



DEENDAYAL PORT AUTHORITY
Off-Shore Oil Terminal Department- Vadinar



Tender Notice No. OOT/MandE/503/UGCBLWRK/2025
Online Tender for the work of

Conversion of Overhead Power Distribution System to Underground Cabling Power Distribution System in Port Colony OOT, Vadinar

PORT OFFICE

Executive Engineer [M&E],
Off-Shore Oil Terminal Department, AO Building, Deendayal
Port Authority, Vadinar – 361010, Gujarat State.

Email: megr1.oot@deendayalport.gov.in / garagesectionoot@gmail.com

INDEX

Sections		Tender Clauses
Section - 1	:	Tender Notice
Section - 2	:	Instruction to Bidders
Section - 3	:	Forms to be submitted by Bidders with their Bids and to be used by successful Bidder
Section - 4	:	Commercial Terms & Conditions
Section - 5	:	General Conditions of Contract
Section - 6	:	Price - Bid
Section - 7	:	Drawing
Section - 8	:	Special Conditions for this particular work

Section -1 Tender Notice

1.1 – Tender notice no. - OOT/MandE/503/UGCBLWRK/2025

Offshore Oil Terminal Department, DPT, Vadinar invites tender through Online E-tendering system for the work of "Conversion of Overhead Power Distribution System to Underground Cabling Power Distribution System in Port Colony OOT, Vadinar"

Earnest Money Deposit	Bid Security Declaration to be submitted in prescribed format
Invitation of Tender	<u>19/06/2025</u>
Last date and time of downloading	<u>18/07/2025</u> up to <u>14:00</u> hours
Last date and time of submission of e-tender only on website: www.nprocure.com	<u>18/07/2025</u> up to <u>14:30</u> hours
Date and time of opening of e-tender	<u>18/07/2025</u> at <u>15:00</u> hours
Tender shall be downloaded from website: www.nprocure.com ; www.deendayalport.gov.in and www.eprocure.gov.in	
Corrigendum, if any, will be placed on website www.nprocure.com	

1.2	Notice Inviting Online Tender
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Department Name	Off-shore Oil Terminal Department-Vadinar
Division	M&E Division
Tender Notice No.	OOT/MandE/503/UGCBLWRK/2025
Name of work	Conversion of Overhead Power Distribution System to Underground Cabling Power Distribution System in Port Colony OOT, Vadinar
Period of Contract	120 Days
Bidding Type	Open
Bid Call (Nos.)	One
Tender Currency Type	Single Currency
Tender Currency Settings	Indian Rupee (INR)
Joint Venture	Not Applicable
Rebate	Applicable
Estimated Cost	Rs. 1,19,41,900/-
Bid Document Fee	Rs.1,180/- [including GST]
Bid Document Fee Payable To	Tender Fee to be paid via digital mode of payment.
Bid Security/EMD (INR)	Rs. 1,19,000/-
Bid Security/EMD (INR) in favour of	EMD to be paid via digital mode of payment.
Bid Document Downloading Start Date	<u>19/06/2025</u>
Bid Document Downloading End Date and Time	<u>18/07/2025 up to 14:00 hours</u>
Date & time of Pre Bid Meeting	Not Applicable
Place of Pre Bid Meeting	Not Applicable
Last Date & Time for Online submission of Bids	<u>18/07/2025 up to 14:30 hours</u> www.nprocure.com
Bid Validity Period	120 Days
Remarks	Not Applicable
Preliminary Bid Opening Date and Time	<u>18/07/2025 up to 15:00 hours</u>
Technical Bid Opening Date and Time	<u>18/07/2025 up to 15:30 hours</u>
Commercial Bid (price bid) Opening Date	Will be intimated to the technically qualified bidders
Documents required to be submitted by scanning through online.	a. EMD & Tender fee to be paid via digital mode of payment. b. Documents required under Section – 2.4
Officer Inviting Bids	Executive Engineer [M&E]
Bid Opening Authority	Executive Engineer [M&E]
Address	M&E Division, Off-Shore Oil Terminal Department, First Floor, AO Building, Vadinar – 361010, Gujarat

Eligibility criteria: The Bidder shall fulfill the following Pre-Qualification Criteria and submit the relevant documents along with the bid. Bidder's offer is liable to be rejected, if they don't upload any of the certificates / documents sought, with reference to these eligibility criteria as mentioned below and Corrigendum if any:

a. **Bid Security / EMD:**

Rs. 1,19,000/-

Bidders may submit the EMD through Account Payee Demand Draft or NEFT/RTGS or online payment. For the said purpose, the below mentioned account details to be used.

Beneficiary name: Deendayal Port Authority
 Account No.: 325310100002572
 IFSC Code: BKID0003253
 Bank Name: Bank of India
 Branch address: KANDA PORT TRUST STAFF COLONY,
 SHOPPING CENTRE NO. 5,
 VADINAR 361010.

Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of online transfer and to upload the proof.

Exemptions are allowed as per Rule 170 of GFR 2017 as well as the Terms and Conditions subject to submission of the relevant supporting documents.

In case of Micro and Small Enterprise (MSEs) holding valid certificate issued by any agencies/organization under The Ministry of Micro, Small and Medium Enterprises indicating the list of activity related to the subject tender as per National Industrial Classification - 2008 mentioned in the table below **shall only become eligible for exemption from payment of EMD**. Such bidder shall upload the scanned copy of valid certificate in the bid.

Level	Description
Section - C	Manufacturing
Division - 27	Manufacture of electrical equipment
Group - 271	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
Class - 2710	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
Sub Class - 27104	Manufacture of electricity distribution and control apparatus (electrical apparatus for switching or protecting electrical circuits (e.g. switches, fuses, voltage limiters, surge suppressors, junction boxes etc.) for a voltage exceeding 1000 volts; similar apparatus (including relays, sockets etc.) for a voltage not exceeding 1000 volts; boards, panels, consoles, cabinets and other bases equipped with two or more of the above apparatus for electricity control or distribution of electricity including power capacitors.)

And / Or

Level	Description
Section - C	Manufacturing
Division - 27	Manufacture of electrical equipment
Group - 273	Manufacture of wiring and wiring devices
Class - 2733	Manufacture of wiring devices
Sub Class - 27331	Manufacture of switch, switch box, lamp holders, lugs etc.
Sub Class - 27339	Manufacture of other wiring devices and fittings n.e.c.

And / Or

Level	Description
Section – D	Electricity, gas, steam and air-condition supply
Division – 35	Electricity, gas, steam and air-condition supply
Group – 351	Electric power generation, transmission and distribution
Class – 3510	Electric power generation, transmission and distribution
Sub Class – 35109	Collection and distribution of electric energy to households, industrial, commercial and other users n.e.c.

And / Or

Level	Description
Section – F	Construction
Division – 43	Specialized construction activities
Group – 432	Electrical, plumbing and other construction installation activities
Class – 4321	Repair of household appliances and home and garden equipment
Sub Class – 43211	Installation of electrical wiring and fittings
Sub Class – 43213	Installation of street lighting and electrical signals
Sub Class – 43219	Other electrical electrical installation n.e.c.

- b. **Financial Standing:** Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least **Rs. 35,82,570/-** as certified by the Chartered Accountant. Financial turnover document to be CA certified with CA's stamp, signature and UDIN no. along with the membership no. and necessary documents for verification of turnover failing which the bid will be treated as nonresponsive.
- c. **Experience:** Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:
- Three similar completed works, each costing not less than the amount equal to **Rs. 47,76,760/-**
OR
 - Two similar completed works, each costing not less than the amount equal to **Rs. 59,70,950/-**
OR
 - One similar completed work, costing not less than the amount equal to **Rs. 95,53,520/-**
- iv. "Similar work" means "The bidder shall be in the business of Supply and / or Installation and / or Testing and / or Commissioning and / or Maintenance and / or rate contract of HT or LT Electrical Distribution Systems including HT or LT cables / laying of HT or LT cables / SITC of HT or LT distribution panels / etc."

Work Order and Completion Certificate in respect of the successfully completed similar work, to be uploaded. The completion certificate should invariably mention the reference number, work order, the date of completion of work and amount of work done.

In Case the similar work has been issued for any private body, the bidder should produce the tax deducted at source [TDS] Certificate indicating the income tax deducted by the client for the similar work, which will form the basis for assessing the value of completion of work. Along with the TDS certificate, a statement should be submitted giving details showing the name of the client, gross amount of the work, TDS amount and net payment received. The statement should be signed by the Chartered Accountant.

The required bidding document should be scanned in high quality pdf. The scanned copy should be clear and visible. The scanned pdf file should invariably be given specific name and separately uploaded for its identification e.g. turn over certificate etc.

- d. **Integrity Pact:** The Integrity Pact **duly filled up and signed by authorized person(s) along with witnesses** is to be submitted by the bidders along with the tender documents as per the format provided in form – 13. Bidders are required to fill up and sign the integrity pact, failing

which their bids shall be liable for rejection. Witness 1 is for the "principal" i.e. "Deendayal Port Authority" and the witness 2 is for the bidder / contractor.

Note: This integrity pact shall be filled up in all blanks on the first page, (i.e. name of the bidder and Tender no.) and signed by authorized signature of bidder with witness. Please note the bid is liable to be rejected without seeking any clarification if not complied with the above (i.e. if not properly filled up, signed by authorized signatory and signed by witness). Hence, bidders are requested to upload integrity pact duly complying with the above.

Instructions for uploading the documents requested: There should not be any bulk scanning and uploading of all the requested documents. No unrelated document should be scanned and included with the specific set of scanned documents. The document related to eligibility criteria should invariably be scanned and uploaded on bidding portal. The scanned copy should be clear and visible.

For example, along with work/supply order its related documents such as completion certificate and performance certificate can be bulk scanned and uploaded. In case along with the documents related to similar work experience, the bidder also scans and includes average annual turnover certificate or any other documents and uploads it, DPA will not be responsible for finding and tracing out the same in all the scanned documents uploaded by the bidder on bidding portal.

NOTE:

In case, bidders need any clarifications or if training is required to participate in online Tenders, they can contact (n) Procure Support team at following address:(n) code Solutions-A division of GNFC Ltd., (n)Procure Cell 403, GNFC Info tower, S.G. Road, Bodakdev, Ahmedabad – 380054 (Gujarat)

Contact Details:

Airtel: +91 – 79 – 40007501, 40007512, 40007516, 40007517, 40007525

BSNL: +91 – 79 – 26854511, 26854512, 26854513[EXT: 501,512,516,517,525]

Reliance: +91 – 79 – 30181689; Fax: +91 – 79 – 26857321, 40007533

E-mail:nprocure@gnvfc.net

TOLL FREE NUMBER: 1-800-233-1010 [EXT: 501, 512, 516, 517, 525]

2. Section – 2: Instruction to Bidders

2.1. Scope of Bid:

2.1.1. Deendayal Port Authority (hereinafter referred to as the employer) intends to receive bids from the interested eligible bidders for the work as mentioned in the Notice Inviting Tender (NIT). All bids shall be completed and submitted to Deendayal Port Authority in accordance with the instructions to the bidders.

2.1.2. The successful bidder will be expected to complete the works by the intended completion period.

2.2. Source of Funds: The employer has arranged the funds from the internal resources and will have sufficient funds in Indian Currency for execution of the work.

2.3. Eligible Bidders:

2.3.1. Only eligible bidders fulfilling all the requirements as mentioned in the Notice Inviting Online Tender may participate in the subject Tender. Successful completion of "Similar Works" only shall be considered for evaluation of eligibility criteria.

2.3.2. The invitation for Bids is open to all eligible bidders meeting the eligibility criteria as defined in clause regarding Eligibility Criteria.

2.3.3. Government-owned enterprises may participate if they are legally and financially autonomous, operate under commercial law and are not a dependent agency of the employer subject to fulfilment of Minimum Qualifying criteria.

2.3.4. Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the employer.

2.4. Eligibility Criteria [documents/forms to be submitted]

2.4.1. The Tenders shall fulfil the following pre-qualification criteria:

FINANCIAL		
Sr. No.	Particulars	Supporting Documents
1.	Average annual financial turnover during the last three years ending 31 st March of the previous financial year should be Rs. 35.82 Lakhs.	The average annual financial turnover certificate should be issued by any Chartered Accountant with CA's stamp, signature and UDIN no./ membership no. along with necessary document for verification of turnover failing which the bid will be treated as non-responsive.
TECHNICAL		
2.	Experience of having successfully completed similar works during last 07 years ending last day of month of previous to the one in which applications are invited should be either of the following: (i) Three similar completed works each costing not less than the amount equal to Rs. 47.76 Lakhs. Two similar completed works each costing not less than the amount equal to Rs. 59.70 Lakhs. One similar completed works costing not less than the amount equal to Rs. 95.53 Lakhs.	(a) A copy of the completion certificate/ Form 3A in respect of the successfully completed similar work. The completion certificate should invariably mention the reference number, work order, the date of completion of work and amount of work done. (b) A copy of work order should also be submitted for which the bidder is submitted the completion certificate.

3.	Definition of Similar work	<p>"Similar work" means "The bidder shall be in the business of Supply and / or Installation and / or Testing and / or Commissioning and / or Maintenance and / or rate contract of HT or LT Electrical Distribution Systems including HT or LT cables / laying of HT or LT cables / SITC of HT or LT distribution panels / etc."</p> <p>during last 7 years ending last day of month previous to the one in which applications are invited. If the bidder has executed the work in private organization, necessary TDS certificate issued by the private organization shall be submitted. If the similar work is executed as sub- contractor, it is mandatory to upload the sub-contract permission letter obtained from the Govt./ Public sector, or from the owner of the project in case work belongs to private organization. Also, the completion certificate/ Form 3A authenticated by concern Govt. / Public sector officer or owner of the project shall be uploaded along with TDS certificate deducted from that particular work issued by the competent authority shall be submitted along with bid submission.</p>
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2.4.2. The bidder shall scan and forward the following documents/Forms with their bid:

- 2.4.2.1. **Tender Fee Receipt:** Tender Fee applicable to be paid via digital mode of payment. The scanned copy of document proof of payment shall be submitted in online and hard copy to be submitted to address given above within 7 days of opening of technical bid.
- 2.4.2.2. **Earnest Money Deposit Receipt:** NEFT/RTGS or any others electronic mode of the payment.
- 2.4.2.3. **Average Annual Financial Turnover:** Average annual financial turnover duly attested by any Chartered Accountant.
- 2.4.2.4. **Work Order:** Work Order at par with the monetary limit and specification as mentioned under clause no. 2.4.1 above.
- 2.4.2.5. **Completion Certificate:** Completion certificate for similar work order as mentioned under clause no. 2.4.1 above.
- 2.4.2.6. **TDS Certificate:** TDS [Tax Deducted at Source] Certificate towards Tax deducted against similar work as mentioned under clause no. 2.4.1.
- 2.4.2.7. **PAN Card:** Scanned copy of PAN Card.
- 2.4.2.8. **GST Registration:** Scanned copy of GST Registration.
- 2.4.2.9. **PF Certificate:** Scanned copy of PF Certificate.
- 2.4.2.10. **Status of Firm:** Copies of original documents defining the constitution or legal status, place of registration, and principal place of business, written power of attorney of the signatory of the Bid to commit the Bidder.
- 2.4.2.11. **Details of Firm: Form-1** duly filled-in to be uploaded.
- 2.4.2.12. **Specimen of Application:** To be executed on Letter Head of Bidder as per **Form-2**.
- 2.4.2.13. **Details of Finance Stability: Form-3** duly filled-in to be uploaded.
- 2.4.2.14. **Format for Declaration:** To be executed on Letter Head of Bidder as per **Form-4** towards "an undertaking that they will comply to the specifications of the work including terms and conditions in total without any deviation" and "A certificate by the bidder that they have not been banned/black-listed by any Government Agency".
- 2.4.2.15. **Letter of Authority for submission of Bid:** Power of Attorney [duly accompanied by resolution of Board in case of company] authorizing for submission of bid in non-judicial stamp paper as per **Form-5**.
- 2.4.2.16. **Financial Standing:** Report of Financial Standing of bidder such as balance sheet, Profit and Loss Statement and auditor's report for past three years.
- 2.4.2.17. **Undertaking in support of credentials:** Bidder should give an undertaking on Letter Head of Bidder duly stating that the documents submitted in support of credentials are genuine and DPA is at liberty to take any action against the bidder, if the said documents are found to be non-genuine.
- 2.4.2.18. **Exception & Deviations:** To be executed on Letter Head of Bidder as per **Form-6**.

- 2.4.2.19. **Information regarding litigation:** Information regarding any litigation, current or during the last five years, in which the Bidder is involved, the parties concerned, and disputed amount to be executed on Letter Head of Bidder as per **Form-7**.
- 2.4.2.20. **Similar Completed Works:** A statement showing similar completed works as defined in the Tender Documents during last 07 years as per **Form-8**.
- 2.4.2.21. **Sub-contractors:** A statement showing proposed subcontractors and firms involved as per **Form-9 [Not Applicable to this work]**.
- 2.4.2.22. **Existing/on-going works:** A statement showing existing commitments and on-going works as per **Form-10**.
- 2.4.2.23. **Bank Payment Agreement Form:** To be executed on Letter Head of Bidder as per **Form-11**.

2.5. One Bid per Bidder: Each bidder shall submit only one bid. A bidder who submits more than one Bid will be disqualified and the EMD submitted with each of the bids shall be forfeited.

2.6. Joint Venture: [Not Applicable to this work]:

- 2.6.1. JVs/Consortia be allowed in all contracts of estimated cost of more than Rs.5 Crores. However, there shall be no limit on the number of partners and subject to the following:
- 2.6.2. In a Joint Venture, all partners are jointly and severally responsible for the work.
- 2.6.3. The technical and financial criteria [PQC] may be met jointly by the partners. At the same time, it has to be ensured that firms are capable. Thus, firms with at least 26% equity holding each shall be allowed to jointly meet the eligibility criteria.

2.7. Site Visit: The Bidder, at his own responsibility and risk is encouraged to visit and examine the routes and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the works. The costs of visiting the site shall be borne by the Bidder.

2.8. Clarification on Bid Documents: A prospective bidder requiring any clarification of the bidding documents may notify the employer in writing or by electronic form and be confirmed by hard copy at the Employer's address indicated in the invitation to bid. The Employer will respond to any request for clarification which he received earlier than 07 days prior to the deadline for submission of bids. Copies of the Employer's response will be forwarded to all purchasers of the bidding documents, including a description of the enquiry but without identifying its source. The clarifications shall be uploaded on Website of <https://nprocure.com>

2.9. Pre-Bid Meeting: Not applicable

2.10. Language of Bid: All documents relating to the bid shall be in the English language.

2.11. Documents comprising the Bid: The bid submitted by the bidder shall comprise the following:

- 2.11.1. Technical Bid:
 - 2.11.1.1. Bid Security, EMD and tender fee;
 - 2.11.1.2. Qualification information in accordance to clause of **Eligibility Criteria** shall be submitted.
- 2.11.2. **Financial Bid:** Bill of quantities duly filled and digitally signed by bidder.

