

DEENDAYAL PORT AUTHORITY

ISO 9001:2008 | ISO 14001 | ISPS COMPLIANT PORT



MECHANICAL ENGINEERING DEPARTMENT

ELECTRICAL DIVISION

TENDER NO. EL/AC/2831

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

Executive Engineer (E)
Electrical Division
Deendayal Port Authority,
Ground Floor,
Nirman Bhavan,
New Kandla – 370 210.

[Email:- deepak.hazra@deendayalport.gov.in](mailto:deepak.hazra@deendayalport.gov.in)

xenedpa@gmail.com

CONTENTS OF TENDER DOCUMENT

Bid Reference No. EL/AC/2831

- **NIT** : **Invitation for Bids**
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TENDER NOTICE NO. EL/AC/2831

Name of work	Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.													
Estimated cost put to tender	₹ 6,06,29,820.00/-													
Tender fee :	<p>Rs. 5000 + 900 (GST) Present rate of GST is 18% Through on line transfer in PNB bank account no. 2177002100004628 - Deendayal Port Authority - (IFSC code PUNB0217700). Scanned copy of RTGS no. and date of transfer may be uploaded on (n) procure website.</p> <p>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 only shall become eligible for exemption from payment of Tender fee/EMD. Such bidder shall upload the scanned copy of valid certificate along with Bid Securing Declaration Form (Form 7 in Section IV) in preliminary bid.</p> <table border="1"> <thead> <tr> <th>Level</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Section – F</td> <td>CONSTRUCTION</td> </tr> <tr> <td>Division – 42</td> <td>CONSTRUCTION</td> </tr> <tr> <td>Group – 422</td> <td>Construction of utility projects</td> </tr> <tr> <td>Class – 4220</td> <td>Construction of utility projects</td> </tr> <tr> <td>Sub Class – 42202</td> <td>Construction/erection and maintenance of power, telecommunication and transmission lines</td> </tr> </tbody> </table>		Level	Description	Section – F	CONSTRUCTION	Division – 42	CONSTRUCTION	Group – 422	Construction of utility projects	Class – 4220	Construction of utility projects	Sub Class – 42202	Construction/erection and maintenance of power, telecommunication and transmission lines
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Section – D	ELECTRICITY, GAS, STEAM AND AIRCONDITION SUPPLY
Division – 35	ELECTRICITY, GAS, STEAM AND AIRCONDITION SUPPLY
Group – 351	Electric power generation, transmission and distribution
Class – 3510	Electric power generation, transmission and distribution
Sub Class – 35107	Transmission of electric energy

EMD	<p>₹ 6,06,298.00/- (Rupees Six lakh six thousand two hundred ninety eight only)</p> <p>Through the form of Bank Guarantees (as per enclosed format Form-6 in Section IV) to be uploaded on (n)procure website.</p> <p>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 only shall become eligible for exemption from payment of Tender fee/EMD. Such bidder shall upload the scanned copy of valid certificate along with Bid Securing Declaration Form (Form 7 in Section IV) in preliminary bid.</p> <table border="1"> <thead> <tr> <th>Level</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Section – F</td> <td>CONSTRUCTION</td> </tr> <tr> <td>Division – 42</td> <td>CONSTRUCTION</td> </tr> <tr> <td>Group – 422</td> <td>Construction of utility projects</td> </tr> <tr> <td>Class – 4220</td> <td>Construction of utility projects</td> </tr> <tr> <td>Sub Class – 42202</td> <td>Construction/erection and maintenance of power, telecommunication and transmission lines</td> </tr> </tbody> </table> <p>OR</p> <table border="1"> <thead> <tr> <th>Level</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Section – D</td> <td>ELECTRICITY, GAS, STEAM AND AIRCONDITION SUPPLY</td> </tr> <tr> <td>Division – 35</td> <td>ELECTRICITY, GAS, STEAM AND AIRCONDITION SUPPLY</td> </tr> <tr> <td>Group – 351</td> <td>Electric power generation, transmission and distribution</td> </tr> </tbody> </table>	Level	Description	Section – F	CONSTRUCTION	Division – 42	CONSTRUCTION	Group – 422	Construction of utility projects	Class – 4220	Construction of utility projects	Sub Class – 42202	Construction/erection and maintenance of power, telecommunication and transmission lines	Level	Description	Section – D	ELECTRICITY, GAS, STEAM AND AIRCONDITION SUPPLY	Division – 35	ELECTRICITY, GAS, STEAM AND AIRCONDITION SUPPLY	Group – 351	Electric power generation, transmission and distribution
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Shifting of 11KV Double Circuit SIPC feeder, due to widening of the road to 6 Lanes at DPA

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	Class – 3510	Electric power generation, transmission and distribution
	Sub Class – 35107	Transmission of electric energy
Last date of downloading	24/02/2025 up to 15:00	
Last date and time of submission of E-tender	24/02/2025 up to 15:30 only On Website https://tender.nprocure.com :	
Pre-bid meeting	07/02/2025 @ 12:00 Hrs. in the Old Board Room, A. O. Building, Gandhidham	
Date and time for opening of E- tender	24/02/2025 at 16:00 hrs.	
Downloading websites	https://tender.nprocure.com , http://www.deendayalport.gov.in as well as http://www.eprocure.gov.in .	
Corrigendum, if any, will be placed on websites only.		

Sd/-

**Executive Engineer (E)
Deendayal Port Authority**

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

NOTICE INVITING ON LINE TENDER

Details about tender:

Department Name	Mechanical Engineering Department
Circle/ Division	Electrical Division, Nirman Bhavan, Ground Floor, New Kandla-(Kutch)-370210
Tender Notice No.	EL/AC/2831
Name of Project	Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.
Name of Work	Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.
Estimated Contract Value (INR)	₹ 6,06,29,820.00/-
Period of Completion (in Months)	06 months from the date of issue of work order
Bidding Type	Open
Bid Call (Nos.)	One
Tender Currency Type	Single
Tender Currency Settings	Indian Rupee (INR)
Integrity Pact	Integrity Pact agreement (format attached in Section XI) duly signed by the bidder and their witness and is required to be submitted in preliminary bid. Failing which the Technical bids will be considered non responsive.
Pre-Qualifying Criteria:	PRE-QUALIFICATION CRITERIA FOR ELIGIBLE BIDDERS: The Bidders shall fulfill the following pre-qualification criteria: a) Average Annual financial turnover during the last 3 years, ending 31 st March of the previous financial year, should be at least ₹ 181.88 Lakh Certified by Chartered Accountant along with UDIN mentioned on it. b) Experience of having successfully completed similar works during last 7

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

years ending last day of month 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 ₹ 242.51 Lakh.

Or

ii) Two similar completed works each costing not less than the amount equal to ₹303.14 Lakh.

Or

iii) One similar completed work costing not less than the amount equal to ₹485.03 Lakh.

c) Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value.

The available bid capacity will be calculated as under:

Assessed Available Bid capacity = $A \times N \times 2 - B$, Where,

“N” = Number of years prescribed for completion of the subject contract.

“A” = Maximum value of works executed in any one year during last seven years (at current price level).

“B” = Value at current price level of existing commitments and on-going works to be completed in the next 'N' years.

The Bidder shall furnish statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works preferably countersigned by the Nodal Office or his nominee-in charge.

Financial Year	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

Index	151.4	152.5	139.4	123.4	121.8	119.8	114.9
Multiplying Factor	1.00	0.99	1.09	1.23	1.24	1.26	1.32

IMPORTANT:

(i) The value of annual turnover is not to be considered towards $\square A$ as mentioned in the formula.

(ii) The information may be provided as per the format given at Section X.

(D) In Case the similar work has been issued for any private body, 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 completed work.

Note:

(i) The particular row in the TDS certificate (Form 16A or Form 26AS), which indicates the credit of the payment received from the client, **should be highlighted.**

(ii) Along with the TDS certificate, a declaration on the letter head of a Chartered Accountant should be submitted giving details such as the name of bidder, the name of the client for which the bidder has carried out the work, name of work, work order no. and date, gross amount of the payment, net amount received from the client, TDS amount. **The statement should be signed by the Chartered Accountant.**

(iii) In case any discrepancies between the TDS (Form 16A or Form 26AS) and the declaration given by the Chartered Accountant with regard to payment received from the client, it should be explained.

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

	<p>(iv) The value of each similar completed work shall be considered excluding GST.</p> <p>(E) The contractor shall have valid electrical contractor's license and electrical supervisor license for carrying out electrical work of nature involved in this tender obtained from the competent authority of their respective states without which the tender shall not be accepted. Contractor shall submit certificate and copy of the license in lieu of the same for consideration.</p> <p>(F) Upload duly signed document given at Section-IX towards evidence of site visit. (The bidder who has not physically visited the site and not uploaded document given at Section-IX, will be declared technically disqualified. The date of physical visit of site should be the date invariably prior to date of opening of preliminary bid.</p>
Similar Work Definition	<p>Similar works means:</p> <p>“SITC of 11 KV Overhead line/Cabling/or both of 11 KV distribution work for any Government or Public Sector Undertaking or any reputed Industrial Organization or Industry/Company in private sector.”</p>
Joint Venture	<ol style="list-style-type: none">1. In case of JV to qualify experience in similar works, merging of work order value executed by two or more of its member JV either as a whole or as member of JV shall not be permitted to qualify eligible works in terms of similar completed works. Only number of work orders executed by members of JV shall be merged to evaluate experience.2. Lead partner should have executed at least one similar work costing of ₹. 242.51 Lakh as per the Minimum Eligibility Criteria.3. The similar works reckoned are those executed by the tenderer as prime contractor or proportionately as member of joint venture or as a sub-

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

	<p>contractor, authorized and approved by the Employer of the work(s) against which the tenderer has claimed his experience.</p> <p>4. In the case of bid submitted by JV/ Consortium, the lead partner of the JV shall meet the Minimum Eligibility Criteria of Financial Turnover.</p> <p>5. Bid Security as required shall be furnished by lead member of JV.</p>												
Rebate	Not applicable												
<p>Bid Document Fee:</p>	<p>Rs. 5000 + 900 (GST)= 5900/- Present rate of GST is 18% (non-refundable)/-(Five Thousand Nine Hundred Only)</p> <p>Through online transfer in PNB bank accounts no. 2177002100004628 - Deendayal Port Authority - (IFSC code PUNB0217700). Scanned copy of RTGS no. and date of transfer may be uploaded on <input type="checkbox"/> (n) procure website.</p> <p>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 only shall become eligible for exemption from payment of Tender fee/EMD. Such bidder shall upload the scanned copy of valid certificate along with Bid Securing Declaration Form (Form 7 in Section IV) in preliminary bid.</p> <table border="1" data-bbox="479 1192 1377 1719"> <thead> <tr> <th style="text-align: center;">Level</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td>Section – F</td> <td>CONSTRUCTION</td> </tr> <tr> <td>Division – 42</td> <td>CONSTRUCTION</td> </tr> <tr> <td>Group – 422</td> <td>Construction of utility projects</td> </tr> <tr> <td>Class – 4220</td> <td>Construction of utility projects</td> </tr> <tr> <td>Sub Class – 42202</td> <td>Construction/erection and maintenance of power, telecommunication and transmission lines</td> </tr> </tbody> </table> <p style="text-align: right;">OR</p>	Level	Description	Section – F	CONSTRUCTION	Division – 42	CONSTRUCTION	Group – 422	Construction of utility projects	Class – 4220	Construction of utility projects	Sub Class – 42202	Construction/erection and maintenance of power, telecommunication and transmission lines
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Bid Document Fee Payable To:	<p>Through on-line transfer in PNB bank account no. 2177002100004628 - Deendayal Port Authority - (IFSC code PUNB0217700), Kandla branch. Scanned copy of RTGS no. and date of transfer may be uploaded on (n) procure website. 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 only shall become eligible for exemption from payment of Tender fee/EMD. Such bidder shall upload the scanned copy of valid certificate along with Bid Securing Declaration Form-7 failing which the bid shall be considered non-responsive in preliminary bid.</p>	
Bid Security/ EMD (INR) :	<p>₹ 6,06,298.00/- (Rupees Six lakh six thousand two hundred ninety eight only)</p> <p>Through the form of Bank Guarantees (as per enclosed format Form-6 In Section IV) to be uploaded on (n) procure website.</p> <p>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 only shall become eligible for exemption from payment of Tender</p>	

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Bid Validity Period	120 Days																								
Condition	<p>(1) Tender Fee : Rs. 5000 + 900 (GST)= 5900/- Present rate of GST is 18% (non- refundable)/-(Five Thousand Nine Hundred Only)</p> <p>Through on line transfer in PNB bank account no. 2177002100004628</p>																								

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Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

	<p>presence of a witness from their side, who shall also affix his /her signature thereof and then the same IP shall be uploaded by them on n-procure portal;</p> <p>2) The potential bidders shall download and print the IP Agreement signed by the Employer and their witness and affix his/her signature on the IP Agreement in the presence of a witness from his/her side, who shall also affix his / her signature thereof. Having completed the signing procedure, the potential bidder shall upload the duly filled and signed IP Agreement on n-procure portal.</p> <p>3) The procedure mentioned above regarding signing of Integrity Pact Agreement by both the parties (Employer and potential bidders) shall be completed online. However, In case of any technical glitch due to which of any potential bidders is unable to upload the IP Agreement, then he/she shall submit the hard copy of the duly filled, signed IP Agreement, to the Department concerned of DPA within a period of seven days and prior to opening of the Technical Bid, failing which Bid of potential bidders shall be treated as disqualified. Integrity Pact is required to be submitted in preliminary bid, failing which the bid shall be treated as non-responsive and shall be rejected.</p> <p>Accordingly, offer of those bidders shall only be opened whose EMD, Tender Fee or Exemption certificate along with Bid Securing Declaration (if MSE) Form (Form 7 in Section IV) and Integrity pact (duly signed by bidder and witness in proper format attached on Section XI) are received electronically.</p> <p>However, for the purpose of realization, bidder shall send the same in original to Executive Engineer (E) at the time of tender opening or send the same by hand/courier/RPAD/Speed post so as to reach the Executive Engineer (E), Electrical Division, Port & Custom Building, Ground Floor, New Kandla-(Kutch)-370210 within 07 days from the last date of opening without fail, without which the bid shall be treated as non-responsive.</p>
Remarks	The hard copies should reach to the Electrical Division within 07 days from the date of opening of preliminary bid.
Bid Opening Date	Technical Bid will be opened on 24/02/2025 @ 16:00 Hrs. Date of opening of price bid shall be notified after scrutiny and evaluation of Technical Bid.
Documents	a. Documents in support of fulfilling Qualifying Criteria as

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

required to be submitted by scanning through online	indicated above. b. EMD -As indicated above. c. Tender fee - As indicated above. d. Integrity pact (duly signed by bidder and witness) e. Documents Mentioned in Eligibility Criteria. f. Bid Security Declaration form (In case of MSE).
Officer- Inviting Bids:	Executive Engineer (E), Electrical Division, Nirman Bhavan, Ground Floor, New Kandla-(Kutch)-370210
Bid Opening Authority :	Executive Engineer (E)
Address:	Executive Engineer (E), Electrical Division, Nirman Bhavan, Ground Floor, New Kandla-(Kutch)-370210
Contact Details :	Executive Engineer (E), Electrical Division, Nirman Bhavan, Ground Floor, New Kandla-(Kutch)-370210
Corrigendum, if any, will be placed on websites only.	

