



Government of West Bengal
Irrigation & Waterways Directorate
Office of the Superintending Engineer
Mechanical & Electrical Circle

Jalasampad Bhawan (6th Floor), Bidhannagar, Kolkata-700091

Phone No. 033-23218430, Fax No. 03323218430 E-Mail ID : semeciwd2017@gmail.com

Memo No: 658 /8E-173

Date: 31.10.2025

2nd CORRIGENDUM

e-NIT No. WBIW/EETAtose/MEC/eEOI-04/25-26

e-Tender ID: 2025_IWD_926515_1

Name of work : "Construction of an 800 cusec storm water drainage pumping station along with allied Civil and electro-mechanical work over Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.[PART-II(Estimate of M&E Works)]".

For convenience of bidder, a PDF copy of BOQ is attached to the Notice of e-EOI-05 /2025-26 with the end page of EOI notice for go through only. Also a corrected BOQ in xls. format is provided in BOQ folder where the bidders will quote their rates.

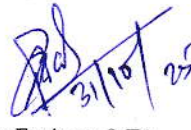
Other terms & condition remain unchanged.

Memo No. 658/1(2)/8E-173

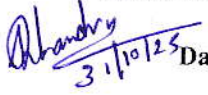
Copy Submitted to the :-

- 1) Chief Engineer, (M&E), I&W D, Govt. of W.B. for his kind information.
- 2) EE, MED

o/c


31/10/25

Executive Engineer & TA
to Superintending Engineer
Mechanical & Electrical Circle,
Irrigation & Waterways Directorate
Government of West Bengal

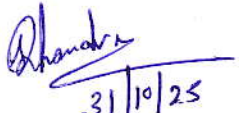

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Executive Engineer & TA
to Superintending Engineer
Mechanical & Electrical Circle,
Irrigation & Waterways Directorate
Government of West Bengal


31/10/25



Government of West Bengal
Irrigation & Waterways Directorate
Office of the Superintending Engineer
Mechanical & Electrical Circle
Jalasampad Bhawan (6th Floor), Bidhannagar, Kolkata-700091
Phone No. 033-23218430, E-Mail ID: tasemec2025@gmail.com

MemoNo. 640 /8E-173

Dated: 16.10.2025

[Invitation for Expression of Interest for Budgetary Quotation]

EOI No. WBIW/EETaToSE/MEC/eEOI-04/25-26

Critical Dates of this E.O.I:

Sl.No.	Particulars	Date&Time
01	Publishing Date	31.10.2025 AT 10.00Hrs.
02	Document download start date	31.10.2025 AT 10.00Hrs.
03	Bid submission start date	31.10.2025 AT 10.00Hrs.
04	Document download end date	17.11.2025 UPTO11:00Hrs.
05	Bid submission end date	17.11.2025 UPTO11:00Hrs.
06	Date of Opening of EOI	17.11.2025 AT 14:00Hrs.

NAME OF THE WORK: Construction of an 800 cusec storm water drainage pumping station along with allied Civil and electro-mechanical work over Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.[PART-II(Estimate of M&E Works)].

EXECUTING DIVISION: Mechanical & Electrical Circle

YEAR:2025-26

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1.0 Invitation for EOI/Single stage of Bidding

The Executive Engineer & TA To Superintending Engineer invites EOI from prospective bidders (OEMs, Contractors, Authorized dealers etc.) for the work "Construction of an 800 cusec storm water drainage pumping station along with allied Civil and electro-mechanical work over Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.[PART-II(Estimate of M&E Works)]". The successful Bidder will carry out the scope of work in accordance with the specifications provided in a detailed Request for e-NIT document which will be brought out by the Executive Engineer, Metropolitan Electrical Division in later stage after obtaining administrative approval of the work. Now, Executive Engineer & TA To Superintending Engineer seeks EOI for budgetary quotes from experienced, reputed Bidders for the above work, who meet the pre-qualification criteria specified in this document will be short-listed to have comparison of cost between various prospective bidder. In case of non compliance they may offer their own solution.

2.0 Description of the Project:

"Construction of an 800 cusec storm water drainage pumping station along with allied Civil and electro-mechanical work over Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.[PART-II(Estimate of M&E Works)]".

2.1 Location:

Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.

2.2 Introduction to the project:

Construction of an 800 cusec storm water drainage pumping station along with allied Civil and electro-mechanical work over Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.[PART-II(Estimate of M&E Works)]".