2.12. Bid Validity:

- 2.12.1. Bids shall remain valid for a period of 120 days from the date of opening of the Technical Bid. A bid valid for a shorter period shall be rejected by the employer as non- responsive.
- 2.12.2. In exceptional circumstances, prior to expiry of the original time limit, the Employer may request the bidders to extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security.
- 2.12.3. A bidder agreeing to the request will not be permitted to modify his bid.

2.13. Alternative proposal by Bidders: Conditional offer or Alternative offers will not be considered further in the process of tender evaluation.

2.14. Format and Signing of Bid: The Price Bid to be submitted on-line shall be signed digitally by a person or persons duly authorized to sign on behalf the Bidders. The Bid shall contain no alternations additions, except those to comply with instructions issued by the Employer.

2.15. Amendment of Bidding Documents:

- 2.15.1. Before the deadline for submission of bids, the Employer may modify the bidding documents by using addendums.
- 2.15.2. Any addendum thus issued shall be part of the bidding documents and shall be communicated in writing or by cable to all the purchasers of the bidding documents. Prospective bidders shall acknowledge the receipt of each addendum by cable to the Employer.
- 2.15.3. To give prospective bidders reasonable time in which to take an addendum into account in preparing their bid, the Employer shall extend as necessary the deadline for submission of bids, which will be notified.

2.16. Submission of Bids:

- 2.16.1. Bidders who wish to participate in the tender will have to procure/ should have legally valid Digital Certificate, as per Information Technology Act-2000, using which they can sign their electronic bids. The bidders can procure the Digital Certificate from (n) code solutions a division of GNFC Ltd, who are licensed certifying authority by Government of India. All bids should be digitally signed. For details regarding Digital signature certificate and related matters, the bidder may contact the following address:(n) code Solutions, A Division of GNFC,301 GNFC Info tower, Bodakdev, Ahmadabad, Tel. 91 79 26857316/17/18; Fax: 91 79 26857321, Mobile: 9327084190 / 9898589652, e-mail: nprocure@gnvfc.net.
- 2.16.2. The accompaniments to the tender documents as described under in the tender document shall be Scanned and submitted On-Line along with Tender documents. However, the originals/attested hard copies along with tender documents (except Price Bid), signed on bottom of each page in token of acceptance of Tender Conditions and shall have to be forwarded subsequently so as to reach "Off-Shore Oil Terminal Department, AO Building, Jetty Office, Deendayal Port Authority, Vadinar – 361010" within seven days from the last date of opening of tender.
- 2.16.3. The envelopes shall be addressed to: Executive Engineer (Civil), Off-Shore Oil Terminal Department, Deendayal Port Authority, First floor, A.O. Building, Vadinar – 361010, Gujarat State.
- 2.16.4. The envelopes shall bear (i) Name of work: ____; Bid reference No. ____; Name, Address, Contact Number and e-mail id of the Bidder:_____.
- 2.16.5. The contractor can upload documents in the form of PDF format.
- 2.16.6. It is mandatory to upload scanned copies of all the documents including GST registration number as stipulated in the bid document. If such documents are not uploaded his bid will become invalid and cost of bid document shall not be refunded.
- 2.16.7. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the contractor the bid shall become invalid and cost of bid document shall not be refunded.
- 2.16.8. Contractor must ensure to quote rate of each item. If any cell is left blank and no rate is quoted by the bidder, the rate of such item shall be treated as "0 [zero]".
- 2.16.9. All the mandatory document required/prescribed for pre-qualification have to be uploaded online by the bidder failing which his offer shall be rejected and treated as non-responsive. However, additional documents required, if any for verification of the original documents shall be submitted by the bidder, if required by DPA.

2.17. Deadline of submission of the Bids:

- 2.17.1. Bids must be received by the employer in online system at websites www.nprocure.com.
- 2.17.2. At the time of submission of the tender document, the Bidder shall give an undertaking that no changes have been made in document. The uploaded version of the Port Tender Document at www.nprocure.com websites will be treated as authentic tender and if any discrepancy is noticed at any stage between the Port's tender document and the one submitted by the Bidder, the conditions mentioned in the Port's uploaded document on

www.nprocure.com websites shall prevail.

- 2.17.3. The employer may extend the deadline for submission of bids by issuing an amendment on DPA website as well as on www.nprocure.com in which case all rights and obligations of the employer and the bidders previously subject to the original deadline will then be subject to the new deadline.
- 2.17.4. In case of tender documents being downloaded from the web site, at the time of submission of (the hard copy of) the tender document, the tenderer shall give an undertaking that no changes have been made in the document. If any discrepancy is noticed at any stage between the port's tender document uploaded on www.nprocure.com and the one submitted by the tenderer, the conditions mentioned in the port's tender document uploaded on www.nprocure.com shall prevail. Besides, the tenderer shall be liable for legal action for the lapses.

2.18. Late Bids: After the deadline of submission of bid as prescribed, the bids cannot be submitted in the On-Line System.

2.19. Modification and Withdrawal of Bids:

- 2.19.1. Bidders may modify or withdraw their bids before the deadline of submission of bid or extension if any.
- 2.19.2. No Bid can be modified after the deadline for submission of Bids.
- 2.19.3. Withdrawal or modification of a Bid between the deadline for submission of bids and the expiration of the original period of bid validity including extension, if any, may result in the forfeiture of the bid security i.e., EMD.

2.20. Bid Opening:

- 2.20.1. On the due date and time, the employer will first open preliminary bids of all bids received including modifications
- 2.20.2. In the event of the specified date for Bid opening being declared a holiday by the employer, the Bids will be opened at the appointed time on the next working day at the same time.
- 2.20.3. If any Bid contains any deviation from the Bid documents and/or if the same does not contain Bid security i.e., EMD and tender fees in the manner prescribed in the Bid documents, then that Bid will be rejected and the Bidder will be informed accordingly.
- 2.20.4. The bids which are technically qualified, their financial bids will be opened. The date of opening of financial bid will be declared in the www.nprocure.com.
- 2.20.5. The price bid i.e., BOQ will be opened only those bids qualify technically.

2.21. Clarification of Bids:

- 2.21.1. To assist in the examination and comparison of Bids, the Employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakdown of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Bid shall be sought, offered, or permitted.
- 2.21.2. No Bidder shall contact the employer on any matter relating to his bid from the time of the bid opening to the time the contract is awarded.
- 2.21.3. Any effort by the Bidder to influence the Employer's bid evaluation, bid comparison or contract award decisions, may result in the rejection of his bid.

2.22. Examination of Bids and Determination of Responsiveness:

- 2.22.1. Prior to detailed evaluation of Bids, the Employer will determine whether each bid: has been properly digitally signed, meets the eligibility criteria defined is accompanied by the required tender fee and EMD (Bid securing declaration); is responsive to the requirements of the Bidding documents.
- 2.22.2. GST number to be quoted invariably by the bidder.
- 2.22.3. A substantially responsive Technical and Financial Bid is one which conforms to all the terms, conditions and specification of the Bidding documents.
- 2.22.4. If a Technical Bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-confirming deviation or reservation.

2.23. Evaluation and Comparison of Bids:

- 2.23.1. The employer will evaluate and compare only the Bids determined to be responsive.
- 2.23.2. In evaluating the Bids, the employer will determine for each Bid the evaluated Bid price by adjusting discounts, if any.

- 2.23.3. If in the opinion of the Chief Operations Manager, the rate quoted by successful bidder is abnormally high/low compared to the estimated cost of the work, the employer may ask the bidder to produce detailed price analysis for all items of the bill of quantities.

2.24. Issue of Letter of Acceptance:

- 2.24.1. The employer will award the work to the bidder whose bid has been evaluated to be techno-commercially responsive and the lowest evaluated bid subject to submission of agreement and performance security.
- 2.24.2. The employer, if so required, reserves the right to split the work and award the work in favour of more than one firm.

2.25. Employer's Right to reject any or all the Bids: The employer reserves the right to accept or reject any bid and to cancel the bidding process and reject all bids without assigning any reasons, at any time prior to the award of contract, without thereby incurring and liability to the affected bidder or bidders of the grounds for Employer's action.

2.26. Notification of Award and Signing of Agreement:

- 2.26.1. The Bidder whose Bid has been accepted will be notified for the award by the Employer prior to expiration of the Bid validity period by facsimile/email, confirmed by registered letter. In this letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance" (LOA) and issued by Chief Operations Manager) the contract amount, completion period of the work, etc. will be mentioned in line with the tender conditions.
- 2.26.2. The notification of award will constitute the formation of the Contract subject to the furnishing of a performance security in accordance with the provisions of tender condition.
- 2.26.3. The Agreement will be signed by successful Bidder within 14 days of issue of the notification of award [Letter of Acceptance]. The agreement will incorporate all correspondence between the Employer and the successful bidder.

2.27. Contract Agreement:

- 2.27.1. The agreement on stamp paper shall be furnished by the Contractor as per the following guidelines within 14 days from the date of issue of Letter of Intent.
- 2.27.2. The successful bidder will be required to execute an agreement at his expense on Non-Judicial Stamp Paper of value applicable in the proper departmental format for the due and proper fulfilment of the contract within 14 days from the date of Letter of Acceptance.
- 2.27.3. Pending preparation and execution of the contract agreement as above, the tender submitted by the Contractor together with Chief Operations Manager's letter/fax/e-mail accepting the tender shall constitute a binding contract between the Board and the Contractor.
- 2.27.4. The contract period shall be reckoned from the date of issue of work order to commence the work.
- 2.27.5. The original agreement as per the format attached with the tender should be executed on a stamp paper of appropriate value.
- 2.27.6. The Agreement should be submitted in duplicate and the date of execution is to be kept blank.
- 2.27.7. Each page of the document is to be signed by the Contractor/ his authorized representative by indicating his full name.
- 2.27.8. If the Contractor is a partnership firm, then a copy of the Partnership Deed and in case it is a Company, a copy of Memorandum and Articles of Association along with Registration Certificate is to be submitted.
- 2.27.9. If the agreement is signed by a Partner/s Director/an authorized person of the firm, in such case, a certified true copy of the power of attorney/letter of authority given by the firm/company to the signatory of the Contractor firm is to be submitted.
- 2.27.10. The entire agreement should be in type written form/computer printed form.
- 2.27.11. Leaving blanks and insertion of some contents of the agreement with handwriting should be avoided.
- 2.27.12. All corrections/additions made in the agreement are to be initialed.

2.28. Issue of Work Order: Work order will be issued indicating the Contract value, completion period etc. after submission of Performance Security Deposit and Contract Agreement on Non-Judicial Stamp Paper by the successful bidder as per Tender Conditions.

2.29. Time Schedule: The Contract will be for a period of 120 days which shall be effective from the date of commencement as mentioned in the Work Order.

2.30. Corrupt or Fraudulent Practices: The Employer requires that the contractor has to observe the highest standard of ethics during the execution of this contract. In pursuance of policy, the Employer defines the corrupt and fraudulent practice as under:

- 2.30.1. defines the following for the purpose of these provisions:
- 2.30.2. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
- 2.30.3. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.
- 2.30.4. will reject a proposal for award of work if he determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
- 2.30.5. will declare a Bidder ineligible, either indefinitely for a stated period of time, to be awarded a contract/ contract if he at any time determines that the Bidder has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

2.31. Integrity Pact: The bidder has to execute Integrity Pact agreement (as per Form-13) with Deendayal Port Authority (As per Appendix), Shri Amiya Kumar Mohapatra, IFoS (Retd.) and Dr. Gopal Dhawan, Ex-CMD, MECL, has been nominated as Independent External Monitor for Integrity Pact. Whose address is as under:

Address: Shri Amiya Kumar Mohapatra, IFoS (Retd.),
Qts. No. 5/9, Unit-9, Bhol Nagar,
Bhubneshwar -751 022
Mobile: 9437002530
Email : amiyaifs@gmail.com

Address:
Dr. Gopal Dhawan, Ex-CMD, MECL,
House No. 120, Jai Shakti Vihar (NHPC Society) P4, Building area, Greater Noida, Gautam
Budh Nagar,
Uttar Pradesh – 201 315
Mobile No.: 8007771467
Email : gdhawangeologist@gmail.com

Scanned copy of pre-contract Integrity Agreement (as per appendix) is to be uploaded along with the Preliminary bid. Original hard copy of pre contract Integrity Pact Agreement shall be submitted by post or by hand immediately after closing date of online E- tender failing which tender shall be considered irrelevant.

3. Section – 3: Forms**3.1. Form - 1: Details of Firm**
[to be executed on Bidder's letter head]

Sr. No.	Description	Details
1.	Name of Party	
2.	Correspondence address of the Party	
3.	Name of Contact person/s	
4.	Contact number of person/s	
5.	Contact number of the firm	
6.	E - Mail Address	
7.	Year of Establishment	
8.	Type of Firm [i.e. proprietorship/ partnership etc.]	
9.	Name of Proprietor/partners	
10.	Contact numbers of proprietor/partners	
11.	PAN Number	
12.	GST Number	
13.	PF Registration Number	

3.2. Form – 2: Specimen of Application
[to be executed on the bidder's letterhead]

To

Chief Operations Manager, Deendayal Port Authority
Off-Shore Oil Terminal, Vadinar – 361010

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the tender documents, including addenda and clarifications issued vide
 - (b) We offer to execute the work in conformity with the tendering documents and in accordance with the delivery schedules specified in the schedule of requirements in accordance with the tender document bearing no **(insert No.)**
 - (c) Our tender shall be valid for the period of 120 days, from the date fixed for the tender submission deadline and it shall remain binding upon us and may be accepted at any time before the expiration of that period or any extended period.
 - (d) If our tender is accepted, we commit to submit a performance guarantee for the due performance of the contract, as specified in specimen form for the purpose.
 - (e) No Joint Venture/Joint Venture.
 - (f) Our firm, its affiliates or subsidiaries – including any subcontractors or contractors for any part of the contract – has not been declared ineligible by the port, under laws of India or official regulations.
 - (g) We understand that this tender, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract agreement is prepared and executed.
- i. We understand that you are not bound to accept the lowest evaluated tender or any other tender or you can also split the work that you may receive.
 - ii. We also make a specific note of clause of [ITB, NIT] under which the contract is governed.

Signed: [insert signature of person whose name and capacity are shown]

In the capacity of [insert legal capacity of person signing the form of tender]

Name: [insert complete name of person signing the form of tender]

Duly authorized to sign the tender for and on behalf of: [insert complete name of tenderer]

Dated on _____ day of _____, _____ (insert date of signing)

3.3. Form – 3: Details of Financial Stability
[to be executed on the bidder's letterhead]

A. The average Annual Financial Turnover of the applicant in the last years ending 31st march of previous financial year as certified by Chartered Accountant (attach copies of audited accounts).

Sr. No.	Year	Turn Over
1.	2024-25	
2.	2023 -24	
3.	2022-23	

B. Name and address of the Bankers of the contractor

Date : _____
Place : _____

Name of Applicant: _____
Represented by (Name & capacity) _____

3.4. Form-4: Forma of Declaration
[to be executed on the bidder's letterhead]

To,

Chief Operations Manager, Deendayal Port Authority,
Off-Shore Oil Terminal, Vadinar – 361010

Sub: _____

The undersigned, having studied the pre-qualification submission for the above mentioned project, hereby states:

- (a) The information furnished in our bid is true and accurate to the best of my knowledge.
- (b) That, in case of being pre-qualified, we acknowledge that the Employer may invite us to participate in due time for the opening of Price bid of the Tender on the basis of provisions made in the Tender Documents to follow.
- (c) When the call for Tenders is issued, if the legal, technical or financial conditions, or the contractual capacity of the firm changes, we commit ourselves to inform you and acknowledge your sole right to review the pre-qualification made.
- (d) We enclose all the required pre-qualification data format and all other documents and supplementary information required for the pre-qualification evaluation.
- (e) We also state that no changes have been made by us in the downloaded tender formats and understand that in the event of any discrepancies observed, the tender hoisted on website of (n) procure is full and final for all legal/contractual obligations.
- (f) We also declare that, our firm has not been banned/de-listed by any Government or PSUs.
- (g) We also give an undertaking that, we have not made any payment or illegal gratification to any person/authority connected with the bid process so as to influence the bid process and have not committed any offence under the PC Act in connection with the bid.

Date : _____ Place : _____

Name of Applicant: _____ Represented by
(Name & capacity) _____

3.5. Form – 5: Letter of Authority for submission of Bid [to be executed on non-judicial stamp paper]
--

To,

Chief Operations Manager,
Deendayal Port Authority,
Off-Shore Oil Terminal Department,
Vadinar – 361010

Dear Sir,

We _____do hereby confirm that Shri _____(Name, designation and Address) is/are authorized to represent us to bid, negotiate and conclude the agreement on our behalf with you {copy of board resolution attached (in case of company)} for tender no. _____for the work of _____and his specimen signature is appended here to.

We confirm that we shall be bound by all and whatsoever our said signatory shall commit.

We understand that the communication made with him by the employer/Board shall be deemed to have been done with us in respect of this Tender.

[Specimen signature]

Yours faithfully, Signature:
Name & Designation:

3.6. Form-6: Exceptions & Devotions
[to be executed on the bidder's letterhead]

As pointed out in the tender call notice, bidders may stipulate here exceptions and deviations to the bid conditions, if considered unavoidable.

Sr. No.	Page no. of bid document	Clause no. of bid document	Subject deviation with reasons

Note: The bidders to note that, in the event of un-acceptable deviations, if any, the bid shall be liable for rejection. Bidders is discouraged to deviate from bid condition, specifications, delivery schedules, commercial terms as per the tender document,

Duly authorized to sign this authorization on behalf of:
[insert complete name of Tenderer]

Dated on _____ day of _____, _____ [insert date of signing]

3.7. Form – 7: Information regarding Litigation
[to be executed on the bidder's letterhead]

The information has to be submitted as per following format:

Other party/ies	Port	Cause of dispute	Amount	Remarks showing status	involved present

Duly authorized to sign this authorization on behalf of:
[insert complete name of Tenderer]

Dated on _____ day of _____, _____ [insert date of signing]

3.8. Form – 8: Completed Similar Works in last 07 years
[to be executed on bidder's letter head]

Total value of completed similar as defined in the Tender Documents during last 07 years as per following format:

Name of work	Year	Name of Party	Address Party of	Value Contract of

Supporting documents, viz. successful completion certificates from clients, other documentations to substantiate the similarity of work as per definition of "similar works".

Employers reserve the right to verify the information.