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, Ahmadabad – 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@gnvc.net

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

Sd/-

**Executive Engineer (E)
Deendayal Port Authority**

SECTION – I

INSTRUCTION TO BIDDERS

A. GENERAL

1. Scope of Bid

1.1 The Executive Engineer (Electrical) Deendayal Port Authority invites bids by E-Tendering from the interested eligible bidder for the work as mentioned in the notice inviting online tender. All bids shall be completed and submitted on-line in accordance with instruction to the bidders.

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

2. Source of funds

2.1 The employer has arranged the funds from the internal resources and will have sufficient funds in India Currency for execution of the work.

3. Eligible Bidders

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.

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

3.2 All bidders shall fill the forms provided in Section – IV- Part – I “To be submitted by Bidders with their Bids”.

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.

3.4 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices

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issued by the employer.

4. Eligibility Criteria:

4.1 The Bidders shall fulfil the following pre-qualification criteria:-

Sr. No	Particulars	Supporting Documents
(A)	Average Annual financial turnover during the last 3 years, ending 31 st March of the previous financial year, should be atleast ₹ 181.88 Lakh Certified by Chartered Accountant.	Certificate should be issued by the Chartered Accountant along with UDIN mentioned on it.
(B)	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: (i) Three similar completed works each costing not less than the amount equal to ₹ 242.51 Lakh. Or (ii) Two similar completed works each costing not less than the amount equal to ₹303.14 Lakh. Or (iii) One similar completed work costing not less than the amount equal to ₹485.03 Lakh.	(a) A copy of the completion certificate in respect of the successfully completed similar work. (b) A copy of detail work order should also be submitted for which the bidder is submitting the completion certificate. Such completion certificate should be issued on the letter head of the client and invariably reflect the following details:- <ol style="list-style-type: none">1) Name of Contractor2) Name of Work3) No. of work order /agreement and date4) Contract value5) Contract period6) Date of commencement of work7) Date of completion8) Value of Work executed during the contract period/original contract period9) Date of issue of completion certificate.

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	<p>c). In Case the similar work has been issued for any private body, 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 completed 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.</p>
(C)	<p>Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value.</p> <p>The available bid capacity will be calculated as under: Assessed</p> <p>Available Bid capacity = $A \times N \times 2 - B$, Where,</p> <p>“N” = Number of years prescribed for completion of the subject contract.</p> <p>“A” = Maximum value of works executed in any one year during last seven years (at current price level).</p> <p>“B” = Value at current price level of existing commitments and on-going works to be completed in the next 'N' years.</p> <p>The Bidder shall furnish statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works preferably countersigned by the Nodal Office or his nominee-in charge.</p>

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Financial Year	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
Index	151.4	152.5	139.4	123.4	121.8	119.8	114.9
Multiplying Factor	1.00	0.99	1.09	1.23	1.24	1.26	1.32

IMPORTANT:

(i) The value of annual turnover is not to be considered towards $\square A$ as mentioned in the formula.

(ii) The information may be provided as per the format given at Section XI.

(D) In Case the similar work has been issued for any private body, 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 completed work.

Note:

(i) The particular row in the TDS certificate (Form 16A or Form 26AS), which indicates the credit of the payment received from the client, **should be highlighted.**

(ii) Along with the TDS certificate, a declaration on the letter head of a Chartered Accountant should be submitted giving details such as the name of bidder, the name of the client for which the bidder has carried out the work, name of work, work order no. and date, gross amount of the payment, net amount received from the client, TDS amount. **The statement should be signed by the Chartered Accountant with UDIN.**

(iii) In case any discrepancies between the TDS (Form 16A or Form 26AS) and the declaration given by the Chartered Accountant with regard to payment received from the client, it should be explained.

(E) The contractor shall have valid electrical contractor's license and electrical supervisor license for carrying out electrical work of nature involved in this tender

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	obtained from the competent authority of their respective states without which the tender shall not be accepted. Contractor shall submit certificate and copy of the license in lieu of the same for consideration.	
(F)	Upload duly signed document given at Section-IX towards evidence of site visit. (The bidder who has not physically visited the site and not uploaded document given at Section-IX, will be declared technically disqualified. The date of physical visit of site should be the date invariably prior to date of opening of preliminary bid.	
(G)	Similar works means	“SITC of 11 KV Overhead line /Cabling/or both of 11 KV distribution work for any Government or Public Sector Undertaking or any reputed Industrial Organization or Industry/Company in private sector.”

4.2 All bidders shall scan and forward the following information and documents with their bids.

- a. 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.
- b. Total monetary value of similar works performed for each of the last seven years ending last day of month previous the one in which applications are invited
- c. Experience in works of a similar nature and size for each of the last seven years, and details of works underway or contractually committed, and Employers who may be contacted for further information on those contracts.
- d. Reports on the financial standing of the Bidder, such as profit and loss statements and auditor’s reports for the past three years ending 31st March of the previous financial year.
- e. Duly filled Forms mentioned in Section – IV- Part – I.

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- f. PAN, Registration with GST, VAT, Provident Fund Authorities.
- g. Valid Electrical Contractor License issued by respective State / Central Govt. (Without up-loading of the Valid Electrical Contractor License, the bid will be considered irresponsible)
- h. EMD in form of Bank Guarantees (as per enclosed format Form-6 In Section IV)
- i. Tender fee in form of Digital Transfer only.
- j. Information regarding any litigation, current or during the last five years, in which the Bidder is involved, the parties concerned, and disputed amount.
- k. A certificate by the bidder that they have not been banned / black listed by any govt. Agency.
- l. Power of attorney (dully accompanied by resolution of Board in case of company).
- m. Qualifications and experience of key site management and technical personnel proposed for the contract.
- n. The proposed methodology and program of work, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones. (Not Applicable)
- o. The completion certification should invariably mention the reference no. of work order, the date of completion and contract value.
- p. The copy of the work order shall also be submitted for which the bidder is submitting completion certificate.
- q. In case the similar work has been executed for any private body, the bidder will 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 completed work.
- r. Bidders should give an undertaking that the documents submitted by them in support of their 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.
- s. Bidders should give an undertaking that they will comply to the specifications of the work including terms and conditions in total without any deviation.

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t. Duly signed Integrity pact agreement by the bidder and witness (also to be arranged by bidder) to be submitted in preliminary bid.

u. Bid Securing Declaration Form for MSE's (Form 7 in Section IV)

4.3 Even though the bidder meets the above qualifying criteria, they are subject to be disqualified if they have:

- Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements: and/or
- Record of poor performance such as abandoning the works, non – completion of the contract.

5. One Bid per Bidder

5.1 Each bidder shall submit only one bid. A bidder who submits more than one Bid will be disqualified. The bidder can be disqualified from bidding for any contract with DPA for a period of three years from the date of notification.

6. Joint Venture

Companies/Contractors may jointly undertake contract/contracts. The number of partners in JV/Consortium shall be limited to maximum of three. Each entity would be jointly and severally responsible for completing the task as per the contract, however declaration of the Lead member (JV has to designate one partner as Lead Member in their MOU) to be indicated by bidders. The firms with at least 26% equity holding each are allowed to jointly meet the eligibility criteria.

- A legally binding Joint venture / Consortium Agreement signed by authorized signatories of all the partners of the JV/Consortium, as per the Performa at FORM NO. 17 shall be enclosed with the bid.
- Power of attorney duly executed and signed by legally authorized signatories of all the partners, authorizing the Lead Partner (a) to submit bid, negotiate and conclude contract and incur all liabilities therewith on behalf of the partner(s) of the JV/Consortium during the bidding process; and (b) in the event of a successful bid, to incur liabilities and receive instructions for and on behalf

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of the partner(s) of the JV /Consortium and to carry out the entire execution of the contract including payment, exclusively through Lead Partner, as per the Performa at FORM NO. 16, which shall be duly authenticated by a notary public or equivalent certifying authority, shall be enclosed with the bid.

- The bid and in the case of the successful bidder, the Agreement, shall be signed and / or executed in such a manner for making it legally binding on all partners (including operative parts of the ensuing Contract in respect of Agreement of Arbitration, etc.). The Contract shall be signed by legally authorized signatories of all partners.
- The Lead Partner shall be authorized to receive instructions for and on behalf of the partners of the Joint venture and entire execution of the Contract including payment shall be carried out exclusively through the Lead Partner. A Statement to this effect should be included in the Joint Venture Agreement.
- All partners of the Joint Venture shall be liable jointly and severally for the execution of the Contract in accordance with the Contract terms, and a Statement to this effect should be included in the Joint Venture Agreement.
- Bid Security as required shall be furnished by Lead Member of Joint venture.
- Performance Guarantee, as required, will be furnished by Lead Member of Joint venture.
- Participation by a firm in more than one JV /Consortium is not permissible. A firm who submits bid on individual capacity is not eligible to be a partner of a JV /Consortium. In case a firm's name appears in more than one bid then both application may be rejected.
- Each partner must submit the complete documentation, or portions applicable thereto, required qualifying the firm for bidding.

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- All the partners of the JV/Consortium shall be jointly and severally liable for due performance, recourse/sanctions within the joint venture in the event of default of any partner and arrangements for providing the required indemnities.
- Notwithstanding demarcation or allotment of work among the partners, each partner shall be liable for non-performance of the whole contract irrespective of their demarcation or share of work.
- The Lead Partner shall be authorized to act on behalf of the JV/Consortium.
- All the correspondences between the Employer and the contractor shall be routed through the Lead Partner.
- In the event of default by the Lead Partner, it shall be construed as default of the Advisor; and Employer will take action under relevant clause(s) of the Bid Document and/or General Terms and Conditions of Contract.
- An undertaking that all the partners are jointly and severally liable to the Employer for the performance of the contract shall be enclosed with the bid.
- In the event of any partner leaving the JV, it shall be intimated to the Employer within 30 days by other partner(s). Failure to do so shall be construed as default of the Advisor and the Employer may take action under relevant clause(s) of the Bid Document and/or General Terms and Conditions of Contract.
- The Advisor shall not alter its composition or legal status without the prior written permission of the Employer. Failure to do so shall be construed as default of the Advisor and the Employer may take action under relevant clause(s) of the Bid Document and/or General Terms and Conditions of Contract.
- One of the partners of JV/Consortium should have downloaded the bid documents.

7. Cost of Bidding

7.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid and employer will in no case be responsible and liable for those costs regardless of the conduct or

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outcome of the bidding process.

8. Site Visit

8.1 The Bidder, at his own responsibility and risk is encouraged to visit and examine the site of work 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 at the Bidders' own expense.

B. Bidding Documents

9. Content of Bidding Documents

9.1 The set of bidding documents comprises the documents listed in the below and addenda issued in accordance with clause-19:

Invitation for Bids (NIT)

Bid Reference No. EL/WK/2831

- **NIT** : **Invitation for Bids**
- **Section I** : **Instruction to Bidders**
- **Section II** : **General Conditions of Contract**
- **Section III** : **Special Conditions of Contract**
- **Section IV** : **Forms of Bid**
- **Section V** : **Scope of Work & Technical Specifications**
- **SECTION VI** : **Approved Make List for Electrical Items**
- **SECTION VII** : **Bill of Quantities**
- **Section VIII** : **Drawings**
- **Section IX** : **Evidence Towards Site Visit**

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- **Section X** : **Information of bid capacity**
 - **Section XI** : **Integrity pact**

9.2 The bidding documents shall be downloaded. The documents should be completely filled and submitted through on line E – Tendering process.

9.3 The bidder is expected to examine carefully all instructions, conditions of contract, forms, terms, technical specifications, bill of quantities, in the bid document. Failure to comply with the requirements of the bid document shall be at the bidder's own risk. Bids which are not substantially responsive to the requirements of the tender documents shall be rejected.

10. Clarifications of the Bidding Documents

10.1 A prospective bidder requiring any clarification of the bidding documents may notify the employer in writing. The employer may respond to any request for clarification which are received within seven days prior to date of pre-bid meeting. The clarifications shall be uploaded on Website <https://tender.nprocure.com>, www.deendayalport.gov.in, and www.eprocure.gov.in.

10.2 Pre-Bid meeting

10.2.1 The bidder or his official representative may attend pre-bid meeting to be held on 07/02/2025 @ 12:00 hrs at Old Board Room, A.O Building, Gandhidham. The bidders/representative of bidders who wish to attend the Pre-Bid meeting shall furnish the authority letter on the letter head of Bidder, for attending the Pre-Bid Meeting on behalf of bidder at the time of Pre-Bid Meeting.

10.2.2 The purpose of the meeting will be to clarify issues related to work and tender conditions.

10.2.3 Pre Bid clarifications will be uploaded in <https://tender.nprocure.com>, www.deendayalport.gov.in or www.eprocure.gov.in website without disclosing source of enquiry.

10.2.4 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

10.2.5 At any time prior to the deadline for submission of Bids, employer may, for any reason, whether at its own initiative or in response to a clarification sought by any prospective bidder, modify the bidding documents by amendment / addendum.

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10.2.6 Those bidders who download the tender document from the website shall be solely responsible to check the web site for the amendment issued in shape of Corrigendum and/or Addendum.

11. Language of Bid

All documents relating to the bid shall be in the English language.

12. Documents comprising the Bid

The bid submitted by the bidder shall comprise the following:

A) Technical Bid:

i) Bid Security i.e. EMD & Tender Fees and Integrity Pact **along with MSME certificate and Bid Securing Declaration Form (for EMD and tender fee exemption)** should be submitted at Preliminary bid.

ii) Qualification information in accordance to clause of **Eligibility Criteria** shall be submitted.