3.0 Instructions to Bidders:

3.1 Bidders are advised to study all instructions, B.O.Q, forms, terms, requirements and other information in the EOI documents carefully. Submission of the bid shall be deemed to have been done after careful study and examination of the E.O.I documents with full understanding of its implications. **Rate should be quoted of all taxes and duties. Percentage of different taxes and duties shall also to be mentioned.**

3.2 The response to this E.O.I should be full and complete in all respects. Failure to furnish all information required by the E.O.I documents or submission of a proposal not substantially responsive to the E.O.I documents in every respect will be at the bidder's risk and may result in rejection of its proposal.

3.3 For better understanding of work, brief description of work as per our preliminary assessment are given for better understanding of the project. In this stage bidder are requested to propose their work description, with quoting rate, so that in later stage under detailed NIT,

Expression of Interest

Complete scope of work and technical specification may be enclosed, So that bid may be evaluated on equal footing.

3.4 The Bidder shall be deemed to be fully conversant with the site conditions and the nature and complexity of the work to be undertaken and considering all eventualities which can arise before, during and after project execution.

3.5 Bid validity shall be 120 days.

4.0 EOI proposal preparation, costs & related issues:

4.1 The Bidder is responsible for all costs incurred in connection with participation in this process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by this office to facilitate the evaluation process, unless explicitly specified to the contrary.

Purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

4.2 These Expression of Interest (EOI) are purely for estimation purpose and to know the present market rate and under no circumstance, it shall be construed as quotation for placing the supply order. For competitive bidding separate notice inviting Tender will be published.

Expression of Interest

The Nodal Officer notified by the EOI issuing authority will endeavour to provide timely response to all queries. However, the department makes no representation or warranty as to the completeness or accuracy of any response made in good faith.

At any time prior to the last date for receipt of bids, EOI inviting authority may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the EOI document by issuing a corrigendum.

The corrigendum (if any) & clarifications to the queries from all Bidders will be posted on the e-tender portal <<https://wbtenders.gov.in>>. Any such corrigendum shall be deemed to be incorporated into this EOI.

In order to afford prospective Bidders reasonable time in which to take the corrigendum into account in preparation of their bids, Purchaser may, at its discretion, extend the last date for the receipt of EOI Bids.

Right to terminate the EOI process:

EOI issuing authority may terminate the EOI process at any time without assigning any reason. EOI issuing authority makes no commitments, expression or implied that this process will result in a business transaction with anyone.

Bid Submission Procedure

<Option 1: In case of Online Submission one-Procurement portal>

Bidders should submit their responses to an EOI as per the procedure specified in the e-Procurement portal (specified URL) being used for this purpose.

The bidder must ensure that the bid is digitally signed by the Authorized Signatory of the bidding firm and has been duly submitted (freezed) within the submission time lines. The Department will in no case be responsible if the bid is not submitted online within the specified timelines.

All the pages of the Proposal document must be sequentially numbered and must contain the list of contents with page numbers. Any deficiency in the documentation may result in the rejection of the Bidder's Proposal.

OR

<Option 2: In case of physical submission of bids at office of Executive Engineer & TA to SE>

- a. Bids shall be submitted in a single sealed envelope and superscripted <Name of the work> and <Reference EOI No.>. This envelope should contain two hard copies of EOI proposal marked as "First Copy" and "Second Copy" and one soft copy in the form of a non-rewriteable Compact Disc (CD). CD media must be duly signed using a permanent pen/marker by the Bidder. Bids are to be dropped in tender box kept in the O/O **Superintending Engineer, Mechanical & Electrical Circle.**
- b. Bids shall consist of supporting proofs and documents as defined in the Pre-qualification section.
- c. Bidder shall submit all the required documents as mentioned in this document.
- d. Envelope should indicate clearly the name, address, telephone number, E-Mail ID and fax number of the Bidder.
- e. Each copy of the EOI should be a complete document and the document should be page

Expression of Interest

- numbered, must contain the list of contents with page numbers and shall be initialed by an authorized representative of the Bidder.
- f. Different copies must be bound separately.
- g. Bidder must ensure that the information furnished by him/her in respective CDs is identical to that submitted by him in the original paper bid document. In case any discrepancy is observed by the authority in the contents of the CDs and original paper bid documents, the information furnished on original paper bid document will prevail over the softcopy.
- h. EOI document submitted by the Bidder should be concise and contain only relevant information as required under the EOI Bids shall consist of supporting proofs and documents as defined in the Pre-qualification section.

Short listing criteria:

Purchaser will shortlist Bidders who meet the pre-qualification criteria mentioned in this EOI.

Any attempt by a bidder to influence the bid evaluation process may result in the rejection of its EOI proposal.