<p>3.9. Form – 9: Proposed sub-contractors and firms involved [to be executed on the bidder's letterhead]</p>
--

{Not applicable to this work}

Total information to be submitted as per following format:

Sections of the works	Value of Sub-Contract	Sub-Contractor [name address]	Similar work Experience

**3.10. Form - 10: Existing commitments and on-going works
[to be executed on bidder's letter head]**

[illegible]

3.11. Form – 11: Bank Details for E-Payment
[to be executed on bidder's letter head]

a.	Name of Party	
b.	Account Number	
c.	Bank Name	
d.	Branch Name	
e.	Branch Station	
f.	IFSC Code of the Bank	
g.	Contact Number of Bank	
h.	Type of Account	Saving / Current
i.	MICR Code	
j.	Accepted for	NEF Payment / RTGS Payment

Declaration by the party:

I/We hereby declare that the above information furnished by me is correct and DPA is requested to pay my/our dues to this account for this work is concerned.

Signature of the party with the seal

3.12. Form – 12: Certificate / Undertaking
[to be executed on party's letter head]

(1) This is to certify that we M/s. _____ have not been banned/blacklisted by any Government Agency or PSUs.

(2) It is to undertake that the documents submitted by us in support of our credential are genuine and DPA is at liberty to take any action against us, if the said documents are found to be non- genuine.

(3) It is to undertake that we will comply to the specifications of the work including terms and conditions in total without any deviation.

3.13. Form – 13: Certificate / Undertaking
[to be executed on party's letter head]

INTEGRITY PACT

Between

Deendayal Port Authority (DPA) hereinafter referred to as "The Principal"

And

..... (Name of The bidders and consortium
members) hereinafter referred to as "**The Bidder / Contractor**"

Preamble

The Principal intends to award, under laid down organizational procedures, contract(s) / concession(s) for Tender No. The Principal values full compliance with all relevant laws of the land rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(s) and / or Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitors (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -

(a) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

(c) The Principal will exclude from the process all known prejudicial persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC / PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s) / Contractor(s)

(1) The Bidder(s) / Contractor(s) commits themselves to take all measures necessary to prevent corruption. The Bidder(s) / Contractor(s) commits themselves to observe the following principles during participation in the tender process and during the contract execution.

a. The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in tender process or the execution of the contract or to any third person any material or other benefit, which he / she is not legally entitled to, in order to obtain in exchange of advantage of any kind whatsoever during the tender process or during the execution of the contract.

b. The Bidder(s) / Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids, or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c. The Bidder(s) / Contractor(s) will not commit any offence, under the relevant Prevention of Corruption Act / Indian Penal Code / PC Act; further the Bidder(s) / Contractor(s) will not use improperly, for purposes of competition, or personal gain, or pass on to others, any information or document provided by the Principal, as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s) / Contractor(s) of foreign origin shall disclose the name and address of the Agents / Representatives in India, if any. Similarly, the Bidder(s) / Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s) / Contractor(s). Further, as mentioned in the Guidelines all the payments made to Indian agent / representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is placed at (page Nos. 7-20)

e. The Bidder(s) / Contractor(s) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries, in connection with the award of the contract.

f. Bidder(s) / Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.

(2) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s) / Contractor(s), before award or during execution has committed a transgression through a violation of Section-2 above, or in any other form, such as to put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder (s) / Contractor(s), from the tender process, or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings". Copy of the "Guidelines on Banning of business dealings" is placed at (Page No. 7-20).

Section 4 - Compensation for Damages

(1) If the Principal has disqualified the Bidder(s), from the tender process prior to the award, according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit / Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor, liquidated damages of the Contract Value or the amount equivalent to Security Deposit / Performance Bank Guarantee, whichever is higher.

(3) The Bidder(s) agrees and undertakes to pay the said amounts, without protest or demur, subject only to condition that, if the Bidder(s) / Contractor(s) can prove and establish that the termination of the contract, after the contract award has caused no damage or less damage than the amount of the liquidated damages, the Bidder/Contractor shall compensate the principal, only to the extent of the damage in the amount proved.

Section 5 - Previous transgression

(1) The Bidder declares that, no previous transgressions occurred in the last three years with any other company in any country confirming to the anti-corruption approach or with any other Public Sector Enterprises in India, that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of Business dealing".

Section 6 - Equal treatment of all Bidders / Contractors

(1) In case of a Joint Venture, all the partners of the Joint Venture will enter into agreement with identical conditions as this on which all Bidders.

(2) There is no provision of sub-contract in the tender, any violation of the same, Contractor shall be held solely responsible for the same.

Section 7 - Criminal charges against violating Bidders / Contractors

If the principal obtains knowledge of conduct of a Bidder or Contractor or of an employee, or a representative, or an associate of a Bidder or Contractor, which constitutes corruption, or if the Principal has substantive suspicion, in this regard, the Principal will inform the same to the Chief Vigilance Officer (CVO) and the CVO will take further necessary action as deemed fit in accordance with the CVC Manual.

Section 8 - External Independent Monitor

(1) The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

(2) The Monitor is not subject to instructions by the representative of the parties and performs his / her functions neutrally and independently. The Monitor would have access to all Contact documents, whenever required. It will be obligatory for him / her to treat the information and documents of the Bidders / Contractors as confidential. He / she reports to the Chairperson of the Board of the Principal.

(3) The Bidder(s) / Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Bidder / Contractor will also grant the Monitor, upon his / her request and demonstration of a valid interest, unrestricted and unconditional access to the project documentation. The Monitor is under contractual obligation, to treat the information and documents of the Bidder / Contractor with confidentiality.

(4) The Monitor is under contractual obligation to treat the information and documents of the Bidder(s) / Contractor(s) with confidentiality. The Monitor has also signed declaration on "Non-Disclosure of Confidential Information" and of "Absence of Conflict of Interest". In case of any conflict of interest arising at a later date, the IEM shall inform Chairman, DPA and recues himself / herself from that case.

(5) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder / Contactor. The parties offer to the Monitor the option to participate in such meetings.

(6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he / she will so inform the Management of the Principal and request the management to discontinue, or take corrective action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

(7) The Monitor will submit a written report to the Chairperson of the Board of the Principal, within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

(8) If the Monitor has reported to the Chairperson of the Board of the Principal, a substantiated suspicion of an offence under relevant IPC / PC Act and the Chairperson of the Board of the Principal has not, within reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

(9) The word "Monitor" would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidder and exclusion from future business dealings.

If any claim is made / lodged during this time, the same shall be binding and continue be valid despite the lapse of this Pact as specified above, unless it is discharged / determined Chairperson of the Principal.

The Pact duration in respect of unsuccessful Bidders shall expire after 6 months of the award of the contract.

Section 10 - Other Provisions

(1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Gandhidham, Gujarat.

(2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

(3) If the Bidder / Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

(4) Should one or several provisions of this agreement, turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(5) Issues like Warranty / Guarantee etc. shall be outside the purview of IEMs.

(6) In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.



Witness 1:

(Name and Address)

K.R. SWAIN
GOT. VADINAR
DEENDAYAL PORT
AUTHORITY.
VADINAR.

(For & on behalf of the Bidder/Contractor)

(Office Seal)

Witness 2:

(Name and Address)

Place : Vadinar

Date : ____/____/____

The bidder has to execute Integrity Pact Agreement with Deendayal Port Authority, Shri Amiya Kumar Mohapatra, IFoS (Retd.) and Shri Dr. Gopal Dhawan, Ex-CMD, MECL have been appointed as independent external monitors for integrity pact, whose details are as under

1. Shri Amiya Kumar Mohapatra, IFoS (Retd.),
Qrs: No. 5/9, Unit-9, Bhoj Nagar,
Bhubaneswar-751 022.
Mobile No. 9437002530
email: amiyaifs@gmail.com

2. Dr. Gopal Dhawan, Ex-CMD, MECL,
House No. 120, Jal Shakti Vihar (NHPC Society) P4,
Builders Area, Greater Noida Gautam Budh Nagar,
Uttar Pradesh- 201 315.
Mobile No. 8007771467
email: gdhawangeologist@gmail.com

Note: This integrity pact shall be filled up in all blanks on the first page, (i.e. name of the bidder and Tender no.) and signed by authorized signature of bidder with witness. Please note the bid is liable to be rejected without seeking any clarification if not complied with the above (i.e. if not properly filled up, signed by authorized signatory and signed by witness). Hence, bidders are requested to upload integrity pact duly complying with the above.

3.14. Form – 14: Bid Securing Declaration Form for Earnest Money Deposit [to be executed on the letter head of bidder]

Bid Securing Declaration Form

Date: _____

Tender No. _____

To
Chief Operations Manager, Offshore Oil Terminal Department, Deendayal Port Authority,
Vadinar – 361010.

I/We, the undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of **three** years from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid;
or
b) having been notified of the acceptance of our Bid by the employer/purchaser during the period of bid validity
- fail or refuse to execute the contract, if required,
or
 - fail to refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of

(i) the receipt of your notification of the name of the successful Bidder

Or

(ii) thirty days after the expiration of the validity of my/our Bid.

Signed: _____ (insert signature of person whose name and capacity are shown)

in the capacity of _____ (insert legal capacity of person signing the Bid Securing Declaration)

Name: _____ (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for and on behalf of (insert complete name of bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

3.15. Form – 15: Specimen Letter of Authority from Bank for All BGs [to be executed on Bank's letterhead]
--

To,

Chief Operations Manager,
Off-Shore Oil Terminal Department, Deendayal Port Authority,
Vadinar – 361010

Sub: Our Bank Guarantee No. _____ dated _____ for Rs. _____
favoring yourselves issued on a/c of M/s. _____.

Sir,

We confirm having issued the above mentioned guarantee favoring yourselves, issued on account of M/s. _____ validity for expiry up to date _____ and claim expiry date up to _____.

We also confirm 1) _____ 2) _____ is/are empowered to sign such Bank Guarantee on behalf of the Bank and his/their signatures is/are binding on the Bank.

Seal, Name & signature of Bank Officer

3.16. Form-16: Letter of Acceptance
--

No. OOT/_____/_____

Date: _____

To: _____(Name & address of contractor)

Sub: _____

Ref: Your bid dated _____and list of correspondence with the bidders.

Dear Sir,

This is to notify you that your price bid opened on _____for execution of the work “ _____”, as given in the instruction to bidders) for the Contract Price of Rs. _____(amount in words and figures) as corrected and modified in accordance with the Tender Documents is hereby accepted by the competent authority of Deendayal Port Trust.

You are hereby requested to furnish performance guarantee, for an amount of Rs. _____(amount in words and figures) within {21} days of the issue of this letter of acceptance valid upto {28} days from the date of completion/obligation/ expiry of taking over certificate subject to removal of defects period, if any i.e. upto _____ and also sign the contract agreement within {21} days of the receipt of this letter of acceptance, failing which action as stated in the tender document will be taken.

Detailed Work Order will follow. Please acknowledge receipt.

Yours faithfully,

Authorized signatory

Name and title of signatory

Deendayal Port Authority

**3.17. Form-17: Bank Guarantee for Performance Guarantee/Security Deposit
[to be executed on non-judicial paper]**

[The bank, as requested by the successful Tenderer, shall fill in this form in accordance with the instructions indicated]

(PROFORMA FOR BANK GUARANTEE)

To,
The Chief Operations Manager,
Deendayal Port Authority,
Off-Shore Oil Terminal Department,
Vadinar – 361010.

1. In consideration of the Board of Deendayal Port Authority incorporated by the Major Port Authorities Act, 2021 (hereinafter called "The Board" which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include the Board of Deendayal Port Authority, its successors and assigns) having agreed to exempt _____ (hereinafter called the "contractor") (Name of the contractor/s) from the demand under the terms and condition of the contract, vide _____ (Name of the Department)'s letter No. _____ Date _____ made between the contractors and the Board for execution of _____ covered under Tender No. _____ dated _____ (hereinafter called "the said contract") for the payment of Security Deposit in cash or Lodgment of Government Promissory Loan Notes for the due fulfillment by the said contractors of the terms and condition of the said contract, on production of a bank Guarantee for Rs. _____ (Rupees _____ only). We, the (Name of the Bank and Address) _____ (hereinafter referred to as "the Bank") at the request of the contractors do hereby undertake to pay to the Board an amount not exceeding Rs. _____ (Rupees _____ only) against any loss or damage caused to or suffered by the Board by reason of any breach by the contractors of any of the terms and conditions of the said contract.

2. We, _____ (Name of Bank and Branch), do hereby Undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the Board starting that the amount claimed is due by way of loss or damage caused to or which would be caused to or suffered by the Board by reason of the contractor's failure to perform the said contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to any amount not exceeding Rs. _____ (Rupees _____ only).

3. We, _____ (Name of Bank and Branch), undertake to pay to the Board any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.

4. We, _____ (Name of Bank and Branch), further agree with the Board that the guarantee herein contained shall remain in full force and effect during the period that would be taken for performance of the said contract and that it shall continue to be enforceable till all the dues of the Board under or by virtue of the said contract have been fully paid and its claims satisfied or discharged or till the _____ (Name of the user department) of the said certifies that the terms and conditions of the said contract have been fully and properly carried out by the said Contractors and accordingly discharge this guarantee. PROVIDED HOWEVER that the Bank shall at the request of the Board but at the cost of the Contractors, renew or extend this guarantee for such further period or periods as the Board may require from time to time.

5. We, _____ (Name of Bank and Branch), further agree with the Board that the Board shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract or to extend the time of performance by the said contract or to extend the time of performance by the said Contractors from time to time or to postpone for any time or from time to time any of the powers exercisable by the board against the said Contractors and to forebear or enforce any of the terms and conditions relating to the said contract and we shall not be relieved from our liability by reason of any such variation or extensions being granted to the contractors or for any

forbearance, act or omission on the part of the Board or any indulgence shown by the board to the Contractors or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. It is also hereby agreed that the Courts in Jam-Khambhalia would have exclusive jurisdiction in respect of claims, if any, under this Guarantee.

8. We, _____ (Name of Bank and Branch), lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Board in writing.

9. Notwithstanding anything contained herein:

a. Our liability under this Bank Guarantee shall not exceed Rs. _____ (Rupees _____ only);

b. This Bank Guarantee shall be valid up to _____; and

c. We are liable to pay the guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before _____ (date of expiry of Guarantee)."

Beneficiary name:	Deendayal Port Authority
Account No.:	325310100002572
IFSC Code:	BKID0003253
Bank Name:	Bank of India
Branch address:	KANDA PORT TRUST STAFF COLONY, SHOPPING CENTRE NO. 5, VADINAR 361 010.

For (Name of Bank) Signature

Date: _____ day of _____ 2025.

3.18. Form-18: Work order

No. OOT/_____/_____

Date: _____

To: _____(Name & address of contractor)

Sub: _____

Ref: Letter of Acceptance No. _____dated _____

Sir,

Pursuant to your furnishing the requisite Security and signing of the contract for execution Of the work " _____", you are hereby instructed to proceed with the execution of the said work w.e.f. _____in accordance with the contract documents.

Thanking you,

Yours faithfully,

Executive Engineer (M&E),
Deendayal Port Authority,
OOT, Vadinar

<p style="text-align: center;">3.19. Form-19: Final Acceptance Letter [to be executed by DPA on non-judicial paper provided by the Party]</p>

No. OOT/_____/_____

Date: _____

To: _____(Name & address of contractor)

Sub: _____

Sir,

With reference to your tender dated _____, wherein you have agreed to carry out the subject work for Rs._____(amount in figure and words) inclusive of all taxes for the subject work excluding GST, has been accepted to the specification and condition etc. accompanied with the said tender.

A copy of accepted schedule of quantities and rates together with one terms and conditions has already been forwarded to you.

Yours faithfully,

Chief Operations Manager,
Deendayal Port Authority,
OOT, Vadinar

SPECIMEN CONTRACT AGREEMENT

(to be executed on Rs.300/-non-judicial stamp paper)

[the successful tenders shall fill in this form in Accordance with the \ instructions indicated]

THIS CONTRACT AGREEMENT is made

The [insert: number] day of [insert: month], [insert: year]

Between

(1) The Board of Deendayal Port Authority, an autonomous body of the Ministry of PORT, SHIPPING & Waterways of the Government of INDIA, incorporated under the MAJOR PORT AUTHORITIES ACT, 2021 as amended thereafter, under the laws of India and having its principal place of business at [insert address of port] (hereinafter called "the Board"/"port"), and

(2) [insert name of the contractor], [incorporated under] the laws of [country of contractor] and having its place of business at [insert: address of contractor] (hereafter called "the contractor")

WHEREAS the employer board invited tenders against tender no.[number] for execution of [tender title and brief description] and has accepted a tender by the contractor in accordance with the supply/delivery schedules, in the sum of [insert contract price in words and figures, expressed in the contract currency (ies)] (hereafter called "contract price")

AND WHEREAS the contractor agreed to deposit the Security Deposit as follows for the due fulfillment of all the conditions of the contract.

1.Rs._____paid in the form of FDR/ Bank Guarantee or Digital Payment

towards 5% of Contract value as Performance Guarantee Balance amount towards S.D. being 5% of contract value will be recovered from work bills

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this agreement words and expressions shall have the same meanings as per respectively assigned to them in the conditions of contract refer to.

2. the following documents shall constitute the contract between the employer/ board and the contractor, and each shall be read and construed as an integral part of the contract:

- (a) This contract agreement;
- (b) Special conditions of contract;
- (c) General conditions of contract;
- (d) Technical requirements (including schedule of requirements and technical specifications, drawings);
- (e) Notice inviting tender;
- (f) Replies issued to the pre-bid queries, addenda is any issued [numbers and date];
- (g) The contractor's bid and original price and delivery schedules;
- (h) The employer/ board's notification of award;
 - (i) [correspondence the employer/board has exchanged with the bidder till and after award of contract [specific letters and dates]]
 - (j) And [add here any other documents] AND WHEREAS EMPLOYER/BOARD accepted the bid of CONTRACTOR for the provision and the execution of WORK at the CONTRACT PRICE as indicated in CONTRACT upon the terms and subject to the conditions of contract. Now this CONTRACT AGREEMENT witnessed and it is hereby agreed and declared as follows:

All the disputes related to the subject contract shall be resolved through a conciliation committee / councils comprising of independent subject experts

3. In consideration of the payment to be made to CONTRACTOR for work to be executed by him. CONTRACTOR hereby covenants with EMPLOYER/ BOARD what CONTRACTOR shall and will duly provide, execute and Page 43 of 158 complete work and things in CONTRACT, mentioned or described or which are to be implied there from or may be reasonably necessary for completion of work and the times and in the manner and subject to the terms and conditions or stipulations mentioned in CONTRACT.

4. In consideration of the due provision, execution and completion of work by the contractor in accordance with the terms of the contract, the employer / board does hereby agree with

contractor that employer /board will pay to contractor the respective amounts for the work actually done by him ad approved by employer/board as per payment terms accepted in contract and payable to contractor under provision of contract at such manner as provided for in the contract.

5. in consideration of the due provision, execution and completion of work, contractor done hereby agree to pay such sums as may be due to employer/ board for the services rendered by employer/ board to contractor as set forth in contract and such other sums as may become payable to employer/ board towards loss, damage to the employer/ board's equipment, materials etc. and such payments to be made at such time and in such manner as is provided in the contract.