B) Financial Bid :

(i) Bill of Quantities duly filled and digitally signed by bidder.

13. Bid Prices

13.1 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.

13.2 The prices shall be quoted inclusive of all Taxes, Duties, and other incidentals charges like

13.3 Transportation, Loading, Unloading, Boarding & Lodging etc. except GST and shall remain firm till completion of work. All other duties, taxes, cesses applicable if any, shall be borne by the contractor

14. Currencies of Bid and Payment

The unit rates and the prices shall be quoted by the bidder in Indian Rupees only.

15. Bid Validity

15.1 Bids shall remain valid for a period of 120 days from the date of opening of the Technical Bid.

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A bid valid for a shorter period shall be rejected by the employer as Non-responsive.

15.2 In exceptional circumstances, prior to expiry of the original time limit, the employer may request the bidders to extend the period of validity for additional period. The request and the bidders' responses shall be made in writing.

15.3 A bidder agreeing to the request will not be permitted to modify his bid.

16. Bid Security

16.1 EARNEST MONEY DEPOSIT (EMD)

₹ 6,06,298.00/- (Rupees Six lakh six thousand two hundred ninety Eight only) in the form of Bank Guarantee issued by Nationalized / Schedule bank except Co-Operative bank having its branch at Gandhidham will be accepted.

The tender not accompanied with EMD shall not be considered & their technical and price bid will be returned un-opened. EMD submit through Bank Guarantees (as per enclosed format Form-6 In Section IV) may be uploaded on □ (n) procure website.

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 only shall become eligible for exemption from payment of Tender fee/EMD. Such bidder shall upload the scanned copy of valid certificate **along with Bid Securing Declaration Form (Form 7 in Section IV)** in preliminary bid in order to become eligible for exemption from payment of EMD. It may be noted that exemption certificate issued by any other authority will not be entertained.

Level	Description
Section – F	CONSTRUCTION
Division – 42	CIVIL ENGINEERING
Group – 422	Construction of utility projects

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Class – 4220	Construction of utility projects
Sub Class - 42202	Construction/erection and maintenance of power, telecommunication and transmission lines

OR

Level	Description
Section – D	ELECTRICITY, GAS, STEAM AND AIRCONDITION SUPPLY
Division – 35	ELECTRICITY, GAS, STEAM AND AIRCONDITION SUPPLY
Group – 351	Electric power generation, transmission and distribution
Class – 3510	Electric power generation, transmission and distribution
Sub Class - 35107	Transmission of electric energy

(a) EMD

- (i) The EMD of successful Bidder will be refunded on submission of performance guarantee (in Form 10 of SECTION IV) as per the tender clause and executing the agreement (in Form9 of SECTION IV) as per tender clause. The EMD of unsuccessful bidders other than L1 & L2 be refunded immediately after ranking of Bids. Earnest Money of L2 bidder shall be refunded immediately after entering into agreement with L1 and acceptance of Performance Guarantee from L1.
- (ii) EMD will be refunded Suo-motto without any application from the Bidders.
- (iii) The EMD of successful bidder will be discharged (refunded) after he has signed the Agreement and furnished the required Performance Guarantee.
- (iv) Earnest Money Deposit will not carry any interest.

(b) Bid Security i.e. EMD will be forfeited if: Necessary action shall be taken to disqualify the bidder from bidding process of any contract with DPA for a period of 03 years, if:

- (i) The bidder withdraws the Bid after Bid opening during the bid validity;
- (ii) The bidder does not accept the correction of the Bid-Price, pursuant to any arithmetic errors;
- (iii) The successful Bidder fails within the specified time limit to
 - a) sign the Agreement or

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- b) furnish the required performance Guarantee
- (iv) The bidder submits more than one bid

17. Alternative Proposals by Bidders

17.1 Conditional offer or Alternative offers will not be considered in the process of tender evaluation.

18. Format and Signing of Bid

18.1 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.

19. Amendment of Bidding Documents

19.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by using addenda.

19.2 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.

19.3 To give prospective bidders reasonable time in which to take an addendum in to account in preparing their bids, the Employer shall extend as necessary the deadline for submission of bids.

D. Submission of Bids.

20. Submission of Bids

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

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Division of GNFC, 301

GNFC Infotower,

Bodakdev, Ahmedabad. Tel.

91 79 26857316/17/18

Fax: 91 79 26857321

Mobile: 9327084190 / 9898589652.

E-mail: nprocure@gnvfc.net.

The accompaniments to the tender documents as described under Clause **4.2** 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 the office of Executive Engineer (Electrical) on same day & time of opening of the tenders.

20.1 The envelopes shall be addressed to:

(a) Executive Engineer (E)

Deendayal Port Authority,
Electrical Division, Ground Floor,
Nirman Bhavan,
New Kandla – 370210. Gujarat-State.

(b) bear the following identification:

Accompaniments for “ Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.”

Bid reference No **EL/AC/2831**

Name and address of the bidder.

21. Deadline of Submission of the Bids

21.1 Bids must be received by the employer in On-Line System at websites <https://tender.nprocure.com> not later than 15:30 Hrs on 24/02/2025.

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- 21.2 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 <https://tender.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 <https://tender.nprocure.com> websites shall prevail.
- 21.3 The employer may extend the deadline for submission of bids by issuing an amendment on DPA website as well as on <https://tender.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.
- 21.4 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 change have been made in document. Any discrepancy is noticed at any stage between the port's tender document uploaded on <https://tender.nprocure.com> and the one submitted by the tenderer, the conditions mentioned in the port's tender document uploaded on <https://tender.nprocure.com> shall prevail. Besides, the tenderer shall be liable for legal action for the lapses.

22. Late Bids

- 22.1 After the deadline of submission of bid, the bids cannot be submitted in the On-Line System.

23. Modification and Withdrawal of Bids

- 23.1 Bidders may modify or withdraw their bids before the deadline of submission of bid or extension if any.
- 23.2 No Bid can be modified after the last date for submission of Bids.
- 23.3 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, the bidder can be disqualified from bidding for any contract with DPA for a period of three years from the date of notification.

E. Bid Opening and Evaluation

24. Bid Opening

- 24.1 On the due date and time, the employer will first open Technical bids of all bids received including modifications.
- 24.2 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.
- 24.3 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.
- 24.4 The bids which are technically qualified, their financial bids will be opened. The date of opening of financial bid will be declared in the <https://tender.nprocure.com> and www.deendayalport.gov.in as well as www.eprocure.gov.in.
- 24.5 The price bid i.e., BOQ will be opened only those bids qualify technically.

25. Clarification of Bids

- 25.1 To assist in the examination and comparison of Bids, the employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakup of unit rates. The request for clarification and the response shall be in writing, but no change in the price of substance of the Bid shall be sought, offered, or permitted.
- 25.2 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.
- 25.3 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.

26. Examination of Bids and Determination of Responsiveness

- 26.1 Prior to detailed evaluation of Bids, the employer will determine whether each Bid

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- (a) Has been properly digitally signed,
 - (b) Meets the eligibility criteria defined
 - (c) Is accompanied by the required Bid security and tender fees;
 - (d) Is responsive to the requirements of the Bidding documents.
 - (e) GST to be quoted invariable by bidder.

26.2 A substantially responsive Technical and Financial Bid is one which conforms to all the terms, conditions and specification of the Bidding documents.

26.3 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.

27. Evaluation and Comparison of Bids

27.1 The employer will evaluate and compare only the Bids determined to be responsive.

27.2 In evaluating the Bids, the employer will determine for each Bid the evaluated Bid price by adjusting discounts, if any.

27.3 If in the opinion of Engineer In Charge, 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.

F. Award of Contract

28. Award Criteria

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.

29. Employer's Right to accept any Bid and to reject any or all.

However prospective bidder(S) may raise query relating to bidding conditions, bidding process and/or rejection of its bids. The reasons for rejecting a tender or non-issuing tender to a prospective bidder will be disclosed where written enquiries are made by concerned bidder.

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30. Letter of Award:

The Chief Mechanical Engineer will issue the Letter of Award (Form No.8) intimating the successful bidder about the proposed pre-acceptance of tender.

31. Notification of Award and Signing of Agreement

- i) 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 confirmation in writing. In this letter (hereinafter and in the Conditions of Contract called the "Letter of Award") the contract amount, completion period of the work, etc will be mentioned in line with the tender conditions.
- ii) 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.
- iii) The Agreement will be submitted by successful Bidder within 14days (National Bid) 28 days (Global Bid) of issue of the notification of award (Letter of Award). The agreement will incorporate all correspondence between the employer and the successful bidder.

32. Contract Agreement:

32.1 The agreement on stamp paper shall be furnished by the Contractor as per the following guidelines within 14 days (National Bid) /28 days (Global Bid) from the date of issue of Letter of Award.

- i) The successful Bidder will be required to execute an agreement at his expense on three Hundred Rupees (Rs.300/-) Non-Judicial Stamp Paper in the proper departmental format (Form 9) for the due and proper fulfillment of the contract within 14 days (national Bid) 28 days (Global bid) from the date of Letter of Award.

32.2 Pending preparation and execution of the contract agreement as above, the tender submitted by the Contractor together with Chief Mechanical Engineer's letter/fax accepting the tender shall constitute a binding contract between the Board and the Contractor.

32.3. The contract period shall be reckoned from the date of issue of work order to commence the work.

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- i) The original agreement as per the format attached with the tender should be executed on a stamp paper of appropriate value (at present Rs.300/-)
 - ii) The Agreement should be submitted in duplicate and the date of execution is to be kept blank.
 - iii) Each page of the document is to be signed by the Contractor/ his authorized representative by indicating his full name.
 - iv) 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.
 - v) If the agreement is signed by a Partner/ a 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.
 - vi) The entire agreement should be in type written form/ computer printed form.
 - vii) Leaving blanks and insertion of some contents of the agreement with hand writing should be avoided.
 - viii) All corrections/ additions made in the agreement are to be initialed.

33. Performance Security

Security deposit shall consist of two parts; a) Performance Guarantee to be submitted after issue of LOI, and b) Retention money to be recovered from Running Bills.

- 1) Performance Guarantee shall be 10% of the contract price, of which 5% of contract price should be submitted as Performance Guarantee within 21 days, on receipt of Letter of Award and balance 5% to be 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 Bill. Retention Money (Except the portion of the total amount towards supply of LED, which will be refunded after two years of Guarantee) will be refunded within 14 days from the date of payment of final bill. Balance SD will be refunded immediately not later than 14 days from completion of defect liability period. The propionate item rate of LED Flood Light will be released after completion of 2 years as per the technical specification of the material.
- 2) Successful Bidder has to submit the Performance security @ 5% of Contract price within 21

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days of receipt of Letter of Award, failing which the work will not be awarded and the Bid Security i.e., EMD will be forfeited.

- 3) The Deendayal Port Authority will also be at liberty to deduct from performance guarantee or from any sums of money due or that may become due under any contract with the contractor that may become due to the employer. This is without prejudice to the rights of the employer under the terms of the contract. The Bank Guarantee is required to be dispatched by the issuing bank directly to The Employer by Registered AD Post.
- 4) The bank guarantee towards performance guarantee cum security deposit will be accepted in any nationalized bank/scheduled bank (Except co-operative bank) having its branch at Gandhidham.
 - 4.1) It is the responsibility of bidder to ensure that the BG should remain valid for 60(Sixty)days beyond the date of completion of all contractual obligation of the concern contract including defect liability period.
- 5) The Deendayal Port Authority may at their option forfeit the Performance Guarantee cum Security Deposit if the contractor fails to carry out the work or perform or observe the conditions of contract.
- 6) The Performance Guarantee cum Security Deposit will be released after successful completion of guarantee period.
- 7) The documentary evidence (copy of paid challan in government treasury) of welfare cess @1% of work done or as amended by statutory authority from time to time, paid on final bill shall be submitted before releasing the performance guarantee.

34. 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.

35. Time Schedule

The Contract shall be effective from the date of issue of Work Order and the work shall be

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completed within six (06) months from the date of issue of Work Order.

36. Corrupt or Fraudulent Practices

36.1 The employer requires that Bidders/Suppliers/Contractors under this contract, observe the highest standard of ethics during the procurement and execution of this contract. In pursuance of this policy, the employer:

- (a) defines the following for the purpose of these provisions:
 - (i) “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
 - (ii) “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.
- (b) 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.
- (c) Will declare a Bidder ineligible, either indefinitely for a stated period of time, to be award area contract/contracts if he at any time determines that the Bidder has engaged in corrupt or fraudulent practices in competing for or in executing, the contract.

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**Signature & Seal
Of Contractor
Authority**

-sd/-

**Executive Engineer (E)
Deendayal Port**

SECTION – II

GENERAL CONDITIONS OF CONTRACT

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:

- a. **“Employer”** means Board of Authorities of Deendayal Port, a body corporate under the Major Port Authority Act 2021, by notification issued by the Government of India, acting through its Chairman, Dy. Chairman or Chief Mechanical Engineer or any other officers so nominated by the Board.
- b. **“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.
- c. **“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.
- d. **“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, except GST, and duties to be paid to state or central Government.
- e. **“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.
- f. **“Chief Mechanical Engineer”** shall mean the Chief Mechanical Engineer of DEENDAYAL PORT AUTHORITY.
- g. **“Work” or “Works”** shall mean the whole of the plant and materials to be provided and work to be done executed or carried out by the contractor under the contract.
- h. The **“Site”** shall mean the whole of the premises, buildings and grounds in or upon which the system or works is or are to be provided, executed, erected, done or carried out.

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- ~~i. The “**Schedule**” shall mean the schedule or Schedules attached to the specifications.~~
 - j. The “**Drawings**” shall mean the drawings, issued with the specification which will ordinarily be identified by being signed by the Chief Mechanical Engineer and any further drawing submitted by the contractor with his tender and duly signed by him and accepted or approved by the Chief Mechanical Engineer and all other drawings supplied or furnished by the contractors or by the Chief Mechanical Engineer in accordance with these contract conditions.
 - k. “**Trials**” and “**Tests**” shall mean such trials and tests as are provided for in these conditions of contract and described in the specification and shall include all other tests to be carried out as per the requirement of the ‘employer’.
 - l. “**Approved**” or “**Approval**” shall mean approval in writing.
 - m. “**Engineer-in-charge/Nodal officer**” shall mean any officer/Engineer authorized by Chief Mechanical Engineer for purpose of this contract.
 - n. “**Day**” are calendar days, “**months**” are calendar months.
 - o. “**Equipment**” is the contractor’s machinery and vehicles brought temporarily to the site to construct the works.
 - p. “**Material**” are all supplies, including consumables, used by the contractor for incorporation in the works.
 - q. “**Plant**” is any integral part of the works which is to have mechanical, electrical, electronic or chemical or biological function.

