty, legal & stationary charges as mentioned above

Undertaking for Best Price

(As per circular u/no. DMC / CPD / OD / 15 dated. 06/05/2013, to be submitted with)
(On stamp paper of Rs. 200/- duly notarized by notary with red seal and registration number)

Sub: _____

To,

The Municipal Commissioner

For the Brihanmumbai Municipal Corporation

Sir ,

“I / We(Full Name in capital letters starting with surname), the Proprietor / Managing Partner / Managing Director / Holder of the Business / Manufacturer / Authorized Dealer, for the establishment / firm / registered company , named herein below , do hereby , state and declare that I/We ----- whose names are given herein below in details with the addresses have not filled in this quotation under any other name or under the name of any other establishment / firm or otherwise , nor are We in any way related or concerned with any establishment / firm or any other person , who have filled in the quotation for the aforesaid work.”

“ I / We do hereby further undertake that, we have offered the best prices for the subject supply / work as per the present market rates. **Further , we do here by undertake and commit that we have not offered / supplied the subject product / similar product / system or sub system in the past one year in the Maharashtra State for quantity variation upto - 50% or + 10 % at a price lower than that offered in the present bid to any other outside agencies including Govt. / Semi Govt. agencies and within the BMC also.** Further, we have filled in the accompanying quotation with full knowledge of the above liabilities and therefore we will not raise any objection or dispute in any manner relating to any action, including forfeiture of deposit and blacklisting , for giving any information which is found to be incorrect and against the instructions and directions given in this behalf in this quotation.

I / We further agree and undertake that in the event it is revealed subsequently after the allotment of work / contract to me / us , that any information given by me / us in this quotation is false or incorrect , I / We shall compensate the Brihanmumbai Municipal Corporation for any such losses or inconvenience caused to the Corporation in any manner and will not resist any claim for such compensation on any ground whatsoever , I / We agree and undertake that I / We shall not claim in such case any amount , by way of damages or compensation for cancellation of the contract given to me / us or any work assigned to me / us or is withdrawn by the Corporation.”

However , in case of price difference, if it is a result of differential tax structures, different dollar value of Rupee, differential logistic of transport etc. Considering this aspect, before invoking the penalty, black-listing, I/We will be given a reasonable opportunity of being heard by representing our case as to why such price variation / differential has been arisen.

In case if the explanation submitted by me / us is unsatisfactory then action including forfeiture of despoise and black-listing may be taken against me/us.

Quotationer's full Signature with full name & address with rubber stamp

(On Rs. 500/- Stamp Paper)

DECLARATION CUM INDEMNITY BOND

I, _____ of _____, do hereby declared and undertake as under.

1. I declare that I have submitted certificates as required to Executive engineer (Monitoring) at the time of registration of my firm/company _____ and there is no change in the contents of the certificates that are submitted at the time of registration.
2. I declare that I _____ in capacity as Manager/Director/Partners/Proprietors of _____ has not been charged with any prohibitory and /or penal action such as banning (for specific time or permanent)/de-registration or any other action under the law by any Government and/or Semi Government and/or Government undertaking.
3. I declare that I have perused and examined the tender document including addendum, condition of contract, specifications, drawings, bill of quantity etc. forming part of tender and accordingly, I submit my offer to execute the work as per tender documents at the rates quoted by me in capacity as _____ of _____.
4. I further declare that if I am allotted the work and I failed to carry out the allotted work in accordance with the terms and conditions and within the time prescribed and specified, BMC is entitled to carry out the work allotted to me by any other means at my risk and cost, at any stage of the contract.
5. I also declare that I will not claim any charge/damages/compensation for non availability of site for the contract work at any time.
6. I declare that I will positively make the arrangements of the required equipment on the day of commencement or with respect to the progress of the work in phases, as per the instructions of site in charge.

Signature of Tenderer/Bidder

Annexure – A1

Irrevocable Undertaking

(On RS. 500/- stamp paper duly notarized by notary with red seal and registration number)

I Shri./Smt. aged..... years Indian Inhabitant. Proprietor/Partner/Director of M/s. resident at do hereby give Irrevocable undertaking as under :

- 5) I Say & undertake that as specified in section 171 of CGST Act 2017, any reduction in rate of tax on supply of goods or services or the benefit of input tax credit shall be mandatorily passed on to BMC by way of commensurate reduction in prices.
- 6) I further say and undertake that I understand that in case the same is not passed on and is discovered at any later stage, BMC shall be at liberty to initiate legal action against me for its recovery including, but not limited to, an appeal to the Screening Committee of the GST Counsel.
- 7) I say that above said irrevocable undertaking is binding upon me/my partners/Company/other Directors of the company and also upon my/our legal heirs, assignee, Executor, Administrator etc.
- 8) If I fail to compliance with the provisions of the GST Act, I shall be liable for penalty/punishment or both as per the provisions of GST Act.

Whatever has been stated here in above is true & correct to my/our own knowledge & belief.

Solemnly affirmed

DEPONANT

This day of

BEFORE ME

Interpreted Explained and Identified by Me.

UNDERTAKING - I

To,

The Municipal Commissioner,
Brihanmumbai Municipal Corporation,
Mumbai – 400 001.

Sir,

I / we have read the terms and conditions as stipulated in the enclosed herewith and accepts the same.

Yours faithfully,
Quotationer's Signature
& Office Stamp

Quotationer's full address& Tel. No.