IN WITNESS where of the parties hereto have caused this agreement to be executed in accordance with the laws of [insert name of the contract governing law country] on the day, month and year indicated above.

M/s. _____

(Name, signature Designation and Seal of the Contractor)

WITNESS

1. _____

2. _____

.

Contractor

Signed, sealed & delivered by Chief Operations Manager on
behalf of the Board in the Presence of:

Chief Operations Manager Deendayal Port Authority

FOR & ON BEHALF OF THE BOARD OF
DEENDAYAL PORT
AUTHORITY

Witness: (Name, Signature,
address) 1.

2.
(Dy. HOD & XEN)

The common seal of the
Board of Deendayal Port Authority affixed in
the presence of:

SECRETARY

DEENDAYAL PORT AUTHORITY

4. Section – 4: Commercial Terms and Conditions

4.1. Tender Fees: Tender Fee as per clause no. 2.4.2.1 to be submitted in the form of digital mode of payment only in favour of Deendayal Port Authority, Vadinar. The scanned copy of the document proof for payment towards tender fee shall be submitted in online and hard copy to be submitted to address given in the NIT within 7 days of opening of technical bid. The bid/tender not accompanied with document proof towards tender fee shall not be considered & out rightly rejected.

4.2. Earnest Money Deposit: Bid Securing/ EMD to be deposited through NEFT/RTGS/ any other electronic mode of payment into A/c no. 325310100002572, IFSC No. BKID0003253, Bank of India, Vadinar

4.2.1. Earnest money Deposit (EMD) should be 1 % of the estimated cost of work and maximum amount of earnest money should be Rs. 50.00 lakhs. In case of Micro and Small Enterprises (MSEs) holding valid certificate issued by any agencies/ organization under The Ministry of Micro, Small and Medium Enterprises indicating the list of activity related to the subject tender as per National Industrial Classification-2008 only shall become eligible for exemption from payment of Tender Fee/EMD. Such bidder shall upload the scanned copy of valid certificate in preliminary bid as well as duly filled in and signed „Bid Securing Declaration Form“ provided in the tender document during preliminary bid stage failing which the bid will be considered non-responsive.

4.2.2. The EMD up to Rs. 5 lakhs shall be payable by digital/online transfer & EMD beyond Rs.5 lakhs can also be payable by digital/online transfer or in the form of Bank Guarantee for the entire amount from any Nationalized Bank / Scheduled Bank except Co-operative Bank having its branch at Vadinar/ Jamnagar. Bank Guarantees submitted as Earnest Money shall be valid for 28 days beyond the validity of the bid. Bank Guarantee shall be verified independently by the Port with the bank before finalization of technical offer. In the event of lack of confirmation of issue of the Bank Guarantee by the Bank, the bid shall stands disqualified.

4.2.3. EMD of unsuccessful bidders other than L1 is refunded immediately after ranking of price bids. Earnest money of L1 is refunded immediately after entering in to agreement and acceptance of performance Guarantee.

4.2.4. EMD is refunded suo-motto without any application from the bidders.

4.2.5. The bid security of the successful bidder will be discharged after he has signed the Agreement and furnished the required Performance security.

4.2.6. The Bid security may be forfeited, if

4.2.6.1. The bidder withdraws the bid after bid opening during the period of bid validity.

4.2.6.2. The bidder does not accept the correction of the Bid price, pursuant to Clause.

4.2.6.3. The successful bidder fails within the specified time limit to

- Sign the Agreement or
- Furnish the required Performances security

4.2.6.4. Bid Securing Declaration: The bid/tender shall be accompanied by Bid Securing Declaration in prescribed format as provided at **Form-14** in the bid document. The bid/tender not accompanied with this declaration shall not be considered & their technical bid will not be opened.

4.3. Average Annual Financial Turnover: Average annual financial turnover during the last three years ending 31st March of the previous financial year should be of monetary limit as mentioned under clause 2.4.1.

4.4. Solvency Certificate: Solvency Certificate as per clause no. 2.4.1. which should not be older than six months on the date of invitation of tender. **(Not Applicable)**

4.5. Work Order: Experience of having successfully completed similar works during the last 07 years ending last day of month previous to the one in which applications are invited should be as per monetary limit mentioned under clause no. 2.4.1.

4.6. Completion Certificate: A copy of the completion certificate in respect of the successfully completed similar work should be submitted. The completion certificate should invariably mention the reference number of work order, the date of completion of work and amount of work done.

4.7. Tax Deducted at Source: The bidder will be required to produce the tax deducted at source [TDS] Certificate indicating the income tax deducted by the client for that work, which will form the basis for assessing the value of completion of work. Along with the TDS certificate, a statement should be submitted giving details showing the name of the client, gross amount of the work, TDS amount and net payment received. The statement should be signed by the Chartered Accountant.

4.8. Bid Prices:

4.8.1. The rates and prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

4.8.2. The prices shall be quoted inclusive of all Taxes [excluding GST], Duties, salary and wages of staff, repair and maintenance cost, fuel cost, insurance and other incidentals etc. and should remain firm till completion of work.

4.9. Currencies of Bid and Payment: The unit rates and the prices shall be quoted by the bidder Indian Rupees only.

4.10. Performance Security Deposit: Performance guarantee should be 10% of contract price of which 5% of contract price should be submitted as Bank Guarantee/ digital mode of payment/ FDR within 21 days on receipt of letter of Acceptance/Intent and balance 5% recovered as Retention Money from Running Bills. Recovery of 5% retention money to commence from the first RA Bill onwards @ 5% of the bill value from each bills. Retention money will be refunded within 14 days from the date of payment of Final bill. Balance SD will be refunded immediately not later than 20 months from completion of work. Failure of the successful bidder to comply with the requirements as mentioned above shall constitute sufficient grounds for cancelation of the award of work and the bidder can be disqualified from bidding for any contract with DPA for a period of three years from the date of notification.

4.11. Variations:

4.11.1. Variation permitted shall not exceed +25% in quantity of each individual item, and +10% of the total contract price. With 14days of the date of instruction for executing varied work, extra work or substitution, and before the commencement of such work, notice shall be given either (a) by the contractor to the Employer of his intention to claim the extra payment or a varied rate or price, or (b) by the Employer to the contractor of his intention to vary rate or price.

4.11.2. For items not existing in the Bill of Quantities or substitution to items in the Bill of Quantities, rate payable should be determined by methods given below and in the order given below:

4.11.2.1. Rates and prices in Contract, if applicable plus escalation as per contract.

4.11.2.2. Rates and prices in the schedule of rates applicable to the contract plus ruling percentage.

4.11.2.3. Market rates of materials and labour, hire charges of plant and machinery used, plus 10% for overheads and profits of Contractors.

4.11.2.4. For items in the Bill of quantities but where quantities have increased beyond the variation limits, the rate payable for quantity in excess of the quantity in the Bill of Quantity plus the permissible variation should be:

4.11.2.5. Rates and prices in contract, if reasonable plus escalation, failing which (i) and (ii) below will apply

(i) Rates and prices in the schedule of Rates applicable to the contract plus ruling percentage,

(ii) Market rates of material and labour, hire charges of plant and machinery used plus 15% for overheads and profits of contractor.

4.11.2.6. If there is delay in the Employer and the contractor coming to an agreement on the rate of an extra item, rates as proposed by the employer shall be payable provisionally till such time as the rates are finally determined or till date mutually

agreed.

- 4.11.2.7. If the Nodal officer or his nominee decides that the urgency of varying the work prevent a quotation being given and considers not delaying the work, no quotation shall be given and the variation shall be treated as a Compensation Event.

4.12. Payment Terms:

- 4.12.1. The payment will be made on monthly basis on production of bills as per work done in triplicate duly sealed, signed and stamped by contractor and verified and signed by Engineer-in-Charge.
- 4.12.2. In case of bill of quantities where Supply, Installation, Testing and Commissioning is to be carried out for the material supplied, 70% of the amount shall be taken into the consideration as the material supply and payment of the same (i.e. 70% of the rates quoted for the particular quantity) shall be made in the next bill being submitted keeping the 30% reserved for the Installation, Testing and Commissioning part. The reserved 30% on the account of the Installation, Testing and Commissioning shall be paid only after complete Installation, Testing and Commissioning.
- 4.12.3. **Interest:** No claim of interest will be entertained by the Employer with respect of any money or balances which may be in its hands owing to any dispute between itself and the Contractor or with respect to any delays on the part of the Employer in making interim or final payment or otherwise.

4.13. Compensation Events

- 4.13.1. The following mutually agreed Compensation Events unless they are caused by the Contractor would be applicable.
- 4.13.1.1. The Employer does not give access to a part of the Site by the Site.
- 4.13.1.2. The Employer modifies the schedule of other contractors in a way which affects the work of the contractor under the contract.
- 4.13.1.3. The Nodal Officer or his nominee orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
- 4.13.1.4. The Nodal Officer or his nominee instructs the Contractor to uncover to carry out additional tests work which is then found to have no Defects.
- 4.13.1.5. The Nodal Officer or his nominee unreasonably does not approve for a subcontract to be let.
- 4.13.1.6. Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of letter of Acceptance from the information issued to Bidders (including the Site Investigation Reports), from information available publicly and form a visual inspection of the site.
- 4.13.1.7. The Nodal Officer or his nominee gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
- 4.13.1.8. Other contractors, public authorities, utilities or the Employer does not work within the dates and other constraints stated in the Contract that cause delay or extra cost to the Contractor.
- 4.13.1.9. The advance payment is delayed, if applicable.
- 4.13.1.10. The effect on the Contractor of any of the Employer's Risks.
- 4.13.1.11. The Nodal Officer or his nominee unreasonably delays issuing a Certificate of Completion.
- 4.13.1.12. Other Compensation Events listed in the Contract Date or mentioned in the contract.
- 4.13.1.13. Whenever any compensation event occurs, the contractor will notify the employer, within 14 days and provide a forecast cost of the compensation event.
- 4.13.2. If a Compensation Event would cause additional cost or would prevent the work being completed before the intended Completion Date, the Contract Price shall be increased and/or the intended Completion Date shall be extended. The Nodal Officer or his nominee shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.
- 4.13.3. As soon as information demonstrating the effect of each Compensation Event upon the Contractor's forecast has been provided by Contractor, it is to be assessed by the Nodal Officer or his nominee and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable the Nodal officer or his nominee shall adjust the Contract Price based on Nodal Officer or his nominee's own forecast. The Nodal Officer or his nominee will assume that the Contractor will react competently and promptly to the

event.

4.14. Taxes:

4.14.1. **Tax:** The prices shall be quoted inclusive of all Taxes [excluding GST], duties, salary and wages of staff, repair and maintenance cost, fuel cost, insurance and other incidentals etc. and should remain firm till completion of work. The employer will perform such duties in regard to the deduction of such taxes at sources as per applicable law.

4.14.2. **GOODS & SERVICE (GST) CLAUSE** The contractor shall quote the price exclusive of GST. The applicable GST shall be paid extra to the contractor after producing GST Invoice as per the certified Bill by the department. However, element of GST shall not consider for evaluation of bid. "Contractor/service provider/supplier etc. has to ensure timely & proper filling of GSTR 1 so that Deendayal Port Authority can avail input tax credit in timely manner. In case DPA not allowed input credit due to failure of part of the contractor/service provider/supplier etc., it will be a financial loss to DPA & therefore same shall be recovered from the payment/deposit of the contractor/service provider/supplier. TDS ON GST TDS provision under GST Acts, 2017 are in force from 01.10.2018 and accordingly TDS under GST Act will be deducted @ 2% (1% CGST and 1% SGST or 2% IGST) from payment / credit give to contractor/ professional and other for work order / contract exceeding Rs. 2,50,000/-

4.14.3. **Deduction of Income-Tax:** Income-Tax deductions and surcharge as applicable thereon shall be made good while making payments due to the contractor for carrying out the work and only net amount shall be paid as directed by the Central Board of Direct Taxes, Ministry of Finance, Government of India.

4.15. Deduction:

4.15.1. Deduction of taxes/income tax at source shall be made from the any bill of the Contractor in accordance with the prevailing rules of Govt.

4.15.2. Any dues arising out of failure on the part of the Contractor to carry out any obligation under the contract shall be deducted from the bills of the Contractor or from any money due to the Contractor from this contract or any other contract.

4.16. Damage to Port Properties: Contractor shall be responsible for making good to the satisfaction of the Officer-In-Charge for any loss or any damage to all structures and properties by the contractor or by his workers, within OOT Department limit. If such loss or damage is due to fault and/or the negligence or willful acts or omission of the contractor, his employee agents, representatives or sub-contractors, he shall make good the loss as assessed by the Engineer-In-Charge. In case the Contractor fails to repair/replace the damage, Deendayal Port Authority shall have the right to take steps to make good the damages and all the cost on this account shall be recovered from the bills of the Contractor or any money due to the Contractor from this contract or any other contract or any other transaction. In determination of the damage, the opinion of the Nodal officer shall be conclusive.

4.17. Liquidated Damages/Penalty, if any: In case of delay of contract, liquidated damage [LD] may be levied at the rate of ½% of the contract value per week of delay or part thereof, subject to a maximum of 10% of the contract price.

4.17.1. In case of delay in completion of the contract, liquidated damages (L.D.) may be levied at the rate of 1/2% of the contract value per week of delay or part thereof, subject to a maximum of 10 per cent of the contract price.

4.17.2. The employer, if satisfied that the works can be completed by the contractor within a reasonable time after the specified time for completion, may allow further extension of time at its discretion with or without the levy of L.D. In the event of extension of time at its discretion with L.D., the owner will be entitled without prejudice to any other right or remedy available in that behalf per cent (1/2%) of the contract value of the works for each week or part of the week subject to the ceiling defined.

4.17.3. The employer, if not satisfied that the works can be completed by the contractor, and in the event of failure on the part of the contractor to complete work with in further extension of time allowed as aforesaid, shall be entitled, without prejudice to any other right, or remedy available in that behalf, to rescind the contract.

4.17.4. The employer, if not satisfied with the progress of the contract and in the event of failure of the contractor to recoup the delays in the mutually agreed time frame, shall be

entitled to terminate the contract.

4.17.5. In the event of such termination of the contract as described in clauses (ii) or (iii) or both the owner shall be entitled to recover L.D. up to ten percent (10%) of the contract value and forfeit the security deposit made by the contractor besides getting the work completed by other means at the risk and cost of the contractor. In case part/portion of the work can be commissioned and part operates the portion for commercial purpose the rate of L.D. will be restricted to the uncompleted value of work, the maximum L.D. being on the entire contract value.

4.17.6. The ceiling of LD shall be 10% of the cost of work

4.17.7. In case part/portions of the work can be commissioned and part operates the portion for commercial purpose, the rate of LD will be restricted to the uncompleted value of work, the maximum LD being on the entire contract value.

Note: Contract price for LD shall be inclusive of tender price plus taxes and duties.

4.18. Escalation, if any: No Escalation of rate during the period of contract will be entertained.

4.19. Cost of Bidding: The Bidder shall bear all costs associated with the preparation and submission of the Bid and Deendayal Port Authority will, in no case, be responsible or liable for those costs regardless of the conduct or outcome of the bidding process.

5. Section – 5: General Conditions of Contract

5.1. Definitions: In the Contract (as hereinafter defined) the definition of the following words and expressions shall have the meanings hereby assigned to them except where the context otherwise requires:

- 5.1.1. **"Employer"** means Board of Trustees of Deendayal Port, a body corporate under the Major Port Trust Act.1963, by notification issued by the Government of India, acting through its Chairman, Dy. Chairman or Engineer-in-Charge or any other officers so nominated by the Board.
- 5.1.2. **"Contractor"** means the person or persons, firm, corporation or company whose tender has been accepted by the employer and includes the Contractor's servants, agents and workers, personal representatives, successors and permitted assigns.
- 5.1.3. **"Contract"** means and includes Tender Documents, Instructions to Bidders, General Conditions of Contract, Drawings, Specifications, and Schedules etc., any amendments thereto, Bid, Letter of Intent, Contract Agreement and the work order.
- 5.1.4. **"Contract Price"** means the total sum of money to be paid by the employer to the contractor on timely completion of the contract work as per Contract including payment for extra work, i.e. as per defined and applicable items of the terms of payment, including any taxes (but excluding GST) and excise duties to be paid to state or central Government.
- 5.1.5. **"Specifications"** means the specification referred to in the tender documents and any modifications thereof or additions thereto or amendments thereto as may be from time to time be furnished or approved in writing by the employer.
- 5.1.6. **"Engineer-in-Charge"** shall mean the concerned officer of DPA looking after execution of subject work.
- 5.1.7. **"Work" or "Works"** shall mean the work to be carried out by the contractor under the contract.
- 5.1.8. The **"Site"** shall mean the whole area and the routes and surrounding areas where the vehicles will ply.
- 5.1.9. **"Approved" or "Approval"** shall mean approval in writing.
- 5.1.10. **"Nodal officer"** shall mean any officer authorized by the Chief Operations Manager for purpose of this contract.
- 5.1.11. **"Day"** means calendar day.
- 5.1.12. **"Months"** are calendar months.
- 5.1.13. **"Trip"** means shift.
- 5.1.14. **"Shift"** means 8 hours' duty hours decided by DPA from time to time.

5.2. Use of Contract Document: The Contractor shall not, without prior consent, make use of any document except for the purpose of performing this contract.

5.3. Resolution of Dispute: The Board and the Contractor shall make every effort to resolve amicably by direct informal negotiations, any disagreement or dispute arising between them in connection with the contract. However, in case of failure of negotiation between the Board and the Contractor, the parties shall refer their present and future disputes relating to the contract itself or arising out of or concerning or in connection with or in consequence of the contract to the Chairman, DPA whose decision shall be final and binding on both the parties. The contract shall be governed by the Indian Contract Act, 1872.

5.4. Jurisdiction of Court: All such disputes, which could not be settled at the intervention of Chairman, DPA, shall be subjected to the jurisdiction of the courts at **Khambhalia**.

5.5. Force Majeure:

5.5.1. In the event that the Contractor is delayed in performing its obligations in the contract, and such delay is caused by force majeure including war, civil resurrection, strikes (other than the strike solely by the Contractor's men), fire, flood, epidemics, earthquakes, extremely adverse climatic conditions, such delay may be excused and the period of such delay may be added to the time of performance of the obligations without any addition to the contract price.

5.5.2. If a force majeure situation arises, the Contractor shall promptly notify the Board in writing of such condition and the cause thereof, **but not later than 7 days from its occurrence**. Unless otherwise directed by the Board in writing, the Contractor shall continue to perform

its obligations under the contract as far as reasonably practicable. The Contractor shall demonstrate to the Board's satisfaction that it has used its best endeavor to avoid or overcome such causes of delay and the parties will mutually agree upon remedies to mitigate or overcome such causes of delay without having any right to any claim on account of such force majeure.

5.5.3. In any other situation, which is beyond the reasonable control of the Contractor in the opinion of the Engineer-In-charge, and where the Contractor has promptly notified the Board in writing about such situation, it may be considered as "Force Majeure" situation.