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.

3. **Change Orders:**

At any time during the execution of the contract, by a written notice to the Contractor, changes may be made in the general scope of contract. The Engineer In-charge (EIC), with due approval of competent authority, may make any changes in the quality and/or quantity of the work or any part thereof that may, in his opinion, be necessary and for that purpose the Engineer In-charge shall have the power to order the Contractor to do and the Contractor shall do any of the

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following:

- a. Increase or decrease or split the quantity of work included in the contract,
- b. Omit any such work,
- c. Change the character, quality or kind of any such work,
- d. Change the dimensions of any such work,
- e. Change in Location
- f. Execute additional work of any kind necessary for completion of the work under the contract, and no such change shall in any way vitiate or invalidate the contract but the cost, if any, arising out of all such changes shall be taken into account in ascertaining the total amount of the contract price. Where the rate is available in the contract and the same is applicable to the additional work, in the opinion of the EIC, the cost of the additional work shall be determined as per this available rate. But, if the rate for additional work is not available in the contract, the same shall be determined by the EIC taking into account the market rate and labour cost at the site for similar works and shall be final.
- g. Deviations from the specifications as contained in the tender agreement including the make / model, shall not be accepted. In case of any such deviation, payment shall not be made for that part of the work / item, even if it is meeting the functional requirements and has been accepted by the purchaser. The payment for such portion of the work / item can only be released if the contractor makes good the deviations before the expiry of the warranty period so as to meet the specifications of the tender agreement in all respects.

4. Resolution of Dispute

4.1 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.

4.2 Jurisdiction of Courts:

All such disputes, which could not be settled at the intervention of Chairman, DPA, shall be subjected to the jurisdiction of the courts at Gandhidham.

5. Force Majeure

5.1 In the event that the Contractor is delayed in performing its obligations in the

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~~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.

- 5.2 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.
- 5.3 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.

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 DPA 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.

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7. ~~Payment Terms (Modified as per Clause No. 2 of Special Conditions, Section – III)~~

All payments shall be made in Indian rupees unless specifically mentioned.

- i. 70% of supply item rate against receipt of material at site in good condition after obtaining insurance cover as per tender condition (if TPI appointed then after inspection & certification of the same by Third Party Inspection Agency).
- ii. 20% of supply item rate after completion of erection, installation, testing and commissioning, etc. (if TPI appointed then after inspection & certification of the same by Third Party Inspection Agency)
- iii. 90% of item rate covers only laying/fixing/installation.
- iv. Remaining 10% will be released after successful completion of whole work (if TPI appointed then after inspection & certification of the same by Third Party Inspection Agency).

NOTE:

The payment shall be made through RTGS /NEFT and the Contractor should be furnished following details:

Bank Payment Agreement Form

- a. Name of Party
- b. Account No.
- c. Branch Name
- d. Branch Station
- e. IFSC code of the bank
- f. MICR code
- g. Accepted for : NEFT payment or 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

Declaration by the bank

It is hereby informed that the details mentioned by the party is correct as per our records and any payment made by DPA to this account will be accepted either by RTGS/NEFT.

Signature of the bank manager with the seal.

8. Insurance

8.1 The contract shall provide in the joint names of the employer and the contractor, insurance cover from the start date to the end of guarantee period for the following events which are due to the contractor risk:

1. Loss of or damage to the works, plan and materials
2. Loss of or damage to equipment
3. Loss of or damage of property (except the works, plant, materials and equipment) in connection with contract, and
4. Personal injury or death

8.2 Policies and certificates for insurance shall be delivered by the contractor to the engineer in charge or his nominee before the commencement of work. All such insurances shall provide for compensation to be payable to the types and proportions of currencies required to be rectify the loss or damage incurred.

8.3 Alterations to the terms of insurance shall not be made without the approval of the engineer in charge or his nominee,

8.4 All the materials shall stand insured from the time of arrival at site till commencement of erection against fire, pilferage, damage and against natural calamities for the value of 90% of each item.

8.5 During erection and till the work is completed and satisfactory taken over by the D.P.T after testing the materials shall stand covered by suitable erection insurance also for the value of 110% of the item. The charges for the insurance shall be borne by the Contractor.

9. Time Extensions

The Contractor may claim extension of the time limits in case of;

- (i) Changes ordered by DEENDAYAL PORT AUTHORITY.
- (ii) In case work is delayed on DPA's Account, i.e. due to delay in approval of drawings, non-availability of site clearance or any other reason, DPA will

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consider time extension of merit. However, no compensation will be paid to the Contractor if work is delayed on DPA's account. The Contractor shall submit the request for extension, within 30 days of occurrence of such delay, clearly indicating the justification for such extension.

- (iii) Force Majeure.
- (iv) All the incidents of delay should be entered in the hindrance register which will be base for granting any extension.

10. 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.

11. Liquidated Damages

- 11.1 In case of delay in completing the contract, liquidated damages (LD) may be levied at the rate ½% of the contract value per week of delay or part thereof subject to a maximum of 10% of the contract price.
- 11.2 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 LD. In the event of extension of time at its discretion with LD the employer will be entitled without prejudice to any other right or remedy available in that be half percent (½%) of the contract value of the works for each week or part of the week subject to the ceiling 10% of contract value.
- 11.3 The employer, if not satisfied that the works can be completed by the contract, and in the event of failure on the part of the contractor to complete work within 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.
- 11.4 The employer, if not satisfied with the progress of the contract and in the event of failure of the contract to recoup the delays in the mutually agreed time frame, shall be entitled to terminate the contract.
- 11.5 In the event of such termination of the contract as described in clauses (11.3) or (11.4) or both, the employer shall be entitled to recover LD up to ten percent (10%)

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~~of the contract value and forfeit the security deposit made by the contract besides~~
getting the work completed by other means at the risk and cost of the contractor.

- 11.6 In case part/portion of the work can be commissioned and port 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.

12. Variations

12.1 Variation in Conditions of Contract:

In case of any variation in Instructions to Bidders (ITB), General Conditions of Contract (GCC) and the Special Conditions of Contract – if any special conditions of contract shall prevail. But in case of any requirement/condition specified in the Scope of Work, it shall prevail over all other conditions.

12.2 Variation in Quantities of Schedule – B

The overall as well as individual variations shall be $\pm 30\%$ in quantity for which the rate quoted by the bidder and accepted by the employer shall be applicable.

13. Acceptance

Upon completion of work under this contract, the Board may accept the works and/or services after installation, if defects or shortcomings are not considered essential and, the Contractor agrees to make good the deficiencies in confirmation with this contract. No work shall be accepted before the Contractor clears the site of scraps, unused materials, work shed, equipment and all such materials which were used for

execution of the work and not required any more at the work site. Also, the Contractor has to submit all the documents and final “as built” drawings as per the contract agreement without which no work shall be treated as complete.

Completion Certificate shall be issued by the employer after satisfactory completion of work as per tender and after taking trial.

14. Guarantee (Modified as per Clause No. 3 of Special Conditions, Section – III)

- 14.1 The warranty period shall be valid up to six/twelve months (6 months for repairs and 12 months for new works including supplied items) with effect from the date of acceptance of the work and/or services, unless otherwise specified in the scope of work/Special Conditions of Contract (SCC).

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~~14.2 The Contractor shall warrant the Board that the goods and services under this contract will comply strictly with the contract, shall be first class in every particular case and, shall be free from defects. The Contractor shall further warrant the Board that all materials, equipment and the supplies furnished by him will be new and fit for their intended purposes.~~

14.3 The Board shall promptly notify the Contractor in writing of any claim arising under this Warranty. Upon receipt of such notice, the Contractor shall promptly repair or replace the defective goods and/or services at no cost to the Board.

14.4 If the Contractor, having been notified, fails to rectify the defects in accordance with the contract, the Board may proceed to take such remedial action as may be necessary, at the Contractor's risk and cost.

15. Taxes

GST Clause:

The contractor shall quote the price exclusive of GST. The contractor shall quote prevailing GST rate separately, which shall be reimbursed by DPA after ascertaining necessary compliance as per Goods & Service Tax, 2017.

All other duties, taxes, cesses applicable if any, shall be borne by the contractor.

Deduction of Income-Tax & GST:

Income-Tax deductions and surcharge & GST + TDS 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.

Tax: The rates quoted by the contractor shall be deemed to be inclusive of the taxes, duties etc. (except GST) which the contractor will have to pay for the performance of this contract. The employer will perform such duties in regard to the deduction of such taxes at sources as per applicable law.

16. Deduction:

16.1 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.

16.2 While performing under the contract, the damages caused by the Contractor or his workers to any of the Port Authority property shall be promptly made good by the]

Contractor at his own cost. In case the Contractor fails to repair/replace the damage,

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~~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

Engineer-In-charge (EIC) shall be conclusive.

- 16.3 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.

17. Subcontracts

The Contractor shall not be allowed to engage any sub-contract for all or any part of this contract.

18. Idle Charges

All efforts shall be made for timely supply of materials and/or equipment where it is included in the scope of Deendayal Port. However, the Contractor shall not be entitled to any idle charges for delay in supply of materials and/or equipment by the Port Authority. Further, in case of any delay due to stoppage of work ordered by the Port Authority to avoid interruption in other important activities of Port Authority or any other reason, the Contractor shall not claim any idle charges.

19. Personal Protective Equipment (PPE)

The Contractor shall be solely responsible, at his own cost, for the supply of required PPE to his workers and staff and he shall also ensure the use of PPE such as helmets, nose masks, hand gloves etc. by his staff at site.

20. 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.

21. 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 Engineer-In-Charge giving all the details in writing. He shall also provide additional information about the accident as requested by the EIC.

22. Watch and ward

During the execution of the contract, it shall be the responsibility of the Contractor

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~~to arrange watch and ward of the work including the raw materials,~~
machine/equipment/system used for the work at his own cost till the date of acceptance of the work by DEENDAYAL PORT AUTHORITY.

23. Termination

23.1 The Board may, without any prejudice to any other remedy for breach of contract, by written notice of default sent to the Contractor, terminate the contract in whole or in

23.2 part:

- (i) if the Contractor fails to execute the work within the period as specified in the contract or any extension granted by the Board;
- (ii) if the Contractor fails to perform any other obligation under the contract and if the contractor does not cure the same after receipt of a notice of default, the nature of default as well as the time within which the default has to be cured by the Contractor.

23.3 In the event of Board's termination of the contract in whole or in part, the Board may execute the remaining work or procure goods similar to those undelivered by the Contractor and the Contractor shall remain liable to the Board for any excess cost for such works or goods and risks, if any.

23.4 The Board will pay the Contractor, for all the items that are completed and ready for delivery, within 30 days after termination. The payment shall be made only after all the afore-mentioned goods are supplied to and accepted by DEENDAYAL PORT AUTHORITY. The amount so decided by the Engineer-in-Charge in this regard shall be final and binding.

23.5 In case of termination of contract for default by the Contractor, the Board may not permit the Contractor to participate in any of the future tender of DEENDAYAL PORT AUTHORITY for a period decided by DPA.

23.6 The employer may terminate the contract if Contractor causes a fundamental breach of the contract.

23.7 Fundamental breaches of contract include, but shall not be limited to the following:

- a) The contractor stops work for 28 days and the stoppage has not been authorized by the Engineer-in-Charge or his nominee.
- b) The contractor becomes bankrupt.
- c) The contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the contract data and

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- ~~d) 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.~~
- e) 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. "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".
- f) 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.
- g) Any material lying at site will not be removed without the prior written permission of Engineer in Charge.

24. Arbitration Clause:

- 24.1 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.
- 24.2 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.
- 24.3 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.
- 24.4 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.

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~~24.5 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.~~

24.6 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.

24.7 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 Engineer –in-charge 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 Authority shall be discharged and released of all liabilities under the contract in respect of these claims.

24.8 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.

24.9 The award of the arbitrator shall be final, conclusive and binding on all the parties to Contractor.

24.10 The arbitrators from time to time, with the consent of both the parties, enlarge the time for making & publishing the award.

24.11 Arbitration shall be conducted in accordance with the provisions of Indian Arbitration Act, 1996 or any statutory modifications or enactment thereof and rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

24.12 It is also a term of the contract that if any fees are payable to the arbitrator, this shall be pied equally by both the parties.

24.13 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.

24.14 Venue of the arbitration shall be such place as may be fixed by the arbitrator at his sole discretion.

25. Indemnification

The Contractor shall indemnify, protect and defend at its own cost, DEENDAYAL

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PORT AUTHORITY and its agents & employees from & against any/all actions, claims, losses or damages arising out of

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

26. Engineer-in-Charge or his nominee's Decisions

Except where otherwise specifically stated, the Engineer-in-Charge or his nominee will decide contractual matters between the employer and the Contractor in the role representing the employer.

27. 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.

28. 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).

29. Personnel:

29.1 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 Engineer-in-Charge. The Engineer-in-Charge 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.

29.2 If the Engineer-in-Charge 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.

30. Employer's Obligation

30.1 Electricity, water and land for execution of the work at site shall be provided on payment of applicable tariff of the employer subject to availability. If DPA is unable

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~~to provide electricity and water the same will be arranged by the contractor at his own cost.~~

30.2 The employer will not provide Port Authority Quarters, during the tenure of contract.

30.3 Administrative support only, for obtaining clearance from any statutory authority, shall be provided by the employer.

30.4 On successful completion of all the obligations under the contract and on the request of the Contractor, the employer shall issue a "Completion Certificate with the approval of the Chief Mechanical Engineer, the employer.

31. Queries about the Technical Data

The Engineer-in-Charge or his nominee will clarify queries on the Technical Data.

32. Approval by the Engineer-in-Charge or his nominee.

The Contractor shall submit the makes of material, equipments, specifications and drawings for proposed Work to the Engineer-in-Charge or his nominee, who is to approve them subject to compliance with the Technical specifications and drawings.

The Engineer-in-Charge or his nominee's approval shall not alter the Contractor's responsibility for the work.