10.0 Evaluation Process:

Technical Bid Evaluation Committees (TEC) in the Irrigation & Waterways Directorate for deciding for deciding on technical qualification of bidders for all works at the Technical Bid Evaluation Stage will be constituted in compliance with Department Memorandum No 10-W/2021-22, dated 07.10.2021.

11.0 Pre-qualification evaluation criteria:

Sl. No.	Basic requirement	Specific requirements	Documents required
1	Legal Entity	- Should be a company registered under the provisions of the Indian Companies Act, 2013 or a partnership firm registered under the Indian Partnership Act, 1936 or the Limited Liability Partnerships Act, 2008. - Registered with the GST authorities. - Should have been operating for the last three years.	- Certificate of incorporation/Partnership deed - GST registration - Certificate of commencement of business (if applicable)

Expression of Interest

2	Board resolution/ Power of attorney in favour of authorized signatory	A board resolution OR power of attorney in the name of the person executing the bid, authorizing the signatory to commit the Bidder.	Board resolution; OR Power of attorney with appropriate supporting documents
3	Sales Turnover	Annual sales turnover generated from services related to system integration during each of the last three financial years (as per the last published Balance sheets), should be at least INR<value in numbers and words>. This turn over should be on account of Information Communication Technology (ICT) systems development and implementation (i.e. revenue should be on account of system integration/turnkey solutions or products and their associated maintenance or implementation services, packaged software etc.) only	Extracts from the audited balance sheet and profit & loss; OR Certificate from the statutory audit or
4	Technical Capability	Bidder must have successfully completed at least one following nature of work within last five years and value not less than 50% of their quoted value. “Construction of 800 cusec storm water drainage pumping station with electro-mechanical work.[PART-II(Estimate of M&E Works)]. “	Completion certificates from the competent authority ; OR Work order +Self certificate of completion (Certified by the statutory auditor)
5	Debarment	Debarment should be used as a mandatory Pre-Qualification criterion to restrict organizations that have been either debarred by the tendering department for breach of ethical conduct or fraudulent practices, etc. As specified in Rule 151 of GFR.	Self Certified letter that the bidder (or any of its successors) is not in the active debarred list published by: a) Central/ State Public Procurement Portal; and

12.0 Examination of Bids and Determination of Responsiveness:

The Bid evaluation committee (TEC) will evaluate whether each Bidder is satisfying the eligibility and qualifying criteria prescribed in the pre-qualification document and declare names of the qualified Bidders.

Prior to the details evaluation, the tender accepting authority will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. For that purpose a separate sheet for Guaranteed Technical Particulars are attached.

Assessment: The detailed assessment for pre-qualification shall be based on the following

Expression of Interest

information submitted by the Bidder:

Expression of Interest

1. Data submitted in prescribed format given in tender documents.
 2. Bidder's techno-commercial proposals for carrying out the entire works in accordance with the specifications in this document.
- The techno-commercial submissions must principally demonstrate the adequacy of bidders' appreciation of the:
- The project
 - Design and detail engineering
 - The methods proposed for mobilization and establishment of site installation and for the timely completion, testing and commissioning and O&M of the project.
 - The arrangements for the logistic support for completion, testing and commissioning of all works of the project.--Requirements of the Department.

13.0 Format for letter of response:

To
The Executive Engineer & TA to Superintending Engineer,
Mechanical & Electrical Circle, Jalasampad Bhawan (6th Floor), Bidhannagar,
Salt Lake,
Kolkata: 700091.

Sub:-RESPONSE TO- EOI

Dear Sir,

We, the undersigned, offer the following information in response to the Expression of Interest sought by you vide your EOI No. Dated

1. Were duly authorized to represent and act on behalf of _____
(Here in after the "respondent")
2. We have examined and have no reservations to the EOI Document including Addenda No(s) _____

I/We understand that this EOI is intended for the work "Construction of an 800 cusec storm water drainage pumping station along with allied Civil and electro-mechanical work over Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.[PART-II(Estimate of M&E Works)]".

Irrigation and Waterways Department, Govt. of West Bengal may float a separate Tender (based on their requirement), with all conditions like Eligibility Criteria, and our participation in this EOI does not guarantee any qualification to that tender.