5.6. Compliance with Statutes, regulations: The Contractor shall comply in all respects, with all statutes and regulations as may be necessary, including clearance from State/ Central Govt. authorities, Pollution Control Boards, labour enforcement and local authorities. The Contractor shall, at all times during the continuance of the contract, so far as it may be necessary, comply with all the existing enactments including Central and State legislation as well as any by-laws of any local authorities regarding labour, particularly the Minimum wages Act, Factories Act, Workmen's Compensation Act, Employees' Provident Fund and Family Pension Fund Act, Employees' State Insurance Act, Contract Labour (Regulation and Abolition) Act, Payment of Wages Act, Maternity Benefit Act, National and Festival Holidays Act, Shop and Establishment Act, The Apprentice Act and keep DPT indemnified against any loss or claim arising out of contravention of the provisions of the above said enactments by the Contractor. The price quoted by the Contractor in the Bill of Quantity shall be deemed to include all expenses whatsoever the Contractor may be required to incur for the compliance with the provisions of the above said legislation. The Contractor shall make necessary arrangements for DPA to witness the payment made by the Contractor to his staff and labour.

5.7. Registers to be maintained by the Contractor:

5.7.1. The contractor has to maintain a register furnishing the name, address and latest photographs, telephone number of the contract personnel engaged by him and posted at the work. This register completed in all respects has to be handed over to the Engineer-in-Charge within 15 days from the date of award of contract.

5.7.2. The contractor has to duly maintain register furnishing the details of duty roster i.e. the shift in which they will attend duty. This register should be checked every morning by the authorized official of the service provider for verification/signature and shall also be made available for inspection to the Engineer-in-charge whenever called for. Any changes in the staff should be intimated to DPA with valid reasons.

5.7.3. The contractor before engaging any person has to get his antecedents checked by the police and the police report to be produced to DPA.

5.7.4. The contractor has to issue identity cards to all his staff engaged by him and shall ensure that the staff shall wear the same while on duty.

5.7.5. The contractor shall keep and maintain attendance register, PF and ESI contribution register, the copy of Bank Account details of the personnel deployed by the contractor and the same shall be made available for inspection of the employer from time to time as and when demanded by the Employer.

5.8. Site Order Book: Site order book is to be maintained by the contractor at the site of work. Orders and instructions written in the order book shall be deemed to have been legally issued to the contractor & the contractor shall sign each entry promptly in the order book as a token of having seen the same. The order book shall be the property of the board & shall be handed over to the Engineer-in-charge of the work in good condition on the completion of the work or whenever required by the Engineer-in-charge.

5.9. Hindrance Register: Hindrance Register should be maintained at site which shall be signed by both the parties i.e. representative of DPA and the Contractor, based on actual facts/evidences.

5.10. No Labour Below 18 Years: No labour below the age of 18 (eighteen) years shall be employed on the work.

5.11. Time Extensions:

- 5.11.1. The Contractor may claim extension of the time limits for commencement of work in case of;
- 5.11.2. Changes ordered by Deendayal Port Authority.
- 5.11.3. Force Majeure.
- 5.11.4. The application for extension of time period should reach before 15 days from the date of expiry of time period of commencing of work.

5.12. Time is the essence of the contract: Time is the essence of the contract and the Contractor shall ensure that all the obligations under the contract are completed within the agreed time schedule. The Contractor shall be solely responsible for all the delays including the delays caused by its vendors. In case of delay in progress of the works, Deendayal Port Authority reserves the right to withhold the payment, cancel the contract unilaterally or complete the work departmentally.

5.13. Entry Permit:

- 5.13.1. Contractor shall obtain Police Clearance Certificate from Police available against a nominal fee per Certificate and they will submit this Certificate giving Work Order reference on it, to the Office of the Nodal Officer of respective Divisions, to be forwarded to Commandant, CISF which is our Security Department along with request for issuance of Entry Passes as and when required.
- 5.13.2. The Contractor shall, if required by the Nodal Officer, deliver to the Nodal Officer a return in detail, in such form and at such intervals as the Nodal Officer may prescribe, showing the staff and numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Nodal Officer may require.

5.14. Action where no specifications are specified: The work shall be carried out in all respects in accordance with the instructions and requirements of the Nodal Officer.

5.15. Engagement of Labour: The contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

5.16. Labour Rules and Other Relevant Rules: The contractor shall unless otherwise provided in the contract, make his own arrangement for engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport. The contractor shall, if required by the Nodal officer or his nominee, deliver to the Nodal officer or his nominee a return in details, in such form and at such intervals as the Nodal officer or his nominee may prescribe showing the staff and number of the several classes of labour from time to time employed by the contractor on the site and such other information as the Nodal officer or his nominee may require.

5.17. Compliance with labour regulation:

- 5.17.1. During continuance of contract, the contractor and his sub-contractor shall abide at all time by existing labour enactment and rules made there under, regulation notifications and by laws of the state or Central Government or local authority and any others labour law (including rules) regulations by laws they may be passed or notification that may be issued under any labour law in future either by the state or Central Government or the local authority. Salient features of some of the majored labour laws that are applicable to construction industry are given below.
- 5.17.2. The contractor shall keep the employer indemnified in case any action is taken against the employer by competent authority on account of contravention of the provision of any Act or rules made there under, regulations or notification including amendments.
- 5.17.3. If the employer is caused to pay or reimburse such amount as may be necessary to cause or observe or for non-observance of the provision stipulated in the notification/by laws/acts/rules/regulation including amendments, if any on the part of contractor the Nodal officer or his nominee/Employer shall have the right to deduct any money due to the contractor including his amount of preference security. The Employer/Nodal officer or his

nominee shall also have right to recovery from the contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer. The employees of the contractor and the Sub-contractor in no case shall be treated as the employees of the Employer at any point of time.

5.18. Salient features of some Major Laws applicable to establishment engaged in Building and other Construction Work

- 5.18.1. **Workmen compensation Act 1923:** The act provides or compensation in case of injury by accident arising out of and during the course of employment.
- 5.18.2. **Payment of Gratuity Act 1972:** Gratuity is payable to an employee under the act on satisfaction of certain conditions on separation if an employee has completed 5 years' service or more on death at the rate of 15 days wages for every completed year of service. Act is applicable to all establishment employing 10 or more employees.
- 5.18.3. **Employee P.F. and miscellaneous provision Act 1952:** The Act provision for monthly contribution by the employer plus worker @ 12%/ 8.33% the benefits payable under the Act are (i) Pension retirement or death as the case may be. (ii) Deposit Linked Insurance on the death in harness of the worker. (iii) Payment of P.F. accumulation on retirement/death etc.
- 5.18.4. **Maternity Benefit Act 1951:** The act provides for leave and some others benefits to workmen employees in case of confinement or miscarriage etc.
- 5.18.5. **Contract Labour (Regulation & Abolitions Act 1970):** The Act provides for certain welfare measure to be provided by the contractor labour and in case the contractor fails to provide the same are required to be provide by Principal Employer by law. The Principal Employer is required to take Certificate of Registration and the contractor is required to take license from the designated Officer. The Act is applicable to the establishment or Contractor of Principal Employer if they employ 20 or more contract labour.
- 5.18.6. **Minimum Wages Act 1948:** The Employer is supposed to pay not less than the minimum Wage fixed by appropriate Government as per provisions of the Act of employment is a scheduled employment construction of Building Roads, Runways are schedule employment.
- 5.18.7. **Payment of Wages Act 1936:** It lay down as to by what date the wages are to be paid when it will be paid and what deductions can be made from the wages of the worker.
- 5.18.8. **Equal Remuneration Act 1979:** The Act provides for payment of equal wages for work of equal nature to male and female worker and for not making discrimination against Female Employees in the matter of transfer, training and promotion etc.
- 5.18.9. **Payment of Bonus Act 1965:** The Acts applicable to all establishments employing 20 or more employees". The act provides for payments of annual bonus subject to a minimum of 8.33% of wages and maximum of 20% of wages to employees drawing Rs.3500/- per month or less. The bonus to be paid to employees getting Rs.2500/- per month or above up to 3500/- per month shall be worked out by taking wages as Rs.2500/- per month only act does not apply to certain establishments. The newly set-up establishment are excepted for five years in certain establishment some of the state Government have reduced the employment size from 20 to 16 for the purpose of applicable of this Act.
- 5.18.10. **Industrial Disputes Act 1942:** The act lay down the machinery and procedure for resolution of industrial disputes in what situation a strike or lockout became illegal and what are the requirements for laying off or retrenching the employees or cleaning down the establishment.
- 5.18.11. **Industrial employment's (Standing Orders) Act 1946:** It is applicable to all establishments employing 100 or more workmen (employment size reduced by some of the states and Central Government to 50) The provides for laying down rules governing the condition of employment by the Employer on matters provided in the Act and get same certificate by the designated Authority.

- 5.18.12. **Trade Union Act 1926:** The lays down the procedure for registration of trade union of workmen from civil and criminal liabilities.
- 5.18.13. **Child labour (prohibition & regulation) Act 1986:** The Act prohibits employment of children below 14 years of age in certain occupation and processes and provides for regulation of employment of child in all others occupation and processes. Employment of child is prohibited in Building and construction Industries.
- 5.18.14. **Inter-state Migrant workmen's (Regulation of Employment & condition of service) Act 1979:** The act is applicable to an establishment which employs 5 or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment shifted in another state).The Inter State migrant workmen, in establishment to which this Act become applicable, are required to be provided certain facilities such as home, medical aid , travelling expense from home upon the establishment and back etc.
- 5.18.15. **The Building and others construction worker (Regulation of employment and condition of service Act 1996):** All the establishment who carry on any building or other construction work and employs 10 or more ate covered under this Act. All such establishment are required to pay cases at the rate not exceeding 2% of the cost of construction as may be modified by the Government. The employer of the establishment is required to provide safety measures as the Building or construction work and other welfare measure, such as canteens. First Aid Facilities, Ambulance; Housing accommodation for workers near the place etc. the employer to whom the Act applies has to obtain a registration certificate from the Registering Officer appointed by the Government.
- 5.18.16. **Factories Act 1948:** The act lays down the procedure for approval at plan before setting up a factory, health and safety provisions, welfare provision, working, hour's occurrence to designated authorities. It is applicable to premises employing 10 persons in manufacturing process.
- 5.19. Sub Contracts:** The Contractor shall not be allowed to engage any sub-contract for all or any part of this contract.

5.20. Undertaking by the Contractor:

- 5.20.1. Having understood all the terms and conditions of the tender document and having assessed the site conditions, we hereby confirm that the price offered by us is a firm price and includes all the taxes (excluding GST), duties, fees, Cess etc. and all incidental charges.
- 5.20.2. The contractor shall have to obtain necessary license from the Assistant Labour Commissioner (Central), Rajkot in case he has to engage 10 or more workers on any day during the execution of work.
- 5.21. Conduct:** The Contractor, at all times during the tenure of contract, shall take all measures to prevent any unlawful, riotous or disorderly conduct by or amongst his staff at the site and for the preservation of peace and protection of persons and property at the work site as well as in the enactment of the works.
- 5.22. Accident:** The Contractor shall, within 24 hours of the occurrence of any accident, at or about the work site or in connection with execution of the contract, report such accidents to the Executive Engineer (Civil) giving all the details in writing. He shall also provide additional information about the accident as requested by the Nodal Officer.
- 5.23. Watch and Ward:** During the execution of the contract, it shall be the responsibility of the Contractor to arrange watch and ward of the vehicles and the belongings of the contractor at his own cost till completion of the work.

5.24. Termination of Contract:

- 5.24.1. The employer or the Contractor may terminate the contract if the other party causes a fundamental breach of the contract.
- 5.24.2. Fundamental breaches of contract include, but shall not be limited to the following:
 - 5.24.2.1. The contractor stops work for 28 days when no stoppage of work is shown on the current program and the stoppage has not been authorized by the Nodal Officer or his nominee.
 - 5.24.2.2. The Nodal Officer or his nominee instructs the contractor to delay the progress of the work and the instruction is not withdrawn within 28 days.
 - 5.24.2.3. The employer or the contractor becomes bankrupt or goes into liquidation other than for a reconstruction restructure or amalgamation.
 - 5.24.2.4. A payment certified by the Nodal Officer or his nominee is not paid by the employer to the contractor within 50 days of the date of the Nodal Officer or his nominee's certificate.
 - 5.24.2.5. The Nodal Officer or his nominee gives Notice the failure to correct a particular defect is a fundamental breach of contract and the contractor fails to correct it within a reasonable period of time determined by the Nodal Officer or his nominee.
 - 5.24.2.6. The contractor does not maintain a security which is required.
 - 5.24.2.7. The contractor has delayed the completion of works by the number days for which the maximum amount of liquidated damages can be paid as defined in the contract data and
 - 5.24.2.8. If the contractor, in the judgment of the employer has engaged in corrupt or fraudulent practices in competing for or in the executing the contract.
 - 5.24.2.9. For the purpose of this paragraph: "corrupt practice" means the offering, giving receiving or soliciting of anything of value to influence the action or public officials in the procurement process or in contract execution.
 - 5.24.2.10. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the employer, and includes collusive practice. Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the employer of the benefits of free and open competition".
- 5.24.3. When either party to the contract gives notice of a breach of contract to the Nodal Officer or his nominee for a cause other than those listed under sub clause 5.20.2 above the Nodal Officer or his nominee shall decide whether the breach is fundamental or not.
- 5.24.4. Notwithstanding the above, the employer may terminate the contract for convenience subject to payment of compensation to the contractor including loss of profit on uncompleted works. Loss of profit shall be calculated on the same basis as adopted for calculation of extra/additional items.
- 5.24.5. If the contract is terminated the Contractor shall stop work immediately, make the site safe and secure and leave the site as soon as reasonably possible.

5.25. Payment upon Termination

- 5.25.1. If the contract is terminated because of a fundamental breach of contract by the contractor, the Nodal Officer or his nominee shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the contract data.
- 5.25.2. Additional Liquidated damages shall not apply. If the total amount due to the Employer exceeds any payment due to the contractor, the difference shall be a debt payable to the Employer.
- 5.25.3. If the contract is terminated at the employer's convenience or because of a fundamental breach of contract by the employer, the Nodal Officer or his nominee shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment repatriation of the Contractor's personnel employed solely on the works, and the contractor's costs of protecting and securing the works and loss of profit on uncompleted works less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

5.26. Arbitration Clause:

- 5.26.1. Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used on the work or as to any

other question, claim, right, matter or any other thing whatsoever, in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders, or to the conditions or otherwise concerning the work or regarding the execution or failure to execute the same whether arising during the progress of the work or after the completion thereof as described hereinafter shall be referred to the Chairman for sole arbitration by himself or by any officer appointed by him.

- 5.26.2. It will be no objection to any such appointment that the arbitrator is an employee of the Board or the Government, that he had to deal with the matters to which the contract relates and that in the course of his duties as an employee of the Board of the Government, he had expressed views on all or any of the matters in dispute or of difference.
- 5.26.3. The arbitrator, who has been dealing with the arbitration case, being transferred or vacating his office or in the event of his death or being unable to act for any reason, the Chairman then holding the office shall arbitrate himself or appoint any officer to act as arbitrator.
- 5.26.4. It is also a term of this contract that no person other than the Chairman himself or any officer appointed by him shall act as arbitrator.
- 5.26.5. It is a term of this contract that only such questions and disputes as were raised during the progress of other work till its completion and not thereafter shall be referred to arbitration. However, this would not apply to the questions and disputes relating to liabilities of the parties during the guarantee period after completion of the work.
- 5.26.6. It is a term of the contract that the party invoking arbitration shall give a list of disputes with amount of claim in respect of each said disputes along with the notice seeking appointment of arbitrator.
- 5.26.7. It is also a term of the contract that if the Contractor does not make any demand for appointment of arbitrator in respect of any claims/disputes in writing, as aforesaid, within 120 days of receiving the intimation from the Nodal Officer that the final bill is ready for payment, the claim of the Contractor shall be deemed to have been waived and absolutely barred and the Port Trust shall be discharged and released of all liabilities under the contract in respect of these claims.
- 5.26.8. It is also a term of the contract that the arbitrator shall adjudicate only such disputes/claims as referred to him by the appointing authority and give separate award against each dispute/ claim referred to him. The arbitrator will be bound to give claim wise detail and speaking award and it should be supported by reasoning.
- 5.26.9. The award of the arbitrator shall be final, conclusive and binding on all the parties to Contractor.
- 5.26.10. The arbitrators from time to time, with the consent of both the parties, enlarge the time for making & publishing the award.
- 5.26.11. Arbitration shall be conducted in accordance with the provisions of Indian Arbitration Act, 1996 or any statutory modifications or e-enactment thereof and rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.
- 5.26.12. It is also a term of the contract that if any fees are payable to the arbitrator, this shall be paid equally by both the parties.
- 5.26.13. It is also a term of a contract that the arbitration shall be deemed to have been entered on the reference on the date he issues the first notice to both the parties calling them to submit their statement of claims and counter statement of claims.
- 5.26.14. Venue of the arbitration shall be such place as may be fixed by the arbitrator at his sole discretion.

5.27. Indemnification: The Contractor shall indemnify, protect and defend at its own cost, Deendayal Port Trust and its agents & employees from & against any/all actions, claims, losses or damages arising out of:

- 5.27.1. any violation by the Contractor in course of its execution of the contract of any legal provisions or any right of third parties;
- 5.27.2. Contractor's failure to exercise the skill and care required for satisfactory execution of the contract.

5.28. Nodal Officer or his nominee's decision: Except where otherwise specifically stated, the Nodal Officer or his nominee will decide contractual matters between the employer and the Contractor in the role representing the employer.

5.29. Delegation: The Engineer-in-Charge or his nominee may delegate any of the duties and responsibilities to other people after notifying the Contractor and may cancel any delegation

after notifying the Contractor.

5.30. Communications: Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act 1872).

5.31. Personnel:

5.31.1. The Contractor shall employ the key personnel named in the Schedule of Key Personnel as referred to in the Contract Data to carry out the functions stated in the Schedule or other personnel approved by the Nodal Officer. The Nodal Officer will approve any proposed replacement of Key personnel only if their qualifications, abilities, and relevant experience are substantially equal or better than those of the personnel listed in the Schedule.

5.31.2. If the Nodal Officer asks the Contractor to remove a person who is a member of the Contractor's staff of his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connections with the work in the Contract.

5.32. Safety: The Contractor shall be responsible for the safety of the vehicle, his staff as well as passengers.

5.33. Memorandum of Settlement: The Contractor shall not sign any memorandum of settlement with any agency such as Trade Unions etc. in any form at any level without the prior written permission of the employer in relation to any work undertaken by him in the Port premises.