All drawings prepared by the contractor for the work if any, are subject to prior approval by the Engineer in Charge or his nominee before procurement/execution.

33. Discoveries

Anything of historical or other interest or of significant value unexpectedly discovered on the site is the property of the employer. The contractor is to notify the employer or his nominee of such discoveries and carry out the instructions of employer or his nominee for dealing with them.

34. Access to the site

The contractor shall allow the Engineer in charge or his nominee and any person authorized by him access to the site to any place where work in connection with the contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured, fabricated and/or assembled for the work.

35. Instructions

The contractor shall carry out all instructions of the engineer or his nominee which comply with applicable laws where the site is located.

~~36. Safety~~

The Contractor shall be responsible for the safety of all activities on the Site.

Quality Control

37. Identification of Defects

The Engineer-in-Charge or his nominee shall check the work carried out by Contractor and notify the Defects found if any. The Engineer-in-Charge or his nominee may instruct the Contractor to rectify the Defect.

38. Correction of Defects

38.1 The Engineer-in-Charge or his nominee shall give notice to the Contractor of any Defects before the end of the Defects Liability Period (Guarantee Period), which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

38.2 Every time notice of a Defect is given the Contractor shall correct the notified Defect within the length of time specified by the Engineer-in-Charge or his nominee's notice.

39. Uncorrected Defects

If the Contractor has not corrected a Defect within the time specified, the Engineer-in-Charge or his nominee will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

40. Employer's right of Rejection

The employer shall reserve the right to reject a part portion or consignment thereof within a reasonable time after actual delivery thereof at the place of destination, if consignment is not in all respects in conformity with terms & conditions of the contract whether on account of any loss, deterioration or damage before dispatch or delivery or during transit or otherwise whatsoever.

41. Removal of Rejected goods

Rejected goods shall under all circumstances lay at the risk of the contractor from the moment of rejection and if such goods are not removed by the contractor within 21 days from the date of intimation from the Engineer-in-Charge. Engineer-in-Charge may either return to the contractor at the risk and cost of the contractor by such mode of transport as the Engineer-in-Charge may select or dispose of such material at the contractor's risk on his account and retain such portion of the sale proceeds as may be necessary to recover any expenses incurred in such disposals.

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~~42. Use of Contract Document~~

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

43. 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 under taken by him in the Port premises.

44. 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 it's request with adequate justification.

45. Approvals

The Engineer-in-Charge shall give specific approval in writing within 7 Days to Contractor after written submission regarding Makes of Material to be used for the Contract and Drawings, if any to be furnished by the Contractor to Engineer-in-Charge for approval. Any corrections to be suggested by Engineer-in-Charge in drawings, the days taken for rectification in drawings shall be in account of the Contractor.

46. Third Party Inspection

The Third Party Inspection Agency shall be arranged by DPA and cost of Third Party Inspection mentioned below shall be borne by DPA.

- (i) The Third Party Inspection Agency will carry out approval of drawings if any, material inspection at manufacturer's works/site, dispatch clearance from manufacturer's work, certification for releasing stage payments as per payment terms of contract for all the material as per schedule/work till taken over by DPA.

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~~(ii) The Third Party shall carry out inspection of work as per tender specification/relevant standard.~~

(iii) The above stage payment shall be released after certifying by the third party and copy of the same shall be produced by Contractor for releasing the stage payment as per **Payment Terms**.

47. Bar Chart

The Contractor shall submit a bar chart, before signing the agreement, clearly indicating the plan for timely execution of the work. The bar chart must indicate the individual activities and commencement and completion dates of each activity. The bar chart shall be used for monitoring the progress of the work.

48. 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.

49. Police verification of Contract Labour

The Contractor who has been awarded the job through Work Order shall furnish necessary Police Clearance Certificate in respect of character and antecedents of all Contract Labourers engaged by them, before commencing the work at site.

This will be a part of Contractual Agreement, as entire Cargo Jetty, Oil Jetty area has been declared as "**Prohibited Area**". Contractor who would be awarded contract is required to comply with the above requirements.

Contractor shall obtain such 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 Engineer in Charge of respective Divisions, to be forwarded to Commandant, CISF which our Security Department along with request for issuance of Entry Passes.

The Contractor shall, if required by the Engineer-in-Charge, deliver to the Engineer-in-Charge a return in detail, in such form and at such intervals as the Engineer-in-Charge 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 Engineer-in-Charge may require.

a) Submission of Labour Reports by Every Fortnight:

The contractor shall submit, by the 4th and 19th of every month, to the Engineer-in-Charge a true statement showing, in respect of the second half

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of the preceding month and the first half of the current month respectively.

- (1) The number of labourers employed by him on the work.
- (2) Their working hours.
- (3) The wages paid to them.
- (4) The accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them, and
- (5) The number of female workers who have been allowed Maternity Benefit, according to clause 19 F and the amount paid to them, failing which, the Contractor shall be liable to pay to Government a sum not exceeding Rs. 200/- for each default or materially incorrect statement. The decision of the Engineer-in-Charge shall be final in deducting from any bill due to the contractor the amount levied as fine and be binding on the contractor.

b) No Labour Below 14 Years:

No labour below the age of 14 (fourteen) years shall be employed on the work.

50. Registers to be maintained at site

(1) Site order Book:

A site order book is to be maintained by the contractor at the site. The work orders and instructions written in the site order book shall be deemed to have been legally issued to the contractor shall sign each entry in the site order book as a token of his having seen the same. The site order book shall be property of the Board and 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 or his authorized representative.

(2) Hindrance Register:

Every type of hindrance arising during the execution of work should be invariably recorded in the hindrance register. The Hindrance Register is to be maintained by the Engineer in Charge at the site. The contractor shall sign each entry in the hindrance Register as a token of his having seen the same. The Hindrance Register shall be property of the Board.

51. No damage, hindrance or interference to the Port activities:

The contractor shall be required to execute the work in such a manner as not to

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~~cause any damage, hindrance or interference to the Port activities and the work going~~
on in the area. The contractor shall have to make good the loss at his own cost and risk all damages caused by his workmen to Port property and no extra payment shall be made to him on that account.

52. Tools & Tackles

All the tools, tackles, bricks, cement, ladders etc. for executing the work will have to be arranged by the contractor at his own cost. Arrangement for storing the materials, tools etc. will also have to be made by him. The EMPLOYER shall not be responsible for any theft/loss of any materials, tools, etc. stored/brought by the contractor for execution of work within the Port area.

53. Hot work:

In case of carrying out any hot work such as gas cutting and welding necessary regulations, prevailing at DEENDAYAL PORT AUTHORITY for such works shall be observed by the tenderer and necessary fire watch permit and No Objection Certificate shall be obtained from the concerned authorities of the port and necessary

charges at the scale of rate prevailing in the port at that time shall be paid by the contractor.

54. Indian Dock Safety Regulations

Necessary Indian Dock Safety Regulations for the safety purpose shall be adhered to by the contractor and he will be held responsible for any violation of the same.

55. Valid Electrical Contractor License and Electrical Supervisor Certificate (Modified as per Clause No. 8 of Special Conditions, Section – III)

The contractor shall have valid electrical contractor's license for carrying out electrical work of nature involved in this tender obtained from the Commissioner of Electricity, Energy & Petrochemical Department, (Inspection wing), Block No. 18, 6th floor, Sector No. II, Udyog Bhavan, Gandhinagar, Government of Gujarat without which the tender shall not be accepted. Contractor shall submit certificate and copy of the license in lieu of the same for consideration.

The contractor shall also have a valid Electrical Supervisor's certificate of competency, issued from the Commissioner of Electricity, Energy & Petrochemical Department, (Inspection wing), Block No.18, 6th floor, Sector No. II, Udyog Bhavan, Gandhinagar, Government of Gujarat or equivalent authority from the other states/central Govt.

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~~**56. Action where no Specifications are specified**~~

The work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in- Charge.

57. Undertaking by the Contractor

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.

58. Labour License:

The contractor will have to obtain necessary License from Assistant Labour Commissioner (ALC), Gopalpuri, Gandhidham (Kutch), in case he is engaging ten or more workers on any day during execution of work.

59. Fraudulent documentation by bidders:

Submission of fraudulent documents shall be treated as major violation of the tender procedure and in such cases the Port shall resort to forfeiture of EMD, if any/SD/BGof the bidder, apart from blacklisting the firm for the next 3 years.

- 60.** If applicable, the contractor shall be registered under the Building and Other Construction Workers (Regulation of Employment and Conditions of Service)Act, 1996.

**Signature & Seal
of Contractor**

Sd/-
**Executive Engineer (E)
Deendayal Port Authority**

SECTION – III

SPECIAL

CONDITIONS

(These special conditions will supersede the General Condition and ITB wherever applicable)

1. Clause No. 6 of Instructions to Bidders (ITB), Section – I is not applicable.
2. The Clause No. 7 of General Condition of Contract (GCC), Section – II is modified and shall be read as under:

3. Payment Terms:

All payments shall be made in Indian rupees unless specifically mentioned.

50% payment will be released after receipt of material at site in good condition, after obtaining insurance cover as per tender condition (TPI inspection & certification of the same by Third Party Inspection Agency mandatory) and after inspection & acceptance of material by DPA.

40% of item rate after completion of erection, installation, testing and commissioning etc. and 90% of item rate for item covers only laying/fixing etc. (TPI inspection & certification of the same by Third Party Inspection Agency mandatory).

10% will be released after successful completion of whole work (TPI inspection & certification of the same by Third Party Inspection Agency mandatory) and handing over to DPA.

The execution of item No: - 03 & 14 of Schedule-B will be done under the supervision of Civil Department, in order to release the payment in respect of item No: - 03 & 14 of schedule- B a certificate is required from Civil Engineering Department that Civil work for muffing & filling respectively has executed as per specification and to the satisfaction as per the scope.

NOTE:

The payment shall be made through RTGS /NEFT and the Contractor should be furnished following details:

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~~Bank Payment Agreement Form~~

- (a) Name of Party
- (b) Account No.
- (c) Branch Name
- (d) Branch Station
- (e) IFSC code of the Bank
- (f) MICR No.
- (g) Accepted for: NEFT payment or 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

Declaration by the bank

It is here by informed that the details mentioned by the party is correct as per our records and any payment made by DPA to this account will be accepted either by RTGS/NEFT.

Signature of the bank manager with the seal

4. The Clause No. 14 of General Condition of Contract (GCC), Section – II is modified and shall be read as under:

Guarantee:

The guarantee period shall be for a period of one year from the date of handing over of entire work/completion work except for the supply of LED Flood Light fittings for which a guarantee period of 2 years.

The Contractor shall give guarantee to the Board that the goods and services under this contract will comply strictly with the contract, shall be first class in every particular case and, shall be free from defects. The Contractor shall further give guarantee to the Board that all materials, equipment and the supplies furnished by him will be new and fit for their intended purposes.

The Board shall promptly notify the Contractor in writing of any claim arising under this guarantee. Upon receipt of such notice, the Contractor shall promptly repair or replace the defective goods and/or services at no cost to the Board.

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~~If the Contractor, having been notified, fails to rectify the defects in accordance with the contract, the Board may proceed to take such remedial action as may be necessary, at the Contractor's risk and cost.~~

5. Integrity Pact:

The Integrity Pact duly signed by authorized person(s) with witnesses are to be submitted by the bidders along with tender fee and EMD in preliminary bid failing which the bid will be treated as non-responsive.

Bidders are required to sign the integrity pact (Provided in Section XI along with the tender document), failing which their bid shall be liable for rejection. The "principal" means "Deendayal Port Authority" and "Counter party" means "Vendor / Supplier / Contractor".

If a Counter party commits a violation of its Commitments and Obligations under the Integrity Pact Program during bidding process, their entire Earnest Money Deposit, would be forfeited and in addition, they may be blacklisted from the DPA business in future.

In case of violation of the Integrity Pact by Counter party after award of the Contract, DPA shall be entitled to terminate the contract. DPA would forfeit the Security Deposits; encase the Bank Guarantee(s) and other payments to counter party in such cases.

The "Procedure for signing Integrity Pact" is as follow:

(1) The Employer / Authorized Person of Employer has signed the IP in the presence of a witness from their side, who has also affixed his/her signature thereof and then the same IP has been uploaded on n-procure portal

(2) The potential bidders shall download and print the IP Agreement signed by the Employer and their witness and affix his/her signature on the IP Agreement in the presence of a witness from his/her side, who shall also affix his / her signature thereof. Having completed

the signing procedure, the Potential Bidder shall upload the duly filled and signed IP Agreement on n-procure portal.

(3) The procedure mentioned above regarding signing of Integrity Pact Agreement by both

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~~the parties (Employer and Potential bidders) shall be completed online.~~

However, in case of any technical glitch due to which if any potential bidder is unable to upload the IP Agreement, then he / she shall submit the Hard Copy of the duly filled, signed IP Agreement to the Department concerned of DPA within a period of seven days and prior to opening of the Technical Bid, failing which Bid of potential Bidder shall be treated as disqualified.

6. Contractor / Service provider / Supplier etc. has to ensure timely and proper filling of GSTRI so that Deendayal Port Authority can avail input tax credit in timely manner. In case DPA not allowed Input tax credit due to failure on part of the contractor / service provider / Supplier etc. it will be a financial loss to DPA and therefore same shall be recovered from the payment / deposit o the contractor / service provider / Supplier.
7. The contractor shall be registered under the Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996.

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8. The contractor shall supply the materials of only the particular bands/Make specified in the tender. If none of the make/brands are available in the market, then the department will accept the equivalent make/brand subject to the contractor producing a letter of non-availability from the manufacturer only. The EIC will ascertain the veracity of that letter directly from the manufacture. Such material will be accepted after obtaining the approval of the authority who approved the tender.

9. The clause no. 55 of GCC of Section – II is modified and shall be read as under:

The contractor shall have valid electrical contractor's license for carrying out electrical work of nature involved in this tender obtained from the competent authority of their respective states without which the tender shall not be accepted. Contractor shall submit certificate and copy of the license in lieu of the same for consideration.