3. We are attaching with this letter, the copies of original documents defining: -
 - a) The Respondent's legal status;
 - b) Its principal place of business;
 - c) Its place of incorporation (if respondents are corporations); or its place of registration (if respondents are cooperative institutions, partnerships, or individually owned firms);

Expression of Interest

- d) Self-certified financial statements of Last three years, clearly indicating the financial turn over and net worth.
- e) Copies of any project undertaken for the last 5 years, in any Govt. Department.
4. We shall assist Irrigation and waterways Department, Govt. of West Bengal or its authorized representatives to obtain further clarification from us, if needed.
- a) **Executive Engineer of Metropolitan Electrical Division**, authorized representative, may contact the following nodal persons for further information on any aspects of the Response :

Sl No.	Contact Name	Address	Telephone	E-mail

5. This application is made in the full understanding that:
- a) Department Reserves the right to reject or accept any or all applications, cancel the EOI and subsequent bidding process without any obligations to inform the respondent about the grounds of same .
- b) We confirm that we are interested in participating in the selection process through this EOI.
6. We certify that our turnover and net worth in the last three years is as under:

Financial Year	Turnover	Net worth

7. In response to the EOI, we hereby submitting the following details annexed to this application:
8. The undersigned declare that the statements made and the information provided in the duly completed application are complete, true, and correct in every detail. We also understand that in the event of any information furnished by us being found later to be incorrect or any material information having been suppressed, may delete our name from the list of potential bidders. We further understand that Irrigation and waterways Department, Govt. of West Bengal will give first preference to the applicants considered relevant for the purpose.

Yours sincerely,

(Sign)

Name

In the Capacity of Duly
authorized to sign

The response for and on behalf of

Enclo: B.O.Q format.

Sd/-
Executive Engineer
& TA to
Superintending
Engineer,
Mechanical &
Electrical Circle

Expression of Interest

Memo No: 640/1(4)/8E-173

Date: 16.10.2025

Copy Submitted for information and kind necessary action to:-

- 1) The Secretary to the Govt. of West Bengal, I&W Department.
- 2) The Chief Engineer-in charge (M&E), I&W Directorate, Govt of West Bengal
- 3) The Joint Secretary (Works) to the Govt of West Bengal, I&W Department.
- 4) The Deputy Secretary (Works) to the Govt of West Bengal, I&W Department.

**Executive Engineer & TA to
Superintending Engineer
Mechanical & Electrical Circle,
Irrigation & Waterways Directorate
Government of West Bengal**

Memo No: 640/1(4)/2(5)/8E-173

Date: 16.10.2025

Copy forwarded for favour of kind information to:

- 1) The Executive Engineer, Metropolitan Electrical Division.
- 2) The S.D.O./Assistant Engineer, Metropolitan Electrical Division.
- 3) The Estimating Section, Metropolitan Electrical Division
- 4) The Accounts Section, Metropolitan Electrical Division.
- 5) Notice Board of Metropolitan Electrical Division.

**Executive Engineer & TA to
Superintending Engineer
Mechanical & Electrical Circle,
Irrigation & Waterways Directorate
Government of West Bengal**

EOINo.WBIW/EETAtose/MEC/eEOI04/25-26 Name of Work: Construction of an 800 cusec storm water drainage pumping station along with allied Civil and electro-mechanical work over Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.[PART-II(Estimate of M&E Works)].

Sl.No.	Description of Work	Qty.	Unit	Proposal by the Bidder				
				Description of Item/ work proposed by the bidder(for budget quotes)	Quantity (for budget quotes)	Unit(for budget quotes)	Rate Rs. (for budget quotes) excluding GST.	GST rates applicable
1.	See at BOQ folder							

Validate

Print

Help

BoQ (Form Based)

Tender Inviting Authority: Executive Engineer & TA To Superintending Engineer,Mechanical & Electrical Circle,Irrigation & Waterways Directorate,Government of West Bengal

Name of Work:Construction of an 800 cusec storm water drainage pumping station along with allied Civil and electro-mechanical work over Howrah drainage Canal at Nazirganj HMC P.S Sankrail, Dist: Howrah.[PART-II(Estimate of M&E Works)]