5.34. Deviations: The bidder must read the tender document carefully and prepare the bid for submission. It is important to note that deviations, if any, must be brought out clearly in the technical offer, which shall be examined by Deendayal Port Authority. If the deviation statement submitted by the bidder does not contain any item, then it shall be construed that the bidder has accepted the same and no request from the Contractor, for any change, shall be accepted by DPA at a later stage. In any case, no change in specifications given in the tender agreement shall be permitted. However, only in unavoidable circumstances, Deendayal Port Authority may consider such requests from the Contractor, provided the Contractor submits its request with adequate justification.

5.35. Insurance: The contractor shall at his own costs and expenses obtain and shall cause any subcontractor to obtain such insurance as may be necessary to cover the liability of the contractor or as the case may be of such subcontractor in respect of personal injuries and death arising out of or in the course of or caused during the execution of the works and shall produce or cause any such subcontractor to produce for inspection the relevant policy or policies together with receipt for the premium paid under such policy/policies as and when required by the Employer.

6. Section – 6: Price Bid/ Bill of Quantities
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Separate Sheet attached

7. Section – 7: Drawings

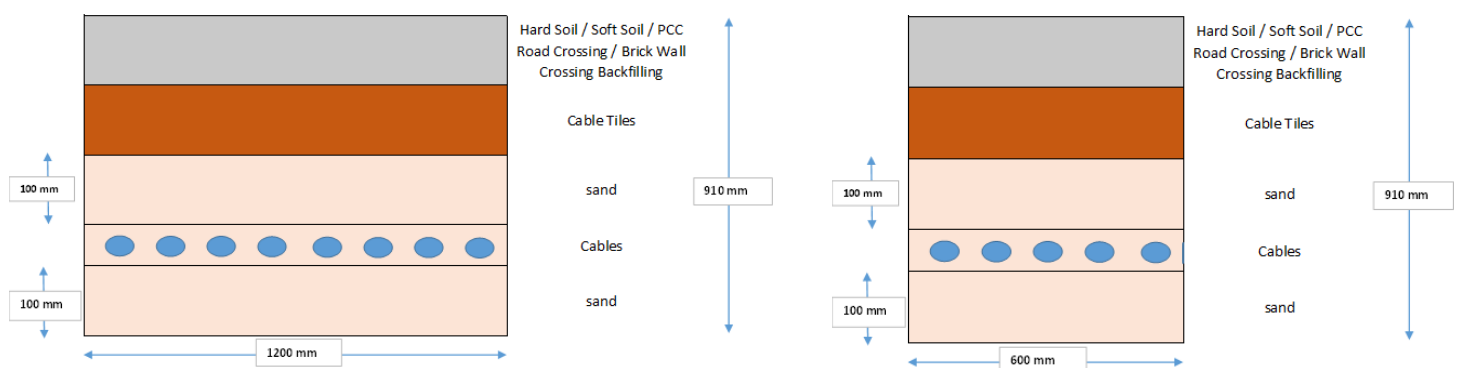
Separate Drawings attached

8. Section – 8: Special Conditions for this particular work (scope of work)

8.1 Special Condition for Excavation work

- The trench is to be excavated as per the BOQ item no. 1 (i) (a), 1 (i) (b), 1 (ii) (a) and 1 (ii) (b).
- This includes laying of single length cables up to 3.5/4.0 core x 240 sq.mm L.T. armored aluminum Conductor XLPE Cable of 1.1KV Grade through excavation in Hard Soil / Soft Soil / PCC Road Crossing / PCC Flooring / Brick Wall Crossing.
- The bed of 100mm of sand (clean sand type of soft, fine aggregate that is typically graded between 1 and 2 mm of uniform size) shall be provided at the bottom of the excavated trench. The cable shall be laid over the bed of sand (clean sand type of soft, fine aggregate that is typically graded between 1 and 2 mm of uniform size) with the help of with the help of winches, jacks, rollers, pulleys, etc. without damaging the cable. The cable shall be protected as per Sketch shown below by providing 100mm of sand bed (clean sand type of soft, fine aggregate that is typically graded between 1 and 2 mm of uniform size) above the cables & the gaps shall also be filled with sand (clean sand type of soft, fine aggregate that is typically graded between 1 and 2 mm of uniform size).
- The cable shall be covered by laying cable tiles on top of it as shown in the sketch.
- The back filling of the trench shall be done with the excavated stuff (Hard Soil / Soft Soil / PCC Road Crossing / PCC Flooring / Brick Wall Crossing) & should be watered and rammed properly and to be restored in its original position i.e. Hard Soil / Soft Soil / PCC Road Crossing / PCC Flooring / Brick Wall Crossing. The excess excavated stuff shall be disposed of from the Site of work and spreaded in low laying area as directed.
- The contractor shall provide heat shrinkable straight through joint of relevant size of approved make if the laying of cable shall be more than standard drum length i.e. 500m.
- After completion of the backfilling process there will be set up of LT Cable Route Marker which is 50m apart with each other.

Sketch



For BOQ item no. 1 (i) (a) 1.2 meter wide, 0.91 meter deep

For BOQ item no. 1 (i) (b) 0.6 meter wide, 0.91 meter deep

8.2 Special Condition for Excavation work for HDPE Pipe

- a) The trench is to be excavated as per the BOQ item no. 1 (iii) (a) and 1 (iv).
- b) This includes supplying and laying of standard length of minimum 35 mm Inner Diameter DWC HDPE (Double wall corrugated high density polyethylene) pipes in Excavated Trench.
- c) Separate DWC HDPE pipes to be supplied and Individual Cables shall be passed through the supplied DWC HDPE pipes.
- d) The cable shall be pass through heavy duty DWC HDPE pipe and it is to be laid down inside the trench excavated as per the BOQ item no. 1 (iii) (a) and 1 (iv).
- e) Coupling of the HDPE pipes by HDPE socket to be carried out only after standard length and to be followed by sealing of HDPE pipe ends by suitable cap.
- f) The back filling of the trench shall be done with the excavated stuff (Hard Soil / Soft Soil / PCC Road Crossing / PCC Flooring / Brick Wall Crossing) & should be watered and rammed properly and to be restored in its original position i.e. Hard Soil / Soft Soil / PCC Road Crossing / PCC Flooring / Brick Wall Crossing. The excess excavated stuff shall be disposed of from the Site of work and spreaded in low laying area as directed.
- g) This Specification covers design, manufacturing, testing, packing, supply, installation of DWC HDPE Pipe as mentioned above.

Technical Parameters:

- I. DWC high density Polyethylene pipe shall have corrugation on outer wall but inner wall shall be plain, conforming to IS – 14930 Part I and II amended from time to time.
- II. Terminology as defined in IS: 14930 shall be followed.
- III. DWC HDPE pipe to be supplied shall be 'ISI' marked.
- IV. Accessories like HDPE snap fit coupler with neoprene 'O' ring shall be part of supply to make the joints water / damp proof.
- V. Visual Requirement: The Pipe shall be checked visually for ensuring good workmanship that the pipes shall be free from holes, breaks and other defects. The ends shall be cleanly cut and shall be square with axis of the pipes.
- VI. Colour: The purchaser shall supply only single colour DWC HDPE pipe.
- VII. Dimensions: The dimensions of the DWC HDPE pipe shall be as per requirement /BOQ.
- VIII. Standards Length: Pipe up to 35 mm inner diameter size shall be supplied in standard length of 100 mtr. $\pm 1\%$ or 6 mtr $\pm 1\%$.
- IX. Compression Strength: The conduit system shall have adequate mechanical strength. Conduits when bent or compressed either during, or after, installation according to manufacturer's instructions, shall not crack and shall not be deformed to such an extent that introduction of the insulated conductors or cables becomes difficult or that the installed insulated conductors, or cables are likely to be damaged while being drawn in. Compliance may be checked with the application of force which shall be at least 450 N, when reaching the deflection of 5%.
- X. Resistance to Flame Propagation: Non flame propagating pipes shall have adequate resistance to flame propagation.
- XI. Anti-Rodent Properties: Safety of pipes from the direct attack of subterranean organism anti rodent material is of utmost importance. These pipes shall be evaluated for their safety against rodents before laying them in the fields.
- XII. Marking Identification: The conduit shall be prominently marked at regular intervals along their length of preferably 1m but not longer than 3m using indelible ink with following.
 - Manufacturers name
 - Specification No.
 - Name of the duct with size

- Lot No. of the Product
- Date of manufacture
- Purchaser's Name/symbol

8.3 Special Condition for Main Distribution Panel

- This includes supply, installation testing and commissioning of Main Distribution Panel Indoor type, pedestal type fabricated from 2mm thick powder coated metal sheet, along with suitable type of angles.
- The entry of all the cable will be from bottom side.
- The panel shall be duly certified by CPRI/ERDA standards.
- This includes providing and fixing of Heat shrink indoor/outdoor end terminations of 3.5 /4 core LT 1.1 KV grade PVC-A-PVC/XLPE Cables, including providing fixing of Aluminum Solder Less Lugs & glands of suitable size with all required materials.
- The work includes all labour, tools tackles, indoor/outdoor heat shrink end terminations kit of approved make and necessary fabrication work on gland plate of the panel as directed by Engineer-in-Charge.

The switchgear to be fixed as follow:

- Incomer:** Air Circuit Breaker (ACB) electrical draws out type of 1000 Amps, 415V, 50HZ, 4pole 50kA with multi protection relay with Digital multifunction meter - 1 No.
- Outgoing Feeders:** MCCB 250 Amps, 415V, 50Hz, 36kA (microprocessor based release O/L with Ics= 100% Icu) with extended terminal with Digital multifunction meters with bolted type Bimetallic Connector to connect 240 sqmm to 300 sqmm aluminum cable - 09 Nos.
- Street Light Feeder:** MCCB 125 Amps, 415V, 50Hz, 36kA (microprocessor based release O/L with Ics= 100% Icu) with extended terminal with Digital multifunction meter with Digital Timer with 3 pole 50 Amp power Contactor set - 01 No.
- Aux. Supply Feeder:** 4 pole 63 Amp. 10kA MCB - 01 No.
(Make: DPA Approved Make)

TECHNICAL SPECIFICATIONS OF MAIN DISRIBUTION PANEL			
Sr. no.	Technical parameters	As Per Specification	To Be Filled By The Supplier
CONSTRUCTIONAL FEATURES			
1	Manufacturer's name	To be specified by supplier	
2	Rated operational voltage	415 V, 3 Ph., 4 wire, 50 Hz, AC	
3	Rated insulation voltage	1.1 KV	
4	Rated short time withstand current	50kA	
5	Rated current	As specified in Tender	
6	Sheet steel thickness	1.6mm (min.) CRCA for doors, 2.0mm for load bearing members and gland plates	
7	Degree of protection for enclosure	IP 52	
8	Compartmentalized single front	Single front	
9	Design Ambient temperature	50° Celsius	
10	Incoming Entry	Bottom	

11	Outgoing cable entries	Bottom	
12	Dimensions (L x B x H)	Approximate dimensions shall be specified	
13	Approx. weight	Approximate weight shall be specified	
14	Paint shade	RAL 7035 / RAL 7032	
15	Min and Max Operating height	300 mm to 1800 mm from bottom of the base channel	
16	Required operating clearances front, sides & rear	To be specified by supplier	
17	Tier formation	Single tier for ACB feeders and multi-tier for others. Width of single vertical shall be 600 mm minimum for ACB feeders, 500mm minimum for MCCB feeders, maximum up to 5 feeders in vertical.	
18	Type of Mounting	Floor mounting with base channel of 75 mm for Power Control Centre (PCC)	
19	Type of termination all O/G cables	Above 100A Bus bar and others thru suitable rating stud type terminals shall be used	
20	Indication lamps	Indication (RYB & ON,OFF,TRIP) lamps at the Incoming and for outgoing (on) indication shall be provided.	
21	Door interlock	To be provided	
22	Minimum clearances in air		
	a) between phases	25.4 mm	
	b) between live parts and ground	19 mm	
23	All feeders shall be provided with ammeter, 3 CT as per tender.	To be provided by supplier	

BUSBARS

1	Material for main bus bar	Copper	
2	Cross – section of main bus bar	To be specified by the supplier- for current density 1Amp/sq.mm at rated current	
3	Max Continuous current rating at design ambient temperature of main bus bar inside the chamber	85° C	
4	Bus connections to circuit breakers	As per rated currents of circuit breakers	
5	Rated short circuit current	35 KA	
6	Rated insulation voltage for Insulator supports	To be specified by supplier	
7	Material of main bus bar supports	To be specified by supplier	
8	Materials of earth bus bar	GI 50 x 6 mm (min.)/ Aluminum 50 X6 mm for PCC	

AIR CIRCUIT BREAKER			
1	Make	DPA approved make	
2	Type	To be specified by supplier	
3	Type of breaker	Fully draw-out, air break	
4	Ambient temperature	50 degree centigrade	
5	Rated insulation voltage	To be specified by supplier	
6	Breaker rating	As per Single line Diagram	
7	Rated short-circuit making capacity	105 KA (peak)	
8	Rated ultimate short circuit breaking capacity	50 kA.	
9	Rated service short-circuit breaking capacity	50 kA	
10	Rated short time withstand current	50 kA for 1 Sec.	
11	Type of release Microprocessor based, protection functions O/C/SC/EF with options for both for inverse & definite time	The ACB- shall be Microprocessor based E/F, IEF, O/C, & S/C releases and shall be 4 pole for all incomer in PCC. The ACB shall be electrically operated, motorized spring charging along with manual spring charging in cases of electrical failure. Model no & relevant catalogues shall be submitted	
12	Rated current of over current trip device	To be specified by the supplier	
13	Features of o/c trip device	To be provided	
14	Function blocking selection	To be provided	
15	Fault visual indication	To be provided	
16	Self-test facility with breaker in isolated position	To be provided	
17	Visual indication for self-check	To be provided	
18	Site selectable inverse/definite time characteristic for E/F and S/C	To be provided	
19	Type for I/C feeders operation	Motorized	
20	Type for O/G feeders	MDO/ EDO as per SLD	
21	Trip free design	Trip free, stored energy	
22	Electrical and mechanical anti-pumping feature.	To be provided	
23	Auxiliary supply for Voltage &	110 V, 1 Ph., 50 Hz., AC. Range : 70 – 110 % for trip coil, 80-100% for closing coil & spring	

	permissible range for spring charging motor, CLOSING & TRIPPING COIL	charging	
24	Mechanical indicator for Spring charged / discharged, electrical indication for ON/OFF/TRIP	To be provided	
25	Shunt trip	To be provided in PCC	
26	Utilization category	B	
27	Quantity and rating	As per Tender	
MOULDED CASE CIRCUIT BREAKERS (MCCBs)			
1	Make	DPA approved make	
2	Type	Air break	
3	Rated insulation voltage	To be specified by supplier	
4	Rated ultimate breaking capacity	35KA / 25KA	
5	Rated short circuit braking capacity	105 kA	
6	Rated service short-circuit capacity	35KA / 25KA	
7	Protective device type	The MCCB - shall be Microprocessor based O/C, & S/C releases for All incomers and outgoings in PCC/AC/ Heater panels. Model no & relevant catalogues shall be submitted	
8	Door interlock	To be provided	
9	Utilization category	B	
10	Visual indication for status (LED indication ON/OFF/TRIP)	To be provided	
CURRENT TRANSFORMERS			
1	Make	DPA approved make	
2	Type	Tape Wound	
3	CT secondary	5A	
4	Accuracy Class for Metering	1, ISF < 5	
5	One minute p.f. Withstand voltage	2.5 kV RMS	
6	Burden	10 / 5 VA	
7	Applicable standards	IS : 2705 (1992)	
Ammeters / Voltmeters/MFM meters			
1	Make	To be specified by supplier	
2	Type	Digital	
3	Accuracy class	Cl-1	
4	Size	96 x 96 mm	

8.4 Special Condition for Auxiliary Distribution Panel

- a) This includes supply, installation testing and commissioning of Auxiliary Distribution Panel Indoor type, pedestal type fabricated from 2mm thick powder coated metal sheet, along with suitable type of angles.
- b) The entry of all the cable will be from bottom side.
- c) The panel shall be duly certified by CPRI/ERDA standards.
- d) This includes providing and fixing of Heat shrink indoor/outdoor end terminations of 3.5 /4 core LT 1.1 KV grade PVC-A-PVC/XLPE Cables, including providing fixing of Aluminum Solder Less Lugs & glands of suitable size with all required materials.
- e) The work includes all labour, tools tackles, indoor/outdoor heat shrink end terminations kit of approved make and necessary fabrication work on gland plate of the panel as directed by Engineer-in-Charge.

The switchgear to be fixed as follow:

- I. **Incomer:** Air Circuit Breaker (ACB) electrical draws out type of 800 Amps, 415V, 50HZ, 4pole 50kA with multi protection relay with Digital multifunction meter - 1 No.
- II. **Change Over Switch:** 800 Amps, 415V, 50Hz with extended terminal with bolted type Bimetallic Connector to connect 240 sqmm to 300 sqmm aluminum cable - 01 Nos.
- III. **Outgoing Feeders:** MCCB 250 Amps, 415V, 50Hz, 36kA (microprocessor based release O/L with Ics= 100% Icu) with extended terminal with Digital multifunction meters with bolted type Bimetallic Connector to connect 240 sqmm to 300 sqmm aluminum cable - 09 Nos.
- IV. **Street Light Feeder:** MCCB 125 Amps, 415V, 50Hz, 36kA (microprocessor based release O/L with Ics= 100% Icu) with extended terminal with Digital multifunction meter with Digital Timer with 3 pole 50 Amp power Contactor set - 01 No.
- V. **Aux. Supply Feeder:** 4 pole 63 Amp. 10kA MCB - 01 No.
(Make: DPA Approved Make)

TECHNICAL SPECIFICATIONS OF AUXILIARY DISTRIBUTION PANEL			
Sr. no.	Technical parameters	As Per Specification	To Be Filled By The Supplier
CONSTRUCTIONAL FEATURES			
1	Manufacturer's name	To be specified by supplier	
2	Rated operational voltage	415 V, 3 Ph., 4 wire, 50 Hz, AC	
3	Rated insulation voltage	1.1 KV	
4	Rated short time withstand current	50kA	
5	Rated current	As specified in Tender	
6	Sheet steel thickness	1.6mm (min.) CRCA for doors, 2.0mm for load bearing members and gland plates	
7	Degree of protection for enclosure	IP 52	
8	Compartmentalized single front	Single front	
9	Design Ambient temperature	50° Celsius	
10	Incoming Entry	Bottom	
11	Outgoing cable entries	Bottom	
12	Dimensions (L x B x H)	Approximate dimensions shall be specified	
13	Approx. weight	Approximate weight shall be specified	
14	Paint shade	RAL 7035 / RAL 7032	

15	Min and Max Operating height	300 mm to 1800 mm from bottom of the base channel	
16	Required operating clearances front, sides & rear	To be specified by supplier	
17	Tier formation	Single tier for ACB feeders and multi-tier for others. Width of single vertical shall be 600 mm minimum for ACB feeders, 500mm minimum for MCCB feeders, maximum up to 5 feeders in vertical.	
18	Type of Mounting	Floor mounting with base channel of 75 mm for Power Control Centre (PCC)	
19	Type of termination all O/G cables	Above 100A Bus bar and others thru suitable rating stud type terminals shall be used	
20	Indication lamps	Indication (RYB & ON,OFF,TRIP) lamps at the Incoming and for outgoing (on) indication shall be provided.	
21	Door interlock	To be provided	
22	Minimum clearances in air		
	a) between phases	25.4 mm	
	b) between live parts and ground	19 mm	
23	All feeders shall be provided with ammeter, 3 CT as per tender.	To be provided by supplier	

BUSBARS

1	Material for main bus bar	Copper	
2	Cross – section of main bus bar	To be specified by the supplier- for current density 1Amp/sq.mm at rated current	
3	Max Continuous current rating at design ambient temperature of main bus bar inside the chamber	85° C	
4	Bus connections to circuit breakers	As per rated currents of circuit breakers	
5	Rated short circuit current	35 KA	
6	Rated insulation voltage for Insulator supports	To be specified by supplier	
7	Material of main bus bar supports	To be specified by supplier	
8	Materials of earth bus bar	GI 50 x 6 mm (min.)/ Aluminum 50 X6 mm for PCC	

AIR CIRCUIT BREAKER

1	Make	DPA approved make	
2	Type	To be specified by supplier	
3	Type of breaker	Fully draw-out, air break	
4	Ambient temperature	50 degree centigrade	
5	Rated insulation voltage	To be specified by supplier	
6	Breaker rating	As per Single line Diagram	
7	Rated short-circuit making capacity	105 KA (peak)	
8	Rated ultimate short circuit breaking capacity	50 kA.	