10. Condition for Executing Civil Portion work:

1. The contractor shall have to carry out the work maintaining proper camber and gradient to the paving as directed by the Engineer-in-charge.
2. The stone metal 12 to 20 mm, 25 to 40mm, crush metal and sand shall be from approved quarries.
3. Side slopes of paving shall be done properly as per the direction of Engineer-in-charge.
4. Stripping of Form work shall be done as per relevant clause in IS 456-2000. No dispute/claims shall be entertained on account of this.
5. Proper arrangement shall be made for the protection of fresh concrete work.
6. On completion of CC works, no persons shall be allowed to move on green concrete surface. As such contractor shall have to make a special arrangement for finishing the concrete in such a way so as not to disturb the green concrete.
7. The forms shall be jointed neatly and shall be set with exactness to the required grade and alignment.

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8. The form work shall be made up from water proof plywood of good quality. The rate shall include the cost of materials and labour for the operations involved such as
 - (i) Splayed edges, notching allowances for over laps and passing at angles, battens, centering, shuttering, strutting, propping, bolting, nailing, wedging, easing, striking and stripping of the same.
 - (ii) Filleting to form stop-chamfered edges or splayed external angles not exceeding 20 mm. width.
 - (iii) Dressing with oil to prevent adhesion of concrete with shuttering.
 - (iv) Raking or circular cutting.
9. All the form work shall be inspected by the Engineer-in-charge and their suitability ascertained the form shall be thoroughly scraped, cleaned before reusing the same.
10. The contractor shall have to make his own arrangement for water required for the work.
11. The mix design for GSB work shall be as suggested by the Port Laboratory. For this purpose, the contractor shall supply the requisite quantity of granular material, etc. to the laboratory free of cost. However, no other charges will be recovered from the contractor for this purpose.
12. Density test of compacted layer shall be carried out as per MOST specifications or as directed by Engineer-in-Charge. The cost on the arrangement for the test at site of work shall be borne by the contractor. All the testing charges for test shall be borne by the department.
13. The work shall be done strictly in accordance with the specifications laid down in/ as per IS and IRC in addition to specifications given in Schedule "B" approved plans and orders issued from time to time by the Engineer-in-charge.
14. Contractor has to arrange their own Vibrator/ Power Road Roller of required capacity and other mechanical appliances in good conditions which are required for proper execution of work.
15. The contractor shall have to collect and stack the required materials from the approved quarry. These materials shall be free from foreign materials and should be got approved from the Engineer-in-charge before putting them into use. These materials shall be of required size and are to be duly screened. Unwanted or rejected materials shall not be stacked at the site of work and shall be removed by the contractor at his own cost.

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16. Contractor has to give samples of quarry materials and same shall be got approved before starting of work.
17. As per site condition, the approach etc. will be required which the contractor shall provide at his own cost. Contractor shall consider these aspects while quoting the rates in tender. Nothing extra will be paid for the same.
18. Stone metal shall be hard, durable and free from excess flat elongated soft and dis-integrated particles, dirt and other objectionable materials.
19. The stone chips brought from approved quarry shall be from the quarried boulders. It shall be suitable for use with bitumen according to standard specifications and shall be cleaned and free any weathering action on all sides, the metal chips shall be properly graded by screening and reserving over size and under size.
20. The contractor shall produce the sample of all the materials and shall get it approved from Engineer-in-charge before staking at his site of work.
21. The contractor shall have to obtain quarry permits from the office of the Geologist, Department of Geology and Mines, Bhuj-Kutch before quarrying any secondary materials like sand, trap stone, etc.
22. All the royalties of materials, quarry fees, octroi, wharfage charges, any taxes etc. are payable by the contractor directly to the Authority concerned and the rates quoted shall be deemed to be inclusive of all such charges.
23. All royalties of materials, quarry fees, etc., payable by the contractor directly to the authorities concerned and rates tendered shall be deemed to be inclusive of all charges. Before claiming refund of Security Deposit, the contractor shall produce 'No due certificate' from the Geologist, Geology and mining department Bhuj.
24. Before commencement of work the Engineer and the Contractor shall jointly survey and record all ground levels on the site. The Contractor shall supply all necessary equipment and attendance for carrying out such surveys. The contractor shall prepare record drawings showing the agreed levels which shall be signed by the Engineer and the Contractor.

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25. The contractor shall have to make his own arrangement for the power/ vibratory road roller and other appliances which are required in proper execution of the work.

26. Supply of water

(i) The contractor shall have to make his own arrangements for the water required for execution of work and for labours etc.

(ii) Water used for mixing and curing shall be clean and free from injurious amounts of oil, acids, alkalis, salts, sugar, organic materials or other substances that may be deleterious to concrete or steel.

(iii) Unfiltered potable water is generally considered suitable for mixing and curing. Mixing and curing with sea water shall not be permitted in any case.

(iv) Periodically samples of water shall be tested as per IS-3025 and as a guide, the following concentrations represent the maximum permissible values:

a) To neutralize 200 ml sample of water using Phenolphthalein as an indicator, it should not require more than 2 ml of 0.1 normal NaOH.

b) To neutralize 200 ml sample of water using Methyl Orange as an indicator, it should not require more than 10 ml. of 0.1 normal HCL.

c) The permissible limits for solids shall be as follows :

	Permissible limits [Max.]
Organic	200 mg/lit
Inorganic	3000 mg/lit
Sulphates [So]	500 mg/lit
Chlorides [CI]	500 mg/lit
Suspended matter	2000 mg/lit

d) The PH value shall not be less than 6”.

27. During the execution of works dewatering manually or by pumping is to be done by the contractor at his own cost, if found necessary and no claim on this account shall be entertained.

28. The contractor shall arrange to supply periodically samples of course aggregates, fine aggregate, water etc. to the Port Laboratory for testing as per relevant I.S. and as per MOST specifications.

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

However, all the materials shall be arranged by the contractor free of cost for testing, However, no testing charges will be recovered from the contractor for testing of materials in Port Laboratory.

29. For item no 14-reclamation work, the thickness of bottom three layers shall be maximum 300mm and top three layers shall be maximum 200mm as per the formation required.

30. For item no 3 necessary cost of formwork / shuttering required for the work is included.

31. Materials arranged by the contractor

The contractor shall submit original bills for the cement, etc. for verification, brought to site. In all contracts where issue of cement is not stipulated, special conditions shall be incorporated as below :

Special conditions for Cement

- 1) The contractor shall procure 53 grade (confirming to IS 12269-1987) OPC cement, as required in the work, from reputed manufacturers of cement having a production capacity not less than one million tons or more per annum as approved by the Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product.
- 2) The supply of cement shall be taken in 50 kg. Bags bearing manufacturer's name, date of manufacturing, batch number and ISI marking. The cement shall be brought at site in bulk supply of approximately 50 tons or as decided by the Engineer-in-charge. The cement godown of the capacity to store a minimum of 1000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made.
- 3) Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so. The cement shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor.

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

- 4) Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in- Charge at any time.
- 5) The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need be made.
- 6) The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.
- 7) The cement procured by the contractor should not have aged more than 12 weeks.
- 8) The cement should be supplied in Bags. However the usage of loose cement in Silos will be allowed on prior approval of Engineer-in-charge.

Sd/-

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

**Signature & Seal
of Contractor**

**Executive Engineer (E)
Deendayal Port Authority**

SECTION IV FORMS OF BID

Part – I

To be submitted by Bidders with their Bids

NOS. OF FOMA T	NAME OF FORMS/FORMAT
1.	Form of application
2.	Pre-qualification of bidders
3.	Format for declaration
4.	Letter of authority for submission of bid
5.	Exceptions & Deviations
6.	Specimen EMD (Bank Guarantee Format)
7.	Bid security declaration form (For MSEs)

Part – II

To be used by successful Bidder

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

NOS. OF FORMA T	NAME OF FORMS/FORMAT
8.	Letter of Award
9.	Agreement form
10.	Specimen bank guarantee of Performance Guarantee / Security Deposit
11.	Letter of authority from bank for all BGs
12.	Format of Extensions (Part – I)
13.	Format of Extension (Part-II)
14.	Certificate to be issued by Third Party Agency on their Letter Head
15.	Certificate to be issued by Manufacturer on their letter head

SPECIMEN OF APPLICATION

(To be executed on bidder's letter head)

To

The Executive Engineer (E)

Deendayal Port Authority (Address

)

Pin Code: _____

Dist- Kutch (Gujarat)

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 **(EL/AC/2831)**

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

- (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.

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

(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 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)

Specimen format for Pre-qualification of bidders

The information to be filled in by the bidder in the following pages will be used for purposes of pre-qualification as provided for in the instructions to Tenderer.

1. Only for individual bidders

1.1 Constitution of legal status of Bidder (Attach copy)

- Place of registration:
- Principal place of business
- (power of attorney of signatory of Bid (Attach))

2. Turnover of the Firm

Description	Year	Turn over
(insert the year as per PQC)	2021-22	
i.e. last three financial years ending	2022-23	
31st march of the previous year	2023-24	

Attachment: financial reports for the last three years: balance sheet, profit and loss statements, auditor's reports (in case of companies/corporation) etc. List them below and attach copies.

Attested Copy of Annual Turnover during Last Three Year Ending on **March 24**.

3. Similar works

Particulars	Year	No. of Woks	Value
Total value of completed Similar work as defined in the tender document during last 07 years.	2017-18		
	2018-19		
	2019-20		
	2020-21		
	2021-22		
	2022-23		
	2023-24		

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

Attachments: Supporting documents, viz., Successful completion certificate from clients, other documentations to substantiate the similarity of work as per definition of "Similar Work". Employer reserves the right to verify the information:

4. Information on bid capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.

1. Existing commitments and on-going works.

Description of work	Place & State	Contract No. & Date	Name & Address of Port or Dept.	Value of Contract in Rs.	Stipulated Period of Completion	Value of remaining to be completed	Anticipated date of completion
1	2	3	4	5	6	7	8

2. Works for which bids already submitted

Description of work	Place & State	Name & Address of Port or Dept.	Value of Contract in Rs.	Stipulated Period of Completion	Date when decision is expected	Remarks if any
1	2	3	4	5	6	7

Attach attested certificates.

5. Information on litigation history in which the bidder is involved.

Other party (ies)	Port	Cause of dispute	Amount	Remark involved showing present status.

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

~~6. Additional information bidder may like to submit~~

Duly authorized to sign this authorization on behalf of: (insert complete name of Tenderer)

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

Form-3

SPECIMEN FORMAT FOR DECLARATION
--

(To be executed on bidder's Letter Head)

To. _____

(Project title)

Ref: _____

The undersigned, having studied the pre-qualification submission for the abovementioned 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

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

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) _____

SPECIMEN LETTER OF AUTHORITY FOR SUBMISSION OF

BID

(To be executed on Rs.300/- non Judicial Stamp Paper)

To

The

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:

For & on behalf of:

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

Form-5

EXCEPTIONS AND DEVIATIONS

As pointed out in the Tender Call Notice, Bidder 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

Note: however, the Bidders may note that unacceptable deviations, if any, the bid shall be liable for rejection. Bidder is discouraged to deviate from bid conditions, specifications, delivery schedules, and commercial terms as per the tender document.

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

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

Specimen EMD (Bank Guarantee Format)

[The Bank shall fill in this Bank Guarantee Form in association with the instructions indicated.

To be executed on Rs. 300/- non Judicial Stamp Paper]

(Bank's name and address of Issuing Branch or Office)

Beneficiary's Bank details area as under

Account No. 10316591671

IFSC Code : SBIN0060239

Beneficiary: (Name and Address of Employer/Board) The Board of Deendayal Port Authority

Date:

Tender Guarantee No.:

We have been informed that [name of the Tenderer] (hereinafter called "the Tenderer") has submitted to you its Tender dated (hereinafter called "the Tenderer") for the execution of [name of contract] under Invitation for Tenders No.[Number]. Furthermore, we understand that, according to your conditions, Tenders must be supported by an EMD.

At the request of the Tenderer, we [name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in figures] ([amount in words]) upon receipt by us your first demand in writing accompanied by a written statement stating that the Tenderer is in breach of its obligation(s) under the Tender conditions, because the Tenderer:

(a) Has withdrawn its Tender during the period of tender validity specified by the Tenderer in the Form of Tender; or

(b) Having been notified of the acceptance of its Tender by the Employer/Board during the period of Tender validity, (i) fails or refuses to execute the Form of Agreement, if required, or (ii) fails or refuses to furnish the performance guarantee, in accordance with the Instructions to Tenderers.

This guarantee will expire unless otherwise extended or informed by the Employer/ Board:

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

(a) If the Tenderer is the successful Tenderer, upon our receipt of copies of the contract signed by the Tenderer and the performance guarantee issued to you upon the instruction of the Tenderer; or

(b) If the Tenderer is not the successful Tenderer, upon the earlier of
(i) Our receipt of a copy of your notification to the Tenderer of the name of the successful Tenderer; or
(ii) Twenty-eight days after the expiration of the Tenderer's tender or any extended period thereof;

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

[Signature(s)]

[Authorization letter from the issuing bank that the signatory of this BG is authorized to do so should also be enclosed]

(Applicable for MSME's)

Form-7

FORMAT OF BID SECURITY DECLARATION FROM BIDDERS
(On Bidders Letter head)

Bid Security Declaration Form

Date: _____ Tender No. _____

To (insert complete name and address of the Employer/ Purchaser)

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 year 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 purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or 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)

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

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

Corporate Seal (where appropriate)

LETTER OF AWARD FORMAT

8

No: _____

Date: _____

To _____

(Name and Address of the Contractor)

Sub: Tender No. _____ (Name of Work)

Ref : Your bid dated _____ And _____ (list the
correspondence with the Bidder)

Dear Sirs,

With reference to your above offer and subsequent correspondences on the subject, we are pleased to inform you that your offer has been accepted by the competent authority and you are hereby requested to initiate actions for fulfilment of all necessary formalities, as indicated in the tender document for the above said work, at the earliest.

The Engineer-In-Charge for this work shall be Mr. _____.

Agreed Schedule date of commencement of the work is _____ and
Schedule date of completion of the work is _____. Total Contract Price is
Rs. _____.

You are requested to sign the Agreement and fulfil other formalities as per the Tender conditions.

Yours Faithfully,

(Signature of the controlling Officer) CHIEF

MECHANICAL ENGINEER DEENDAYAL PORT

AUTHORITY

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 agreement made of this _____ day of _____ Two Thousand between the Board of Deendayal Port Authority a body corporate under Major Port Authorities Act, 2021 having its Administration Office Building at Gandhidham(Kutch) (hereinafter called the 'Board' which expression shall unless excluded by or repugnant to the context, be deemed to include their successors in office) of the one part

and _____ (Name and address of all the partners if a partnership with all their address) hereinafter called the 'Contractor' which expression shall unless excluded by or repugnant to the context be deemed to include his / their heirs, executors, administration, representatives and assignees or successors in office of the other part.