Contract No: WBIW/EETAtSE/MEC/eEOI04/25-26

Name of the Bidder/ Bidding Firm /											
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)											
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST (If applicable in Percentage)	GST Amount in Rs. P	HSN / SAC Code	TOTAL AMOUNT excluding taxes in Rs. P	TOTAL AMOUNT including taxes Rs. P	TOTAL AMOUNT In Words
1	SECTION-A (PUMP)										
2	Supply, installation, testing and commissioning at site of split case vertical execution (end suction & side discharge) non clog centrifugal sewage pump set, extended shaft upto 5mtr and supporting arrangement with integral bend (SITC of suction Bowl, Puddle pipe , Bend and brick work related with installation work to be included in the scope of work) (Make:- Wilo / Kirloskar/ Grundfos/ Flyght/ Sulzer/ ABS/KSB/ Substantially equivalent). a) Pump capacity-5100 m3/hr (each) b) Pump efficiency=Guaranteed overall efficiency of pump shall be minimum 80% c) AOR capacity=80-120% d) TDH (Duty Point)= 5 mtr (TDH range required= 3.5 m to 6.0 M) e) Maximum static head=3.5 mtr f) Minimum static head=0.5 mtr. g) Motor speed =360 r.p.m.(Maximum) h) Solid handling capacity=upto 100mm Hydraulic Data. Sump floor level=R.L (-) 0.840 M (GTS), MWL/ Pump stop level=(+) 1.0 mtr FDL= (+) 1.57 mtr, Distance of centre line of pump from back wall=2500 mm Material Diffuser casing: Cast Iron IS:210, FG 260/EN-GJL-250/ BS:1452, FG-260 Impeller: ASTM A351 Grade CF8M Shaft: SS ASTM A276 Type SS 410. Motor housing: Cast iron IS:210, FG 260/ EN-GJL-250/BS: 1452, FG 260	16.00	Each	0.00			0.00		0.00	0.00	INR Zero Only

[illegible]

[illegible]

17.01	External Coating Providing and applying 100% Solids Polyurethane Coating meeting BIS16719 & Rigid, Directto Metal,100% Solids Polyurethane Coating meeting AWWA C-222 of minimum 1000 micron thickness on the external surface of MS Pipe after blast cleaning to SA 2½ with Anchor profile of >75Microns using angular Steel Grit. Pipe blast cleaning and coating shall only be permitted in the pipe manufacturer's facility, preferably on rolling conveyor using fast set materials. The rates are including loading, unloading, handling and transportation of Pipe etc complete.	3018.00	Sqm	0.00			0.00		0.00	0.00	INR Zero Only
17.02	Internal Coating Providing and applying 100% Solids Polyurethane Coating meeting BIS 16719 & Rigid, Directto Metal,100% Solids Polyurethane Coating meeting AWWA C-222 and satisfying the criterionfordrinking water as per WRAS-BS 6920 to a thickness of 500 Microns (SSPC PA2) on theinternal surface of MS Pipe afterblast cleaning to SA 2½ with Anchor Profile of >75 Microns Using angular Steel Grit.The Coating should meetTotal Organic Carbon (TOC) as per APHAWWAWEF5310C < 2.00 milligram/ Litre. Pipe lining shall only be permitted in the pipe manufacturer's facility. Site application shall not be permitted. The rates are including loading, unloading, handling and transportation of Pipe etc complete.	3018.00	Sqm	0.00			0.00		0.00	0.00	INR Zero Only
18	Providing and applying pipe coating of fibres, coal tar and solvent based rubber modified bituminous primer of density 0.92 gms/cu and viscosity of 1000-2000 cps @ 150gms/sqm followed by seven layers (4mm thick) of polythene polymersided bitumen and polyster of coal 7 layers) pipe coat 4 mm should conform to requirement of IS-10221 and AWWA C-203 for prefabricated tapes including covering cost on pipe coating. Rates shall include cost of material coating and wrapping over the pipes, handling charges, preparation of pipe surface, all labour, material, charges, preparation of pipe surface, all labour, material etc as directed by the Engineer-in-Charge.	2037.00	Sqm	0.00			0.00		0.00	0.00	INR Zero Only
19	Laying of pipe DN 1800 mm throug Road crossing by adopting trenchless technology tunnelling work through specialized pipe jacking method by erecting the equipment to true to the alignment and gradient, by hydraulic pipe jacking technique complete including tunnelling, excavation in all types of soils including hard rock and construction of RCC chambers suitable to casing pipe pits, and conveyance charges of machinery and other required materials including cost of coated MS encasing pipe (not less than 16mm thk.), in co-ordination with the concerned authorities as per approved drawings and directed by the Engineer-in-Charge.	100.00	MTR	0.00			0.00		0.00	0.00	INR Zero Only

[illegible]

[illegible]