9	Rated service short-circuit breaking capacity	50 kA	
10	Rated short time withstand current	50 kA for 1 Sec.	
11	Type of release Microprocessor based, protection functions O/C/SC/EF with options for both for inverse & definite time	The ACB- shall be Microprocessor based E/F, IEF, O/C, & S/C releases and shall be 4 pole for all incomer in PCC. The ACB shall be electrically operated, motorized spring charging along with manual spring charging in cases of electrical failure. Model no & relevant catalogues shall be submitted	
12	Rated current of over current trip device	To be specified by the supplier	
13	Features of o/c trip device	To be provided	
14	Function blocking selection	To be provided	
15	Fault visual indication	To be provided	
16	Self-test facility with breaker in isolated position	To be provided	
17	Visual indication for self-check	To be provided	
18	Site selectable inverse/definite time characteristic for E/F and S/C	To be provided	
19	Type for I/C feeders operation	Motorized	
20	Type for O/G feeders	MDO/ EDO as per SLD	
21	Trip free design	Trip free, stored energy	
22	Electrical and mechanical anti-pumping feature.	To be provided	
23	Auxiliary supply for Voltage & permissible range for spring charging motor, CLOSING & TRIPPING COIL	110 V, 1 Ph., 50 Hz., AC. Range : 70 – 110 % for trip coil, 80-100% for closing coil & spring charging	
24	Mechanical indicator for Spring charged / discharged, electrical indication for ON/OFF/TRIP	To be provided	
25	Shunt trip	To be provided in PCC	
26	Utilization category	B	
27	Quantity and rating	As per Tender	
MOULDED CASE CIRCUIT BREAKERS (MCCBs)			
1	Make	DPA approved make	
2	Type	Air break	
3	Rated insulation voltage	To be specified by supplier	
4	Rated ultimate breaking capacity	35KA / 25KA	
5	Rated short circuit braking capacity	105 kA	
6	Rated service short-	35KA / 25KA	

	circuit capacity		
7	Protective device type	The MCCB - shall be Microprocessor based O/C, & S/C releases for All incomers and outgoings in PCC/AC/ Heater panels. Model no & relevant catalogues shall be submitted	
8	Door interlock	To be provided	
9	Utilization category	B	
10	Visual indication for status (LED indication ON/OFF/TRIP)	To be provided	
CURRENT TRANSFORMERS			
1	Make	DPA approved make	
2	Type	Tape Wound	
3	CT secondary	5A	
4	Accuracy Class for Metering	1, ISF < 5	
5	One minute p.f. Withstand voltage	2.5 kV RMS	
6	Burden	10 / 5 VA	
7	Applicable standards	IS : 2705 (1992)	
Ammeters / Voltmeters/MFM meters			
1	Make	To be specified by supplier	
2	Type	Digital	
3	Accuracy class	Cl-1	
4	Size	96 x 96 mm	

8.5 Special Condition for L.T Outdoor type feeder pillar Panel

The work includes SITC of L.T Outdoor type feeder pillar. The LT feeder pillar panels to be used for conversion of overhead power distribution network to underground Cable network at Vadinar colony, including supply of all Equipments/Materials, Erection (including Civil Works), Cable Termination, Testing and Commissioning. The Feeder Pillar shall conform to the specific Technical installed requirement specified hereunder.

- a) Rated Voltage - 415 V + 10%
- b) Rated Frequency - 50 HZ
- c) Continuous Current Rating - 250 Amps
- d) Type - Out door
- e) Mounting - On concrete foundation.
- f) Suitable for - 3 ph 4 wire with earthed Neutral
- g) Maximum system Voltage - 1.1KV
- h) Rated short Circuit Level – 35kA @ 400V.

Feeder Pillar Box shall be suitable for the purpose for which we are intended to be used. Each feeder pillar shall be complete with following accessories:

- I. 4 Pole MCCB 200 Amps, 415V, 50Hz, 35kA with extended terminal series -01Nos.
- II. Electrolytic copper bus bar of suitable size.
- III. Digital timer with 24 hrs. day time setting with LCD display-1No.
- IV. Three phase contactor of 415v, 50HZ, 50Amp coil voltage 415v AC.-1No.
- V. 4Pole MCCB 125 Amp D series, 25/35KA, 415volts, 50 HZ Din mounting- 06Nos.
- VI. Bolted type Connector strip for connecting Incoming/Outgoing cable suitable for connecting 16 sq.mm to 120 sq.mm aluminum cables. The work includes all material & labour required shall do as directed by Engineer-in-charge.
- VII. Din rail connector for terminating I/C & O/G cables, two no's earth connections, neoprene gasket on doors edge, lock& key arrangement.
- VIII. Suitable capacity of Ammeter, Voltmeter, Selector switch, Phase indicators.

Feeder Pillar Box shall have access for sufficient ventilation and head description.

The cable entry and exit shall be from bottom of the panel. The design of the panel/box must be such as to facilitate easy removal of the cable during erection and repair by suitable bolting the box cover and sliding the bottom gland plates. The panel shall be provided with suitable gland and clamps for fixing the cable rigidly. The feeder pillar box shall be suitable for 1.1kV 4 core 120sqmm to 16 Sq.mm armored UG cable, clearance inside the box must be such as to offer fair working facilities during erection and maintenance. The inside surface of the box shall be insulated by fiber sheet to withstand 1.1 kV insulation to prevent flash over. The box shall be vermin proof and dust proof. Louvers of suitable size shall be provided in the side for ventilation and to prevent the entry of dust and insect. The box shall have **double door** (self-closing type) fitted with internal type door lock with common key for all the boxes and shall give maximum protection to the interior of the box. The feeder pillar boxes shall be made of 2.5 mm thickness CRCA sheet with permanent paint on clean surface after chemical treatment. The Feeder Pillar Box shall be suitable to mount on Cement concrete foundation. Necessary provision for foundation bolt in the pillar shall be made for SS foundation bolts.

The feeder pillar panel shall be designed to work satisfactorily under following service conditions:

Sr.	Title	Indian Standard
1	Supply Voltage	3 phase neutral, AC 433Volt +/-10%
2	Supply Frequency	50 Hz +/-5%
3	Location of panel	Outdoor, on foot path or roadside
4	Pollution	Light Polluted and Dry
5	Incoming supply to feeder pillar panel	From compact s/s or Main feeder pillar
6	Ambient Temperature	Average 45 Deg C, Maximum 50 Deg C

The feeder pillar panel construction shall confirm to following features: -

1	Panel Construction	Free Standing floor mounted with CRCA sheet,
2	Welded Construction	Continuous welding from inside, Spot welding not acceptable.
3	Ingress Protection class for enclosure	IP 66 as per IS 12063
4	Material	CRCA sheet Steel of 304 Grade
5	CRCA Thickness	3mm - Support frames 2mm CRCA. - Covers, Doors & Canopy
6	Base frame for panel	3mm GI Channel 50mm height painted in Black Color
7	Bottom holes on four Sides	Oval Shape, for grouting bolts
8	Cable entry	From Bottom only
9	Lifting Lug	2 nos lug welded on top
10	Canopy on top	With minimum 10 Deg C slope extended 50mm outside panel front and rear
11	Door type for front & rear access	Centre Opening double leaf with insulating rubber grip handle
12	Door Opening angle	Min 120 Deg
13	External hardware	SS nut and bolts
14	Bus bar color coding for R, Y, B and Neutral	Heat shrinkable tape of color Red, Yellow, Blue & Black respectively.

15	Copper Bus Bar size in mm	50X10 mm for R,Y,B & N
16	BUS	Bolted type removable link to be provided at middle of all the phases and neutral bus bar, To adapt two incomers from separate source in case of exigency.
17	Bus bar arrangement	Horizontal, with R phase bus at top
18	Bus Bar support insulators	SMC / DMC, 1100v Grade
19	Cable size main Incoming for panel	4C X 120Sqmm cable Aluminum conductor
20	Outgoing cable for panel	4C X 70Sqmm cable , 4CX 35Sqmm cable & 4CX 16Sqmm.
21	Gland plate at panel bottom	CRCA, 3mm thick for multi core cable
22	Cable termination clearance from gland plate	300mm minimum
23	Labels for incoming and outgoing feeders	Sticker type labels inside panel door
24	Earth studs on both side of panel bottom	With M10 SS steel nut bolts
25	Flexible earth connection to doors	Flexible PVC Cu wire 2.5Sqmm green color
26	Panel minimum dimensions in mm	Width 1225, Depth 650 , Height 1650.
27	Holder for lamp panel	230v Incandescent lamp controlled through 2amp SPMCB
28	Small power socket for panel	5/15 amp 3pin socket controlled through 16amp SPMCB
29	Marking for panel earth stud	Green letter 'E', on riveted AL label
30	Danger board in English and local language, riveted on doors	Red color background with black lettering on 1.6mm thick Al plate
31	Surface preparation for painting	Sand blasting or 7 tank process
32	Painting	Powder coated grade A polyester paint with min thickness 60 microns
33	Paint shade	Shade – 538 as per IS:5 – Post office red
33	Fluorescent strip painting on panel	50mm wide horizontal strip of fluorescent paint around panel in the middle of panel
34	Tolerances on panel dimensions	Maximum +/- 5mm
35	Caution	No negative tolerance on bus bar dimensions and bus bar clearances.
36	Prototype panel	Prototype panel to be approved by DPA Electrical Dept.



8.6 LT Main Distribution Panel and Auxiliary Distribution Panel

• Equipment Ratings

- **Voltage and Frequency:** The low voltage switchgear and control gear ratings are defined on the individual data sheets. The equipment shall be capable of proper operation for voltage deviations of $\pm 10\%$ and frequency deviations of $\pm 2\%$. In addition, contactors and relays shall be able to ride through voltage dips to 80% nominal, such as those experienced during motor starting. This system will be a 3 phase, 4 wire. The switchgear shall be rated at 415V AC, 50Hz.
- **Component Ratings:** The type of components, number of poles/wires, voltage, frequency, trip or current ratings, and interruption capacity of the equipment shall be as specified in this document, on the datasheets or single line diagrams. The rating of each component shall be based on its installation in the switchgear or control gear assembly. Supplier shall provide de-rating information for all circuit breakers, starters, combination contactors, fused switches and other components. Equipment of the same type, current rating, and circuit duty shall be interchangeable.
- **Short Circuit Breaking Capacity:** The minimum short-circuit breaking rating of all low-voltage circuit breakers shall be such that the short circuit service breaking capacity must be equal to the percentage of the ultimate short circuit breaking capacity as specified on the datasheet.
- **Rated Short-Circuit Withstand Current:** The rated short-circuit withstand current (Icw) for all applicable components shall be equal to the short-circuit service breaking current with a time duration as specified on the data sheet.
- **Short Circuit Making Capacity and Power Factor:** The rated short-circuit peak

making capacity of a circuit-breaker shall not be less than its rated ultimate short-circuit breaking capacity, multiplied by the factor n based on IS 13947.

- Bus Short Circuit Ratings: The bus bracing shall be capable of withstanding the mechanical and thermal effects of the maximum short-circuit withstand current and time, as specified on the data sheets, without damage or deformation, applied when the bus bars have reached thermal equilibrium with rated continuous current, at maximum ambient temperature.
- Power Bus Current Ratings: Power bus bars shall be rated for the continuous current carrying capacity specified on the data sheets and single line diagrams. Unless otherwise noted, horizontal bus bars shall be of the same current rating throughout their length. All vertical bus bars shall have the same current rating throughout the switchboard.
- Short Circuit Protective Device Ratings: Short-circuit protective devices shall be rated for the continuous current carrying capacity specified on the data sheets.
- **Enclosure**
- Construction:
 - The switchgear shall contain a number of enclosures erected vertically to form a complete assembly with provisions for future extensions. Front and rear access shall be hinged doors. The switchboard shall comprise of standard prefabricated, cold rolled, sheet steel units of thickness not less than 2 mm (14 SWG)
 - The height of the switchboard shall be uniform throughout the length of the panel and shall not exceed 2400 mm. However height of the switchgear handle should be above 300 mm but below 1800 mm to facilitate easy operation without the aid of stool. Depth of the panel shall be adequate to gland all the incoming and outgoing cables.
 - The switchgear shall be provided with bottom cable entry facility with a 3mm thick removable gland plate with gasket.
- Component Access:
 - All components shall be easily accessible for maintenance. Front access only gear shall have all components and cable connections easily accessible from the front.
 - Number of Units per vertical section: The number of circuit breakers or motor controllers in a vertical tier shall be as per the supplier's standard design, unless specified otherwise.
- Form of Separation: Switchgear and control gear shall have a form of internal separation as specified on the data sheet, based on IS 8623-1. Sheet-steel barriers shall be provided between the vertical sections and between the control compartments and the power compartments. Horizontal and vertical buses shall be isolated such that when the rear panel of a vertical section is open, the only exposed "live" bare parts will be the load terminals of feeder breakers.
- Testing for Arc Due to Internal Fault: The equipment shall be designed and tested to meet the requirements of IS 8623 for arcing due to an internal fault such that the arc is confined in the section where it occurs and adjacent sections are not affected.
- Ventilation: The enclosure shall be naturally ventilated. Non-ventilated or forced air cooling shall not be permitted unless approved by the Purchaser. When a transformer, variable speed drives (VSDs), or other heat producing equipment will be installed within the gear, Supplier shall provide internal heating calculations. Internal heat dissipation data shall be provided by the Supplier in any case.
- **Power Bus**
- Power Bus Bars: Power bus bars shall run the entire length of the equipment except where it is necessary to cut and provide splice plates for shipping sections. All primary and secondary bus elements and all horizontal and

vertical buses shall be of copper material. Bus bars shall be single bus configuration designed and manufactured in accordance with IS 8623. All bus bar ends shall be drilled and supported to enable extension without modifications to the existing bars.

- **Neutral Bus Bar:** The neutral bus bar shall run parallel with the power bus bars, run the length of the equipment, and shall be fabricated and plated with the same material as specified for the power bus. Neutral bus bar current ratings shall be equal to the phase bus bar current rating in vertical and horizontal bus bar system. The neutral conductor shall be marked 'N' and colored black and the earth conductor marked 'E' and twin colored, green/yellow. The terminals for external earth conductors shall be marked with the standard earthing symbol.
- **Joint and Bus Plating:** All joints between vertical and horizontal power buses, multiple horizontal buses, and incoming connections shall be plated with tin or silver. All un-insulated bus shall also be plated with the specified material. Bus bar joints shall be made using high-tensile steel bolts (hydrogen relieved), nuts and washers. Provision shall be made in the bus bar compartment to allow access for inspection and maintenance of connections.
- **Bus Insulation:** Unless specified as none (i.e. air insulated), power bus bar and neutral bus bar insulation shall consist of physical barriers between phases(isolated) or complete encapsulation with suitable dielectric material (fully insulated). For full insulation, the entire length of the power bus (i.e. horizontal and vertical sections including the neutral) shall be insulated for the rated voltage. Material and instructions necessary for insulation of all bus splices, connections, and terminations shall be supplied with the equipment. The bus bar insulation shall be continued into the main switching device compartment as far as practicable whereas the main and dropper bus bar insulation system shall use flame retardant, non-hygroscopic and non-tracking material
- **Bus Bar Connections:** Bus connections to and from circuit breaker units, fused units, or motor starters shall be insulated, as specified on the data sheets, and shall have a short circuit rating at least equal to the maximum specified short circuit current. The bus connections to the circuit breaker and fused units shall have a continuous current rating at least equal to the largest breaker or fuse which may fit into that particular section. The continuous current rating of the motor starter bus connections shall be equal to the maximum current drawn by the largest starter of the size that may fit into that particular section. Minimum Clearance between Phase to phase shall be 25 mm, Phase to Earth & Phase to Neutral shall be 19 mm
- **Shutters for Bus Contact Openings:** Automatic shutters shall be provided for functional units, so that when a unit is removed, disconnected, or placed in the 'TEST' position, no live primary-circuit elements will be exposed. Each set of shutters shall be individually operated and activated by the movement of the withdrawable unit and shall not depend on gravity for operation. All shutters shall be pad lockable in the closed position. The bus contact openings for all withdrawable units shall automatically have an internal degree of protection; the type of protection shall be per supplier standard. Metallic parts shall be earthed.
- **Warning Labels:** All covers providing access to bus bars shall carry a 'Caution – Risk of Electric Shock' warning label.
- **Phase Identification:** Bus bar phase identification shall be R, Y, B, and N. Phase arrangement and primary circuit connections shall be clearly shown on Supplier's drawings.
- **Wiring:** No wiring shall be contained within bus bar compartments, other than the phase connections to incoming and outgoing main circuits.
- **Earthing Bus Bar**

- **Description:** All switchgear and control gear compartments shall be earthed to a common earthing bus bar running the full horizontal length of the assembly fabricated from the material and sized as specified. Vertical earth bars shall be provided. The minimum area of the earthing bus bar shall be as specified on the datasheet. The earth bus bar material shall be tin plated copper.
- **Connections:** The earth bus in each vertical section shall have at least six pre-drilled holes for terminating earthing conductors. All internal earthing connections shall be made at the factory.
- **External Cable:** Each gland plate shall be bonded to the earth bus by connection complying with IEC 61439. Provision shall be made within each cable box for connection of all external cable earth cores.
- **Panel Earthing:** Each end of the panel shall be earthed to the main earth grid. Supplier shall extend the earth bus outside of the panel for purchaser connect to the main earth.
- **Door Earthing:** Each compartment door shall be earthed separately.