WHEREAS the Board is desirous to carrying out the work of _____

_____ And whereas the Contractor has offered to execute and complete such work.

WHEREAS the Contractor has deposited the Performance security deposit @ 5% of contract price amounting to Rs. _____

_____. In following manner for the due fulfillment of all the conditions of the contract.

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

Rs. _____ paid in form of BG/FDR/Digital Transfer (to be submitted within 21 days of issue of LOI)

2) Balance amount of Rs. ___ to be

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

recovered from the work bills.

NOW THIS AGREEMENT WITHINNESS AS FOLLOWS:-

1. In this agreement words and expression shall have the same meaning as are respectively assigned to them in the general condition (including special conditions, if any) of contract hereinafter referred to.

2. The following documents shall be deemed to form and read as construed part of this agreement viz.:

i) Notice inviting tender.

ii) Technical specifications.

iii) Special conditions of contract.

iv) Tender submitted by the Contractor.

v) The Board's "Drawing".

vi) The schedule items of work with quantities and rates.

vii) Any correspondence made between the Superintendent Engineer (E) and the Contractor after opening of the cover-I—as regards to contain clarifications/details called for vice versa.

viii) Common terms and conditions offered to Contractor and their acceptance including confirmation to withdrawal of their own terms and conditions offered with the tender i.e 'Cover-I'.

ix) BG/FDR/Digital Transfer for security deposit.

3. The Contractor hereby covenants with the Board to complete the work of _____ in conformity in all respects , with the provisions of the contract.

4. The Board hereby covenants to pay the Contractor in consideration of such completion of the works, the contact price of Rs. _____ (Rupees _____ only) at the time and in the manner prescribed of the contract.

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

IN WITNESS WHERE of the parties here unto have set their hands and seals the day and year first above written signed and sealed by the Contractor in the presence of:-

Witness

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

1. Name & Address _____ Signature of Contractor

Seal

2. Name & Address _____

Seal

Signed, sealed and delivered by Shri _____ on behalf of the Board in presence of

1. _____

2. _____ (Chief Mechanical Engineer)

Deendayal Port Authority

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

1. _____ Secretary

Deendayal Port Authority

2. _____

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

Form-10

SPECIMEN BANK GURANTEE TOWARDS PERFORMANCE GUARANTEE/SECURITY DEPOSIT

(To be executed on Rs. 300/- non-judicial Stamp Paper)

TO,

The Board of Deendayal Port Authority,

A.O. Building, P.O. Box No.50,

Gandhidham-Kutch.

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 Lodgement of Government Promissory Loan Notes for the due fulfilment 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.

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

_____ (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) (Name of Branch), do hereby Undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the Board stating 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 contractors 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 forceable 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

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

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 [GANDHIDHAM] would have exclusive jurisdiction in respect of claims, if any, under this Guarantee.

8. We, Bank 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 upto _____; 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).”

(i) Name of Beneficiary’s Bank is State bank of india, Gandhidham.

(ii) IFSC No. of Beneficiary’s Bank is SBIN0060239.

(iii) Bank Account No. of Beneficiary is 10316591671. Date day of _____ 20

For (Name of Bank)

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

(Name) Signature

Form-11

SPECIMEN LETTER OF AUTHORITY FROM BANK FOR ALL BGs

(To be executed on Bank's Letter Head)

Date:

To,

The Board of Deendayal Port Authority,

Dear Sir,

Sub: Our Bank Guarantee No. _____ dated _____

_____ for Rs. favoring yourselves issued on a/c of M/s. _____

(Name of contractor).....

We confirm having issued the above mentioned guarantee favouring yourselves, issued on account of M/s. _____ validity for expiry upto 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.

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

Name of signature of Bank Officer

Deendayal Port Authority

Form of application by the Contractor for seeking extension of time

Part – 1

1. Name of Contractor
2. Name of work as given in the agreement
3. Agreement No.
4. Estimated amount put to tender
5. Date of commencement of work as per agreement
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Period for which extension of time has been given previously:
 - (a) 1st extension vide EE's No. Dated Month Days

 - (b) 2nd extension vide EE's No. Dated Month Days

 - (c) 3rd extension vide EE's No. Dated Month Days

 - (d) 4th extension vide EE's No. Dated Month Days

 - Total extension previously given.

9. Reasons for which extensions have been previously given (Copies of the previous application should be attached)
10. Period for which extension is applied for
11. Hindrance on account of which extension is applied for with dates on which hindrances occurred and the period for which these are likely to last.
 - a) Serial No.
 - b) Nature of hindrance
 - c) Date of Occurrence
 - d) Period for which it is likely to last
 - e) Period for which extension required for this particular hindrancef)

- Overlapping period if any, with reference to item.....
- g) Net extension applied for
- h) Remarks, if any.

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

Total period on account of hindrance mentioned above.....

Month.....Days

12. Extension of time required for extra work
13. Details of extra work and amount involved:
 - (a) Total value of extra work
 - (b) Proportionate period of extension of time based on estimated amount put to tender on account of extra work.
14. Total extension of time required for 11 & 12

Submitted to the Sub-Divisional Officer.....

Signature of Contractor

Dated

DEENDAYAL PORT AUTHORITY APPLICATION FOR EXTENSION

OF TIME

PART II

(To be filled in by the Sub-Divisional Office)

1. Date of receipt of application from Contractor for the work ofin the Sub-Divisional Office.
2. Acknowledgement issued by S.D.O. vide his No dated
3. Remarks of S.D.O.
(on the reasons given by the contractor are correct and what extension, if any, is recommended by him. If he has not recommended the extension, reasons for rejections should be given.)

Signature of Divisional Officer

Dated:

(To be filled in by the Executive Engineer)

1. Date of receipt in the Divisional Office.
2. Superintendent Engineer's remarks regarding hindrances mentioned by the Contractor.
 - (1) Serial No.
 - (2) Nature of hindrance
 - (3) Date of occurrence
 - (4) Period for which hindrance is likely to last
 - (5) Extension of time applied for by the contractor
 - (6) Overlapping period, if any, giving reference to items which overlap.
 - (7) Net period for which extension is recommended

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

(8) Remarks as to why the hindrance occurred

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

and justification for extension recommended.

3. Executive Engineer's recommendations:

(The present progress of the work should be stated and whether the work is likely to be completed by the date up to which extension has been applied for. If extension of time is not recommended, what compensation is proposed to be levied under clause 2 of the agreement?)

Signature of Executive Engineer Date

Dy. HOD/SE's recommendations

Signature of Dy. HOD Date

HOD's recommendations /approval.

Signature of Chief Mechanical Engineer

Date

(Applicable in case of Procurement of Equipment) (CERTIFICATE TO BE

ISSUED BY THIRD PARTY AGENCY ON THEIR LETTER

HEAD)

To,

M/s. Deendayal Port

Authority, Kandla (Kutch)

Gujarat, INDIA.

This is to certify that the (name of equipment) designed, manufactured and supplied to Deendayal Port Authority are conforming with the Quality Assurance and Standards as per proven design and Model No. / Drawings submitted by M/s

_____ in the Tender No. _____ of Deendayal Port Authority.

Signature & Seal of Authorized

Representative of Classification Society.

Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla

Form-15

(Applicable in case of Procurement of Equipment) (CERTIFICATE ISSUED

BY MANUFACTURER ON THEIR LETTER HEAD)

To,

M/s. Deendayal Port

Authority, Kandla (Kutch)

Gujarat, INDIA.

This is to certify that the proven design submitted with Bid conforms with all the standards and generic specifications of (name of equipment) given at Page No. of the Tender No. (insert tender no.) of Deendayal Port Authority.

Signature & Seal of Authorized

Representative of the Manufacturer

**PROFORMA OF POWER- OF-ATTORNEY FOR LEAD MEMBER OF JV/
CONSORTIUM**

(To be submitted on Non-judicial Stamp Paper of appropriate value)

By this Power-of-Attorney executed on thisday of (month) of 2025, we,

(i) (..... *Name of legally authorized signatory of first partner to be filled in.....*),

(ii) (..... *Name of legally authorized signatory of second partner to be filled in*

)..... hereby jointly authorize and agree the Lead Partner, M/s (..... Name of the lead partner to be filled in.....). (a) to submit bid, negotiate and conclude contract and

incur all liabilities therewith on behalf of the partner(s) of the JV /Consortium during the bidding process:

and (b) in the event of a successful bid. to incur liabilities and receive instructions for and on behalf of the

partner(s) of the JV /Consortium and to carry out the entire execution of the contract including payment

for the work of “Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at

DPA Kandla” through Lead Partner

(i) Signature Name

Designation seal &

Common seal of the firm

(ii) Signature Name

Designation seal &

Common seal of the firm

.....

.....

Signature, name and seal of the certifying authority/Notary Public

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

PROFORMA OF JOINT VENTURE/CONSORTIUM AGREEMENT

(To be submitted on Non-judicial Stamp Paper of appropriate value)

This Joint Venture /Consortium Agreement is made and entered into on this day of2025 by and between (i) M/s..... *(Name of the firm to be filled-in)* (ii)M/s..... *(Name of the firm to be filled-in)*

..... , primarily for the work under the Deendayal Port Authority

All the partners of the Joint Venture /Consortium hereinafter individually referred to as the parties and collectively as the Joint Venture/Consortium

1. Formation of Joint Venture/Consortium

1.1. (i)M/s..... *(Name of the firm to be filled in)* is engaged in *(Details of the works undertaken by the party)*

(ii)M/s..... *(Name of the firm to be filled in)* is engaged in*(Details of the works undertaken by the party)*

(iii)

1.2. On behalf of Board of Trustees of Deendayal Port (hereinafter referred to as –Employer), the Chief Mechanical Engineer, DEENDAYAL Port Authority has invited bids from the experienced, resourceful and bonafide Developers with proven technical and financial capabilities of executing the work “Shifting of 11KV Double Circuit SIPC Feeder, due to widening of the Road to 6 lanes at DPA Kandla”

1.3 The parties have been exploring together the ways and means of collaboration for the purpose of an offer to be made for the said project of the Deendayal Port Authority and have mutually agreed to enter into a Joint Venture/Consortium Agreement to submit a common bid for the project and to carry out the project works in the event of award of the contract, in association with each other and (..... *Name of Partner to be filled in.....*) shall be the Lead Partner and (i) (..... *Name of Partner to be filled in*), (ii) (..... *Name of Partner to be filled in.....*)..... shall be the other partner(s).

NOW THEREFORE IT HAS BEEN AGREED TO BETWEEN THE PARTIES ASFOLLOWS

1.4. The Joint Venture/Consortium will be known as...(.....*Name of JV to be filled in*) and shall consist of (i) (*Name of the firm to be filled in.....*), (ii) (.....*Name of the firm to be filled-in*).

parties to the present agreement

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

1.5. The recitals are true and correct and form an integral part of this agreement and are representations of the parties to which they relate and have been relied upon by the parties to enter into the present agreement

1.6. Notwithstanding the date of signature of this agreement, its effective date will be the date of submission of bid.

1.7. All costs incurred by the parties before the date of award of contract will be borne by the parties concerned. All costs in implementation of this Joint-Venture/Consortium Agreement after award of contract till the expiry of this agreement will be borne by the parties as herein after provided.

1.8. The Joint Venture/Consortium will be dissolved and this agreement will cease to have effect on completion of this project, maintenance and fulfilment of all other conditions under the contract, upon receipt of payment of all amounts from the Employer and on settlement of accounts between the parties as hereinafter provided.

1.9. The contract, if awarded by the Employer, Letter of Acceptance shall be issued in the name of (*...Name of JV/Consortium to be filled in ..*) and the Contract shall be signed by legally authorized signatories of all the parties.

1.10. All the parties of the JV/Consortium shall be jointly and severally liable during the bidding process and the bid document shall be signed by legally authorized signatory of all the parties.

1.11. The financial contribution of each partner to the JV/Consortium operation shall be:

(i) M/s.....(*Name of the partner to be filled-in*) -

(ii) M/s..... (*Name of the partner to be filled-in*) -

(iii)

1.12. All the parties of the JV/Consortium shall be jointly and severally liable for the execution of the project in accordance with the Contract terms, in the event of award of contract. The delineation of duties, responsibilities and scope of work shall be:

a) The Lead Partner shall provide suitable experienced personnel at site, for general planning, site management and equipment operations, during entire period of contract execution.

b) (*....Name of Partner to be filled-in...*) shall carry out the following works.....

c) (*.....Name of Partner to be filled-in.*) shall carry out the following works

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

d)

1.13. The parties hereto agreed that each of them shall duly and properly perform all the functions and all costs related to their respective works.

1.14. The parties hereto shall be at liberty to enter into liaison work/correspondence with statutory and local authorities as the circumstances warrant individually or collectively.

1.15 It is hereby agreed and undertaken that all the parties are jointly and severally liable to the -Board of Port of Deendayal for the performance of the contract.

1.16. Notwithstanding demarcation or allotment of work between JV/Consortium partners, JV/Consortium each partner shall be liable for non performance of the whole contract irrespective of their demarcation or share of work.

1.17 The Lead Partner shall be authorized to act on behalf of the JV/Consortium.

1.18. All the correspondences between the Employer and the JV /Consortium shall be routed through the Lead Partner.

1.19. The Lead Partner is authorized: (a) to submit bid, negotiate and conclude contract and incur all liabilities therewith on behalf of the partner(s) of the JV /Consortium during the bidding process, and (b) in the event of a successful bid, to incur liabilities and receive instructions for and on behalf of the partner(s)of the JV/Consortium and to carry out the entire execution of the contract including payment, exclusively through Lead Partner.

1.20. In the event of default of the Lead Partner, it shall be construed as default of the Developer/Contractor; and Employer shall be entitled to take action under relevant clause(s) of the Department Bid Document and/or Conditions of Contract.

1.21. All the parties of the JV/Consortium shall be jointly and severally liable for due performance, recourse/sanctions within the joint venture in the event of default of any partner and arrangements for providing the required indemnities.

1.22. The JV/ Consortium shall have a separate JV/Consortium Bank account (distinct from the Bank account of the individual partners) to which individual partners shall contribute their share capital / or working capital. The financial obligation of the consortium shall be discharged through the said JV/ Consortium Bank account only and also all payment received by consortium from the Deendayal Port Authority shall be through that account only.