36	Supply,delivery, storing at site, installation, testing & Commissioning of 2.5 MVA, 33 KV/0.433 KV, 3 phase, 50 Hz Δ/Δ, Dyn 11 outdoor ONAN type transformer in IP 55 enclosure with copper windings, OFF load tap changing arrangement in steps of + 1-2.5% & - 7.5%, having HTcable end boxes with cable gland plate suitable for terminating 33KV,3C x 240 sqmm XLPE/ ARMD, AL cables X 2 Nos for primary side and4000....Amp,160.....KA breaking capacity (100% Neutral busbar) Bus Duct on the secondary side, three channel temperature scanner for continuous monitoring of the windings , with supply of all associated materials and accessories like oil conservator, silica gel breather,Bucholtz Relay, mounting channels bolts ,nuts washers, screw, clamps, painting, earthing etc.and confirming to IS- 1180 (Level-1) and as per specification as laid down in the contract complete in all respect as required at site including construction of required size CC pedestal. Make- Schneider/ KEC /CGL/ABB/Automatic Electrogear/Century/True Volt.	3.00	Nos	0.00		0.00		0.00	0.00	INR Zero Only
37	SITC of 33 KV, 800 Amps 4 PANEL with 33 KV, 800 Amps 31.5 KA VCB switchgear along with Panel top moounted P.T. as per enclosed specification. 1 no. Incomer feeder & 3 nos. Outgoing feeder. Make- Siemens, Pascal, Schneider,ABB) RATING: 1250A BUSBAR 1250A COPPER (31.5KA for 3sec) - 1no A: MOVING PORTION: A1: 33KV, 800A, 31.5 KA for 3sec VCB - 1no A2: VCB Enclosure + 800A Copper connections - 1no A3: 800A PVC sleeved Copper Bus Bars -1no B: CT AND PT DETAILS: B1: 2 Core CT: CTR: 400/5A+5A - 3nos CORE 1: For metering, class-0.5, 15Va CORE 2: For Protection, Class-5P10, 15VA B2: 3 Nos 1Phase PTR: 33KV/v3/110V/v3, Cl. 1 50VA (Panel top mounted PT) (Drawout type) - 1no C: BREAKER PANEL INDICATION LAMPS: C1: BREAKER On/OFF/Trip circuit Heathy/ Spring charge indication/ Breaker test position/ Breaker service position.- 6nos C2: R-Ph./ Y-Ph./ B-Ph. -3nos D: SWITCHES AND OTHER ACCESSORIES: D1: AC ON/ OFF Switch-1no D2: Auxiliary contactor (2NO + 2NC) - 1no D3: Heater with heater switch & thermostat -2nos D4: Cubicle illumination lamp-1 D5: 15A, 230V, 3 pin plug & socket and MCB -1no D6: Local Remote Switch -1no	1.00	Set	0.00		0.00		0.00	0.00	INR Zero Only

39.01	Material List : i) Supply of Air Circuit Breaker confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based having overload, short circuit and earth fault protection with display and 20 faults History backup with BMS compatible communication ports. Makes: As per list of recommended brands as category I 3200A, 4 Pole, 75kA electrically operated, manually draw out type..... 1 No ii) ON/OFF Indication Lamp (RYB) 4 Nos iii) 2A SP MCB C Curve 4 Nos iv) 4000/5 A Current Transformer 3 Nos v) Moving iron type analog AC ammeter with selector switch 1 No vi) Moving iron type analog AC voltmeter with selector switch 1 No vii) 200 mm x 15 mm Cu tinned busbar (for I/C & O/G of ACB)..... 4 Nos viii) Base frame made with ISA 100 x 10 (As per enclosed drawing)	3.00	Set	0.00			0.00		0.00	0.00	INR Zero Only
40	Supply Installation Testing and commissioning of self-healing MPP/MP type shunt capacitor (banks) conforming to IS:13340-41 / IEC :831-1&2 in existing panel or parallel with load terminals , the capacitor shall be fitted with discharge resistors, pressure sensitive disconnecter (PSD) and shall have dissipation factor less than 0.0025 at 50 Hz and total wattage loss less than 0.5 Watt per KVAR. including making connections with suitable capacity conductors/cables testing as required. Makes: As per list of recommended brands. i) Heavy duty Three phase 440 V, 50 Hz capacitor (Bank) 50 KVAR (Note : Capacitors should be able to withstand 110% of rated voltage and 130% of rated current)	22.00	Set	0.00			0.00		0.00	0.00	INR Zero Only