• **Wiring**

- **General:** All conductors shall be stranded copper with flame retardant, 600/1000 V insulation and continuous from terminal to terminal with no splicing. Conductor ends shall be fitted with a crimped terminating device with an insulated shank. Wiring shall be neatly bundled and secured with wire ties. Minimum conductor sizes for current transformer, for power circuits, for control circuits and for signal wiring to electronic instruments, shall be as per the data sheets.
- **Wire Markers:** Wire markers shall be provided on both ends of all conductors, shall match the supplier's drawings, and shall be of the type specified in the purchaser requisition documents. Wrap-around, adhesive, and Snap-On markers are not acceptable. All wiring shall be marked on each end of the conductors with permanently-embossed wire markers of the heat shrinkable or slip on types.
- **CT Wiring and Protection:** All CT circuit wiring shall be provided with a screw-type terminal and ring lugs. Where wiring passes through a metal sheet or barrier, bushings, grommets, or other mechanical protection shall be provided. Wiring across door hinges shall be protected from mechanical damage, preferably by the use of flexible conduit. CT mounted on the buses shall be supported and clamped adequately. CT shall be Cast resin type.
- **Earthing Wire:** All earth circuit wiring shall have green/yellow insulation. The instrument compartment door should be earthed with flexible braided copper wire.
- **Power Supply Wiring:** Wiring for circuits connected to bus-wired power supplies shall be protected by molded case circuit breakers or fuses for each switchgear unit.
- **Inter-Wiring Ducts:** All switchgear inter-wiring for interlocking, alarms, etc., shall be routed between compartments by means of a duct. Wiring ducts shall be accessible without the need to de-energize any circuits.
- **LSF Wiring and Ducts:** All internal wiring shall be low smoke and fume (LSF) type wiring. Insulation shall be low smoke, zero halogen thermosetting insulation with an oxygen index of 30% minimum. All internal wiring ducts shall also be fabricated from LSF material.
- **Auxiliary Circuits of Draw out Units:** The connections of the auxiliary circuits of draw-out units shall be of the plug-and- socket type, automatically operated by the unit.
- **Cable Screening and Segregations:** The following cable segregation requirements shall be observed during construction of the switchboard:
 - Low voltage, digital and analogue I/O cables shall be loomed separately from, and have maximum separation to main voltage cables.
 - Unless approved by the Purchaser, all communications shall be run using

screened twisted pair or fiber-optic cabling.\

- Analogue signals not transmitted over the communications network shall be run via screened twisted pairs. Single wiring within equipment shall be manually twisted in pairs, with due care taken to minimize the length of any untwisted wiring.
- Incoming digital I/O (Input/Output) cables to the Intelligent Motor Controller (IMCS) shall be screened.
- Signal Cable screens shall only be single point earthed at the switchboard end. The screen to instrument earth bar connections shall be as short as practical. Screens on different analogue signal pairs shall be kept isolated except at earthing points.

- **Name Plates**

- General: Nameplates shall be placed on the outside of each cubicle door identifying the service by name and equipment number in accordance with the datasheets. All external nameplates shall be of an acrylic resin material. The language used shall be English and the background of the nameplate should be white with black letters to be used. The nameplate size and letters' height should be of the supplier's standard.
- Fastening: Nameplates shall be attached to the enclosure by two stainless steel screws. Adhesive backing shall NOT be permitted unless approved by the Purchaser.
- Component Nameplates: Nameplates shall identify each device on the instrument panel and other devices such as instrument transformers, secondary fuses, etc. inside the cubicle. Door-mounted components shall be identified both on the exterior panel door and internally. The positions of control and selector switches shall also be labelled. Nameplates shall remain in place when the component has been removed.
- Warning and Caution Nameplates: In locations where dangerous situations may inadvertently be created, warning plates or caution notices shall be installed, identifying the danger points. This may be in a compartment or on the outside of an assembly. Warning plates or caution notices shall be engraved black lettering on yellow background. Applications include, but are not limited to the following:
 - Incoming sources with potential for feedback from an alternate source.
 - Termination points for all wiring brought to the switchgear from an external power source.
- Danger Nameplate: Nameplate shall be engraved white letter on red background. The Nameplate shall comply with IS 2551.

- **Electrically Operated Circuit Breakers**

- General: The switchgear circuit interrupting device shall be of the draw out, air break, electrical type, with five-cycle closing and interrupting duty, and solid-state trip unit with long-time, short-time and/or instantaneous, and earth fault protection as specified in this document, the datasheets, or single line diagrams. The utilization category for circuit breakers as per IS 13947 shall be Category B, suitable for continuous duty.
- Electrically Operated Breakers: Switchgear main and tie circuit breakers shall be electrically operated. Electrically operated feeder circuit breaker shall be provided only when indicated in data sheet or Single Line Diagrams. Electrically operated circuit breakers shall have means of tripping when control power is not available. On electrically-operated circuit breakers, secondary disconnecting devices shall be provided for auxiliary functions and control circuits.
- Circuit Breaker Positions: Circuit breakers shall be withdrawable to an isolated test position or disconnected position or completely withdrawn from the breaker cubicle. In the test position, the breaker shall be operable (with auxiliary circuits energized) but shall not energize the power circuit.

- Interchangeability: Breakers shall be interchangeable with others of the same voltage, current, and breaking ratings. It shall not be possible to interchange breakers of different ratings.
- Breaker Spring Charging: In addition to electrical spring charging using a motor, on the breaker control panel (face of the breaker), a handle for manually charging springs, a contact-position indicator, a charging mechanism position indicator, and pushbuttons for closing and tripping shall be provided. Spring mechanisms shall be arranged such that a closing operation cannot occur until the spring is fully charged.
- Breaker Mechanism: Operating mechanisms shall be electrically and mechanically trip free, include an anti-pumping device, incorporate a local manual trip facility, and give positive indication of breaker position. Tripping mechanisms shall be provided with a mechanical tripping device. Operating mechanisms equipped for electrical closing shall include an interlock arranged such that closing cannot be initiated when a trip condition exists.
- **Control Switches, Push buttons and Indicating Lights**
- Instrument Switches: Pushbuttons and related control switches shall comply with IS 13947. All pushbutton switches, except stop switches shall have a full shroud to prevent inadvertent operation. Instrument switches shall be rotary-cam type with engraved dial plates. Switch escutcheon plates shall be clearly marked to show operating positions.
- Circuit Breaker Controls: A circuit breaker control switch and a set of contact position indicating lights shall be provided on the cell door of each electrically operated circuit breaker. The switch handle shall be located along the vertical center line of the cubicle and shall not be located adjacent to meter switches.
- Operating Handles: When the switchgear is equipped with several operating controls requiring manual operating handles, these handles shall be of different physical size and shape to minimize the possibility of operating errors, as specified.
- Indicating Lights: All indicating lights shall be multi-LED type, providing long life capacity, and shall be removable from the front panel.
 - The indicating lights for circuit breakers shall be:
 - i) RED "ON" when breaker is closed
 - ii) GREEN "ON" when breaker is opened
 - iii) WHITE "ON" when indicating trip circuits/lockout relays are operational (healthy)
 - iv) AMBER "ON" when breaker tripped (indicates trip by device other than control switch)
 - The indicating lights for motor feeders & contactors shall be:
 - i) RED "ON" when contactor is closed (motor running or Feeder ON)
 - ii) GREEN "ON" when contactor is opened (motor stopped or Feeder OFF)
 - iii) AMBER "ON" when contactor tripped (indicates trip by device other than control switch).

8.7 Special Condition for Heat Shrinkable Straight through joint

- This includes providing and fixing of Heat Shrinkable Straight through joint to 3.5 /4 core LT 1.1 KV PVC-A-PVC/XLPE Cables, including providing fixing of Aluminum Solder less ferrules of suitable size with all required materials.
- These shall be Heat Shrinkable type jointing kit complete with all the cable jointing accessories of appropriate size suitable for all type of underground cables as specified in the BOQ.
- The joining kit should provide effective and reliable stress control, superior surface protection, and moisture proof, environmental sealing and increased dielectric strength. The kit should meet I.E.C, IEEE –404 VDE 0278 and other International Standard.
- The rate shall inclusive of all labour, tools tackles, taxes, packing, forwarding, insurance, transportation and unloading at site of work etc.

8.8 Special Condition for Earth station

- This includes preparation of earth station with Earthing Rod with below Specification:
- Earthing Type: Maintenance Free Earth electrode made of steel circular rod with molecularly bonded copper as per IEC 62561
- Rod diameter:> 17 mm, Copper coating:99% pure electrolyte copper, (iv) Length:> 3 meters / 10 feet.
- Earth Enhancement Compound Composition: Graphite, Activated Carbon, Al Silicate CU Sulphate & Binding Agent Bentonite etc. Material with below Specification:
- Chemical bag weight: 25 Kgs 2 bag each
- Resistivity Value: < 2 Ohm
- Environment Effects: ECO Friendly (Lead, Cadmium, Zinc Free Compound)
- Earth Pit Cover with below Specification:
 - Material Type: RCC > 300 x 300 mm,
 - Load Bearing Capacity: Up to 5 MT On Ground Level
 - Lid Lock System: Yes
 - UV Resistance: Yes
 - Eco Friendly: Yes
 - Temperature:5°C to 75°C
 - A Ready-made earthing chamber of minimum 30 cm x 30 cm shall be provided just below the ground surface and shall have RCC/CI cover of suitable size as directed. This also includes removing excess excavated soil from the site. The work shall be carried out to the full satisfaction of the Engineer-in-Charge. The work includes all labor and materials as directed by the Engineer-in-charge.

8.9 Special Condition for G.I strip of size 25x3

- This includes supply at site, laying, fixing and connecting of G.I strip of size 25x3 mm from earth station/existing earthing system to H.T/L.T. panel, H.T/ L.T switchgears, Power/Distribution transformer etc. as directed.
- The G.I strip of Single length (without joints) shall be laid from earth station to HT/LT switch gears & transformers etc. directly connected to two separate and distinct main earth as directed and shall be clamped suitably on wall/floor or buried in the ground / pucca trench as directed. The work includes all material & labour required shall done as directed by Engineer-in-charge.

8.10 Special Condition for Outdoor Feeder Pillar foundation: This includes providing foundation with M20 grade PCC mix of proportion 1:1 1/2:3 consisting of ingredients of cement, sand and crushed graded trap stone metal etc. with cantering, shuttering and reinforcement suitable to the design of the Foundation of panel, including mixing, disposing, consolidating, leveling, curing etc.

8.11 Special Condition for SMC Junction box for Street Light Poles

- This item includes Supply, Installation, Testing and Commissioning of Tamper proof, Shock proof and Rust proof SMC (Sheet Moulding Compound) Street light Junction box with 1 no. - 1Pole 6A x 240V rating MCB & 1 no. - 63A 4 way pvc connectors as directed.
- The Junction box shall be in single piece without any joints having concealed hinges, mounting screws fitted from inside, metal hardware for wire seal, light weight and adequate space for fixing the cut outs & connector as directed.
- The size of SMC Junction Box shall be 230mm x 170mm x 105mm from outside. The size of the SMC Boxes above is tentative and minimum. The Contractor shall

accommodate the MCB & 4way connector as directed in the box. However, contractor may increase the size if required to accommodate the MCB & connector to the actual requirement and relevant rules and regulations, for that no extra payment shall be made. The rates shall be inclusive of all the taxes, insurance, transportation, unloading, including VAT etc.

- This includes fixing of supplied Shock proof and Rust proof SMC (Sheet Moulding Compound) Street light Junction box on wall / structure / Pole as directed. The Junction Box shall be fixed rigidly on pole through suitable size of nut bolts / anchor fasteners / cemented wooden gutties and incase of pole it shall be fixed through suitable size of G.I. clamp at least 2mm. thick as directed. This includes with all material, labour tools & tackles including necessary wiring & connections with earth linking as directed by Engineer-In-charge.

8.12 Special Condition for Dismantling of existing LT Distribution network:

Dismantling of existing LT Distribution panel, LT overhead power Distribution lines complete with all associated items like Conductors, insulators, overhead cables, wires, studs, MS structure, LT box, switching box etc. and depositing the same in DPA Main Store including materials handling and shifting. Quantity as per actual. (Dismantling to be carried out only after successful commissioning of Underground Cabling Power Distribution System as per Terms & conditions.)

8.13 Warranty Period (defect liability period): All the products supplied under this contract to carry a warranty, against manufacturing defects for a period of 18 months from the successful commissioning.

Approved Make List for Electrical Items

Sr. No.	Description	Recommended Makes
1	HV VCB	SIEMENS / CROMPTON GREAVES/ABB/Schneider
1(a)	HV Gas Insulated Breakers	SIEMENS /Schneider/ABB
2	POWER TRANSFORMERS	VOLTAMP/CROMPTON GREAVES /BHARAT BIJLEE/ BHEL/ SIEMENS/ABB/ Schneider/T&R
3	DISTRIBUTION TRANSFORMERS	EMCO/KIRLOSKAR/PATSON/VOLTAMP/ABB/Schneider/ T&R
4	RESIN CAST TRANSFORMERS	
	A) RESIN CAST IMPREGNATED	VOLTAMP / KIRLOSKAR / EMCO
	B) DRY CAST	VOLTAMP/KIRLOSKAR/EMCO
5	HT XLPE CABLES	POLYCAB/TORRENT/RPG ASIAN/ NICCO/GLOSTER/ UNISTAR/ UNIVERSAL / RAVIN-PRIME CAB
6	LT XLPE CABLES	POLYCAB/TORRENT/RPG ASIAN/ NICCO/ RALLISON/PRIMECAB/ HAVELLS/ UNIVERSAL/ UNISTAR/AVOCAB/ ADCAB /ATLAS
7	LT ACB	SIEMENS/L&T/SCHNEIDER/C&S
8	PROTECTION RELAYS	AREVA/L&T/SIEMENS/ABB/C&S
9	LT PANEL	CPRI APPROVED
10	CHANGE OVER SWITCH	SIEMENS/L&T/ABB/C&S/SCHNIDER/ LEGRAND / INDOASIAN
11	SFU FOR MAIN LT DISTRIBUTION PANELS	SIEMENS/L&T/ABB/C&S
12	SFU FOR DISTRIBUTION PANELS & FEEDER PILLERS	SIEMENS/L&T/ABB/C&S/ SCHNEIDER/ LEGRAND/ INDOASIAN/HAVELLS
13	MCCB FOR MAIN LT DISTRIBUTION PANELS	SIEMENS/L&T/ABB/C&S
14	MCCB FOR DISTRIBUTION PANELS AND FEEDER PILLERS	SIEMENS/L&T/ABB/C&S/ SCHNIDER/ LEGRAND/ INDOASIAN/HAVELLS
15	MCB/ELCB/RCCB/ RCCBO FOR MAIN LT DISTRIBUTION PANELS	SIEMENS/HAGER L&T/ABB/C&S
16	MCB FOR DISTRIBUTION PANELS AND FEEDER PILLERS	SIEMENS/L&T/ABB/C&S/ SCHNEIDER/ LEGRAND/ INDOASIAN/ HAVELLS/ STANDARD
17	MCB DISTRIBUTION BOARD	STANDARD / HENSEL/LEGRAND / INDOASIAN / HAVELLS / C&S
18	MULTI FUNCTION DIGITAL METER FOR MAIN LT DISTRIBUTION PANELS/DIGITAL KWH METERS	L&T/ENERCON/SECURE/L&G/ RISHABH
19	ANALOG VOLT/AMPARE METER FOR DISTRIBUTION PANELS AND FEEDER PILLERS	RISHABH/AE/ENERCON/L&T
20	SLECTOR SWITCH FOR VOLTMETER/AMPARE METER	L&T/SIEMENS/C&S
21	POWER CONTACTOR & OVER LOAD RELAYS	L&T/SIEMENS/ABB
22	QUARTZ TIME CLOCK SWITCH	L&T/INDOASIAN/SIEMENS
23	PVC WIRE WITH COPPER CONDUCTOR	POLYCAB/MILEX/GUJCAB/ STANDARD/ FINOLEX/ANCHOR
24	FLUSH TYPE SWITCHES, SOCKETS, HOLDERS AND CEILING ROSES & ELECTRONIC REGULATORS	ANCHOR/MK/NORTHWEST
25	DOOR BELLS/CALL BELLS	ANCHOR/LEGEND/MK/NORTHWEST
26	MODULAR SWITCHES, SOCKETS, PLATES & BOXES	ANCHOR / MK / NORTHWEST / LEGRAND /

27	PVC CONDUIT/OVAL CONDUIT & CASSING CAPPING AND ACCESSORIES	PRECISION/VULCAN/FINOLEX/ GARWARE/RESTOPLAST/SWASTIK/BPI
28	GLS LAMPS & FLUORESCENT LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI /GE
29	HPSV, HPMV & METAL HELIDE LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI /GE
30	IGNITORS FOR HPSV, METAL HELIDE LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI /GE
31	LUMINARIES	PHILIPS/BAJAJ/WIPRO/CROMPTON GREAVES / OSRAM / SURYA ROSHNI /GE / C&S
31a	LED Luminaries	Philips /Bajaj/Wipro/CG/Surya/Pyrotech/Syska/Nessa/ C&S having surge Protection $\geq 10KV$ for fittings & internal Surge Protection for DSea of $\geq 4KV$, LED Chip only OSRAM/CREE/Philips Lumileds//Citizen/ with LM-79, 80 CERTIFICATION
32	CEILING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
33	WALL MOUNTING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
34	EXHUAST FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
35	HEAVY DUTY INDUSTRIAL WALL MOUNTING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
36	WATER COOLER	VOLTAS/SHRIRAM USHA/BLUE STAR
37	AIR CONDITIONERS	VOLTAS/CARRIER/BLUESTAR/USHA/ HITACHI/LG/ SAMSUNG/ONIDA
38	REFRIGERATORS	VOLTAS/CARRIER/BLUESTAR/USHA/ HITACHI/LG/ SAMSUNG/WHIRLPOOL
39	VOLTAGE STABILIZER	VEELINE / CAPRI
40	INVERTERS	SUKAM / MICROTEK
41	D.G. SETS	
	A) ENGINE	CUMMINS/GREAVES/KIRLOSKAR/ CATERPILLAR/ ASHOK LEYLAND/VOLVO
	B) ALTERNATOR	STAMFORD/CROMPTON GREAVES /JYOTI/ KIRLOSKAR ELECTRIC
42	ELECTRIC MOTOR	ALSTOM/CROMPTON GREAVES /SIEMENS/ KIRLOSKAR/ABB
43	WATER PUMPS	SWASTIK / KSB
44	WATER GEYSER	BAJAJ/USHA / CROMPTON GREAVES / SPHEREHOT / RACOLD
45	LUGS & CABLE GLANDS	DOWELLS / JAINSON / BRACO