41	ABB Motor Control Center Panel Incomer MCCB 400A AUTO TRANSFORMER 160KW or equivalent Star-Delta starter Standard Features: Incomer MCCB 400A 3P 50KA Equipped with door handle interlocked with panel door Starter is equipped with Local/Remote Start and Running Signal feedback All Wires are are colored and numbered Suitable Enclosure IP55 Components List: 1 X ABB.1SDA054929R1: ROTARY HANDLE T4-T5 F/P STAND. RETURNED 4 X ABB.2CDS271011R0064: Miniature Circuit Breaker – 1P – C – 6 A 1 X ABB.1SFL427001R1311: AF116-30-11-13 Contactor 1 X ABB.1SFL587002R1311: AF305-30-11-13 Contactor 2 X ABB.1SFN010820R1011: CAL19-11 Auxiliary Contact Block 1 X ABB.1SDA100490R1: XT5H 400 Ekip Dip LS/I In=400 3p F F 1 X ABB.1SFL547002R1311: AF265-30-11-13 Contactor Approximate Weight: 259.26 KG Approx Dimensions (WxHxD): 100x140x30 cm	22.00	Nos	0.00			0.00		0.00	0.00	INR Zero Only
42	Supply, fixing, testing & commissioning wall/floor mounted LT panel primer coated with powder coated paint &provided with required gasket for dust/vermin proof with degree of protection IP42 suitable for 415Volt 3phase, 50 Hz, 4 wire system fabricated out of CRCA sheet up to 2 mm thick (1.6mm for doors) duly compartmentalized for incomer, bus section, outgoing, cable alleys & CT, PT Ampere , Volt , selector switches, frequency , phase indicating lamp, Energy complete including cost of busbar supports, detachable cable gland plates,2 earthing terminals, internal wiring &fixing of separately supplied MCBs, MCCBs, ACB, panel mounted changeover switch/SFUs, etc. as required but excluding cost of busbar strips, Ampere , Volt , selector switch as per approved design & specification Size of Panel = 13850(L) x 4620(W) x 1000 (D) with bottom support made by ISMC 125 X 125 X 65 (5 mm thk) Material List : i) Air Circuit Breaker confirms to IS 13947-2, IEC 60947-2 and BS-EN 60947 with Micro processor based Makes: L & T 4000A, 4 Pole, 75kA (MDO) with RYB, Trip & Trip Ckt healthy indication = 5 Nos ii) DN MCCB Range [8536] DN3-630M, 630A, Make : L & T with both side spreader link and RYB indication lamp = 24 Nos iii) DN MCCB Range [8536] DN0-125D, 100-125A Make : L & T with both side spreader link and RYB indication lamp = 6 Nos iv) 2A SP MCB C Curve make : L & T = 120 Nos v) ON/OFF Indication Lamp Gen Next LED Indicator [8531] Make L & T 240A - 240 VAC = 120 Nos	1.00	Job	0.00			0.00		0.00	0.00	INR Zero Only

42.01	vi) Supply of 0 to 600V range moving iron type analog AC voltmeter (accuracy class 1.5), model-SMI-96 with selector switch = 24 Nos vii) Supply of voltmeter selector switch Votage between phases with OFF, 4 Pos. 90° angle of throw (OFF-RY-YB-BR) with Voltmeter selector switch = 24 Nos viii) 4 Core 70 sq mm Copper Power Cables Unarmoured 2XY = 30 Mts ix) Supply of indoor tape insulated ring type low tension current transformer of following rating 500/5A 15VA, CI 1.0 = 72 Nos x) 3 Nos 4000/5 A CT, CI 1.0 = 9 Nos Size of Bus Bar (Main) Dropping Bus Bar for connection of ACB & Bus Coupler Dropping Bus Bar for Outgoing MCCBs = 280 X 10 X 2 RUN/ ph + 280 X 10 X 1 RUN/ N Size of MCCB Bus Connector (for I/C & O/G) = 75X 8 X 1 RUN for each Ph and N										
43	LT Control Cables Copper Control Cables, Solid Copper Conductor upto 6 sq. mm & Balance Stranded Copper, XLPE Insulated, Cores Laid Up, PVC Innersheathed, Armoured, 650 V/1100 V Grade as per IS 7098 (Part 1) 1988.										
43.01	3C, ARMOURED - 2XWY/2XFY 2.5 sq. mm	400.00	Mts	0.00			0.00		0.00	0.00	INR Zero Only
43.02	Brick work in C.M 1:5 mix including all labour charges etc complete	300.00	Mts	0.00			0.00		0.00	0.00	INR Zero Only
43.03	12C, ARMOURED - 2XWY/2XFY 2.5 sq. mm	200.00	Nos	0.00			0.00		0.00	0.00	INR Zero Only
43.04	10C, ARMOURED - 2XWY/2XFY 2.5 sq. mm	200.00	Mts	0.00			0.00		0.00	0.00	INR Zero Only
43.05	5C, ARMOURED - 2XWY/2XFY 2.5 sq. mm	200.00	Mts	0.00			0.00		0.00	0.00	INR Zero Only
44	Supply and fixing of 25 x 6 mm G.I flat on parapet / roof/ plinth/ surface of wall for lightning conductor as required (for horizontal runs) with 40 mm long G.I staples .	800.00	Mts	0.00			0.00		0.00	0.00	INR Zero Only
45	Supplying and fixing of 25 x 6 mm G.I flat for vertical run with G.I saddles	800.00	Mts	0.00			0.00		0.00	0.00	INR Zero Only
46	Supply and providing for making soldered joints between conductor/ down pipes/other metallic objects with 25x 6mm G.I flat including supply of jointing materials and painting with two coats bituminous paint	50.00	Mts	0.00			0.00		0.00	0.00	INR Zero Only

[illegible]

54	Supplying and installation of 500V 8 way TPN MCB double door type Distribution board with incoming isolator and outgoing MCBs including separate TPN copper busbars, earth busbar setc. suitable for single and multiple pole MCBs complete with all inter connection in manufacturers MS (IP 44) enclosure suitable for flushed fitted in wall, danger board and all other accessories including supplying of all accessories, earthing, painting etc. and comprising the following: Note: MCBs shall be 10 KA short circuit rating (min). Make- Siemence/Legrand/ Havells. 8 way -TPN Distribution Board 1No - Incoming 125A 4 Pole MCCB with spreader links 9 Nos - 32 A SP MCBs 12 Nos.-16 A SP MCBs Complete set as stated above	6.00	Nos	0.00			0.00		0.00	0.00	INR Zero Only
55	Supplying and installation of 250 V SPN MCB double door type Distribution board with incoming isolator and outgoing MCBs including separate TPN copper bus bars earth bus bars etc. suitable for single pole MCBs complete with all inter connection in manufacturers MS (IP44) enclosure suitable for flushed fitted in wall, danger board and all other accessories including supplying of all accessories earthing and painting etc. and comprising the following: Note: MCBs shall be 10 KA short circuit rating (min), Make- Siemence/Legrand/ Havells. 10-way SPN Distribution Board with 1No.- incoming 40A DP, 10KA, MCB 5 Nos.-16 A SP MCBs 5 Nos.-6 A SP MCBs Complete set as stated above	20.00	Nos	0.00			0.00		0.00	0.00	INR Zero Only
56	Supply of junction box of size 150 X 150 X 50 mm made from 1.6 mm thick MS sheet with terminal.	50.00	Nos	0.00			0.00		0.00	0.00	INR Zero Only
57	Supplying and Fixing following Indoor Industrial High bay luminaires on top of masonry structure by 3 Nos. 10 mm dia. x 87 mm long rag bolts, nuts & double washers complete either 37 mm x 10 mm MS flat support/or by other means as required. (a) BY325P LED100S CW PSE GR FG WB PB, Make: Philips.	100.00	Each	0.00			0.00		0.00	0.00	INR Zero Only
58	Supplying & Fixing only 4'(ft) LED light BN 108C LED 20S PSU CDL, WH, Philips make or equivalent) fitting complete with all accessories directly on wall/ceiling by screws etc.	100.00	Each	0.00			0.00		0.00	0.00	INR Zero Only
59	Supplying and Fixing following outdoor luminaires or MV light fitting complete with all accessories to be fixed /projected from the wall of the building incl. making holes/providing clamping arrangement & necy. GI reducer as required. S&F 40 mm GI pipe (ISI-Medium) quality 1.5 mts. average length having suitable bend S&F necy. length of 1.5 sq.mm PVC insulated single core stranded annealed copper wire and making connections as required and mending good damages to wall incl. painting etc.										
60	Type-BRP409 LED 065CW HEMRFGSI PSU GR, Philips make or	20.00	Nos	0.00			0.00		0.00	0.00	INR Zero Only

59.02	Type-BVP410 LED 210 CW HE NB FG S3 XT, Philips make or equivalent.	10.00	Nos	0.00			0.00		0.00	0.00	INR Zero Only
60	Supply and fixing of MS fan hook box of dimension 200 mm (dia) x 50 mm (depth) with ms rod of 12mm dia and 300mm length properly curved to suspend ceiling fan form RC ceiling as per specification and direction of engineer.	30.00	Nos	0.00			0.00		0.00	0.00	INR Zero Only
61	Supplying fitting fixing fabrication of MS ladder tray, hanger, masonry trench cover fabricated with MS angle, chanel, flats etc with painting for cable and electrical accessories.	5000.00	Kg	0.00			0.00		0.00	0.00	INR Zero Only
62	PART D : LAYOUT DRAWING & CONNECTION CHARGES										
63	Making layout plan of substation, Highvoltage testing of all H.V. equipments, calibration and testing of relays for commissioning of installation, submission of test report to Directorate of Electricity& obtaining of approval from D.O.E. (LS)	1.00	Job	0.00			0.00		0.00	0.00	INR Zero Only
Total in Figures									0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only									