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

The parties hereto have mutually agreed to the terms and conditions set forth hereinabove and have assured each other to duly perform the reciprocal promises and obligations on either side for effective implementation of the JV/Consortium for proper and due completion of the works envisaged, in the event of award of contract to the JV/Consortium and have affixed their signature in this indenture on this the..... day of.....20...

(i) Signature Name

Designation seal &
Common seal of the firm

(ii) Signature Name

Designation seal &
Common seal of the firm

Witness 1

Witness 2

SECTION V

SCOPE OF WORK & TECHNICAL SPECIFICATIONS

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

The scope of work envisages the following. The New Line is to be erected Parallel to New Proposed Road, the area is Marshy land, thereby Reclamation as per site situation, is to be done for complete line, prior to erection of 11KV overhead line, check survey etc. are to be conducted, thereafter two parallel new lines are to be erected with complete materials. The above work is to be done under Engineer-in-charge. After completion of line work Electrical Inspector's visit is to be arranged by Contractor, even liasoning work is in the scope of contractor, however the fees will be borne by DPA, and same should be energized safely. The sag, spans and line erection/installation guidelines must be maintained as per PGVCL norms. If any live 11kv line is crossing on the way, same is to be attended by contractor in terms of liasoning with PGVCL, for fruitful result, the approximate length of line is 4.5Km (Dual line). Whereas in some region single line will run as per site requirement, for execution of above work all tools & tackels, Machinery i.e. DG Set, Excavator, Rollers, Tractors etc. are to be arranged by Contractor. After completion of site work contractor has to clean the site in neat & tidy way.

TECHNICAL SPECIFICATION FOR PART-A

Technical Specification No.1:

Supply, Installation, Testing and commissioning of 11KV overhead line with 100mm² DOG AAAC Conductor with RSJ 9mtr pole having 23kg/m weight (Approximate span of 30m)

Supply, Installation, testing and commissioning of 11kv line with 100 mm² AAAC conductor(Dog) with RSJ 9mtr pole having 23kg/m weight (approximate span-30 mtr). This includes supply at site & stringing of stranded AAAC conductor code name DOG of size 100sqmm as per Indian Standard Title International Standard IS:398 (Part-IV) Aluminium Alloy IEC : 208-1966 stranded conductor BS-3242-1970 IS : 9997-1988 Aluminium Alloy Redraw Rods IEC 104-1987 IS : 1778-1980 Reels and Drums for bare conductors BS:1559-1949 in a minimum length of 2000meters length in wooden drum, the conductor manufacturing batch shall be of 2024-25 or latest and same shall be submitted along with necessary documents & same is to be string on HT pin and strain insulators, binding on insulators, jumpering, the jointing in HT line will be done by twisting sleeve joints as per standard practice. Care must be taken in handling the conductor to protect against cuts, scratches or kinks. The conductor must not be drawn over hard surface ground, where it is liable to be damaged. AAAC conductors must be drawn on wooden or aluminium pulley only. Wastage and

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

cutting should be avoided as far as possible.

Not more than 2% sag will be accepted in the materials account. The sag and spans and line erection/installation guidelines must be maintained as per PGVCL norms. Any 11kV line crossing on the way while installation is also in the scope of the contractor and has to be executed as per the standard practice/norms of PGVCL with necessary accessories. This also includes painting with two coat of metal epoxy primer and three coat of epoxy grey paint, thereafter numbering the poles in 100mm round dia. This also includes planting the pole to 1/6th height in the ground with proper application of rubberized paint & strengthening with cement concrete and above ground level muffing is to be done. The quality of cement concrete and muffing method shall be as per Technical Specification no.1 of this document. The muffing type and method may be done as per the site requirement as per the instructions of Engineer-in- Charge in the case of special requirements as per the site.

The cross arms insulators must be so fixed that neither tilt nor bend from position. The rate quoted should be for three conductors along the route length kilometer as per Annexure-I Bill of Quantities. The sagging should be uniform for all conductors and uneven sagging will not be allowed. The ground clearance and line to line clearances, etc. have to be maintained as per latest IE Rules.

The land is soft, muddy type marshy land where poles are to be erected after excavation for erection of poles, a PCC carpet of 50mm thick shall be provided at the bottom and cured before erection of poles.

The vegetation below/parallel to the line shall be removed by the contractor. The contractor shall prepare the drawing of the line work (5 copies) and shall submit all the required documents which are required for getting clearance from CEA. However, the submission, uploading of documents and payment of statutory charges are in the scope of DPA.

The below table indicates tentative (but not limited) items to be used for 1km of 11kV line for reference:

SR	PARTICULARS (for per km route length)	UNIT	QTY
1	9 MTR RSJ POLE (minimum 116mmX100mm)23kg/m	NO.	35.00
2	11KV V CROSS ARM. (From Angle of 65X65X6) MS with Hot Dip Galvanization	NO.	35.00

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

3	Side clamp (65x65X6 MS Angle With Hot Dip Galvanization)	NO.	70.00
4	HT TOP fittings (angle from 65x65X6 M.S -150MM) with Hot Dip Galvanization	NO.	35.00
5	(a) Anchor rod	NO.	4.00
6	(b) Turn buckle -	NO.	4.00
7	(c) Eye Bolt -(16mmX590 mm Round Bar).	NO.	4.00
8	(d) Stay wire- 7/12	KG	13.60
9	(e) HT Guy Insulator -	NO.	4.00
10	(f) Guy Clamp -	SET	5.00
11	(a) GI Wire No. 8 From Pole Top to Earthing Coil	KG	48.00
12	(b) Rigid PVC Pipe -20mm dia (1.5 Mtr) -	NO.	35.00
13	(c) Earthing Bolt	NO	35.00
14	(d) Earthing Coil (GI Wire No 8)	NO	35.00
15	Barbed wire	Mtr.	35.00
16	CAUTION & DANGER BOARD.	NO.	35.00
17	(a)22 KV Pin Insulator	No	105.00
18	(b) 22 KV GI Pin	No	105.00
19	(a) 11 KV Ball & Socket Type Comp(Polymer) Insulator(Long Rod)	NO.	24.00
20	(b) 11 KV Disc. Hardware with Hot Dip Galvanization	Set	24.00
21	AL.ALLOY CONDUCTOR 100 MM2 SIZE.	KM.	3.09
22	(a) M.S. Bolts & Nuts 65x16mm with Hot Dip Galvanization	KG	1.60
23	(b) M.S. Bolts & Nuts 180x16mm with Hot Dip Galvanization	KG	35.60
24	(b) P.G. Clamp for 'DOG' Connectors 100 sq.mm	No	12.00
25	(c) Alu. Binding wire	KG	0.90
26	(d) HT Tape	Mtr	08.00

Note: Above table is just for reference and summarizes minimum requirement of materials for the 1km Route length. Actual quantity may be envisaged for total route length as per Annexure-I Bill of Quantities using reference the above table. Any item

with MS has to be Hot Dip Galvanized.

Technical Specification No. 2:

Supply, Installation, Testing and commissioning of 11KV overhead line with 100mm² AAAC Conductor with RSJ 11mtr pole (Approximate span of 30m)

Supply, Installation, testing and commissioning of 11kv line with 100 mm² AAAC conductor (Dog) with RSJ 11mtr pole having 23kg/m weight (approximate span-30 mtr at road crossing). The above pole is to be erected at road crossing which can provide max height with stay sets, C-channels, Clamps etc. for mechanical stability. This includes muffing etc at site. stringing of stranded AAAC conductor code name DOG of size 100sqmm as per Indian Standard Title International Standard IS:398 (Part-IV) Aluminum Alloy IEC: 208-1966 stranded conductor BS-3242-1970 IS: 9997-1988. This also includes painting with two coat of metal epoxy primer and three coat of epoxy grey paint, thereafter numbering the poles in 100mm round dia & as per standard practice GETCO/PGVCL.

Technical Specification No. 3:

Supply, Installation, Testing and commissioning of Cement Concreting of 1:2:4 ratio mixtures for Poles / Guys including CC for Poles and Guys as per site requirement.

The work includes concreting with one part of cement, two parts of specified quality sand and four parts of grit (1:2:4) the required grade of sand, cement, grit for CC should be approve by Civil Department, DPA. The mixture should be prepared on GI sheet and should be free from the dust. Cement river sand and metal should be used by contractor at his own cost. Concrete for muffing of poles and stay rods should be cement one part, sand two parts and four parts of Metal (1:2:4). Cement, sand and metal will be supervise from the Civil Department, DPA and work execution will also be in their scope regarding cement concrete. The concrete shall be used in above proportion and should be thoroughly mixed at least three times in dry state before potable water is added and as far possible a fairly wet mixture must be used after which vibrator is to be insert in wet concrete for setting of CC. All concrete must be mixed on watertight platform. In any case, the work finishing coat of cement plaster should be applied on outer surface of the smooth.

One finishing coat of cement plaster should be applied on outer surface of the muffing. The concrete block, when slightly dried, should be kept wet continuously for period of 10 days. If the concreting work is not found as per the specifications

and quality, the same is liable to be rejected. The cement concreting work and muffing has to be done in the presence of Civil Engineering Department, DPA representative only and work done in his absence will be rejected and no payment made thereof. The cement, sand, metal grit shall be procured by the contractor prior to approval of Civil Engineering Department, DPA. The normal size of concreting/muffing of pole will be minimum 2m height x 1m dia per pole and size of concreting/muffing for stay will be minimum 1.2mx0.6mx0.6m or as directed by Civil Engineering Department, DPA. The concreting of poles, Double pole structures and guys is included in this work.

Technical Specification No. 4:

supply, installation of additional stay set for 9mtr/11 mtr RSJ pole. Work comprises of anchor rod, turn buckle, eye bolt etc.

The work includes the supply, installation of additional stay set for 9mtr/11mtr RSJ pole. Work comprises of anchor rod, turn buckle, eye bolt and excavation of suitable pit 4' deep, fixing of stay clamp on pole, binding of GI stay wire. These additional guy sets are over and above the guys sets that are already included as a part of items under Annexure-I Bill of Quantities item no.1 as per Technical Specification no.1 and item no.4 as per Technical Specification no.4. The location of these additional guy sets will be decided as per the site conditions as per the decision of Engineer-in-Charge Deendayal Port Authority.

The stay insulators must be inserted in the stay wire on all stays as per standard practice of PGVCL/GETCO. The wrapping of the Guy wire strands at both ends. The stay insulator must be in proper appearance as per standard practice with good workmanship. The stay should be tension and straight to withstand in cyclone or storm of 200 Kmph, the item includes refilling by cement concrete mix of ratio 1:2:4 as per standard practice.

If stays are not required to be concreted, second option is a pre casted cement concrete block may be made by contractor will have to transport at his own cost to the site of work and will have to use for fixing of anchor rod at site. The work includes all material and labour and to the entire satisfaction of Engineer-in-charge.

The below table indicates tentative items to be used per pole for supply, installation of addition stay set of 11kv line as per PGVCL norms:

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

SR	PARTICULARS	UNIT	QTY
1	(a) Anchor rod - 1 No.	NO.	2.00
2	(b) Turn buckle - 1 No.	NO.	2.00
3	(c) Eye Bolt - 1No (16mmX590 mm Round Bar).	NO.	2.00
4	(d) Stay wire- 7/12	KG	6.80
5	(e) HT Guy Insulator - 1 No.	NO.	2.00
6	(f) Guy Clamp - 1 Set.	SET	2.00

Note: Above table is just for reference and summarizes minimum requirement of materials for the one guy set. Actual quantity may be envisaged as per Annexure-I Bill of Quantities using reference the above table. Any item with MS has to be Hot Dip Galvanized.

Technical Specification No. 5:

Supply and Installation, Testing and commissioning of DP Structure with 11KV AB Switch & D O Fuse on (9/11mtr RSJ POLE)

The work involves Supply, Installation, Testing and commissioning of DP structure with, 12KV A.B. Switch, vertical mounting, 3 pole, 50HZ, 400Amp Rated Short Time Withstand Current for one second 16Ka rms, Rated Peak Withstand Current 40Ka peak for one second and as per IEC 61109 or latest amended up to date along with its operating pipe with handle with polymer insulators of 22KV, H.G Fuse on 9/11 MTR RSJ POLE hot dipped all accessories of pole. The Double pole structures have to be firmly installed on the site and also includes painting with two coat of metal epoxy primer and three coat of epoxy grey paint. Double pole structure should be solidly earthed from two points with individual earthing and a 'Danger' sign board should be provided on the Double Pole structure and anticlimbing device as instructed by Engineer in Charge. Apart from same MS fencing angle fencing duly grouted in ground with PCC along with iron mesh having door opening for DP structure is also to be provided of size 4mtr x 4mtr x 2mtr height for safety purpose with epoxy painting to complete structure.

The below table shows tentative items (but not limited) to be used for this work. The same may be used for reference. However, the bidder is suggested to visit the site for ascertaining actual requirement of items.

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

SR.	PARTICULARS (For One DOUBLE POLE STRUCTURE WITH 11 KV A.B.SWITCH & DO FUSE ON 9/11 MTR RSJ POLE)	UNIT	QTY
1	9/11 MTR RSJ POLE (minimum 116mmX100mm) ,23kg/m	NO.	2
2	M.S. Angle Top FABRI.65x65x6mm - 2750mm MS with Hot Dip Galvanization	NO.	2
3	M.S. Angle 11 KV A.B. Switch - Fabri 65x65x6mm- 2750mm	NO.	4
4	M.S. Angle Fabri. 65x65x6mm - 2750mm for cross bracing	NO.	4
5	11 KV A.B. SWITCH 400 AMP.	SET	1
6	Side Clamps for mounting A.B Switch (M.S Flat of size 50X6)	NO.	16
7	(a) Anchor rod	NO.	4
8	(b) Turn buckle -	NO.	4
9	(c) Eye Bolt (16mmX590 mm Round Bar)	NO.	4
10	(d) Stay wire- 7/12	KG	11.2
11	(e) HT Guy Insulator -	NO.	4
12	(f) Guy Clamp -	SET	4
13	(a) GI Wire No. 8 From Pole Top to Earthing Coil	KG	2.32
14	(b) Rigid PVC Pipe -20mm dia (1.5 Mtr) -	NO.	2
15	(c) Earthing Bolt	NO.	2
16	(d) Earthing Coil (GI Wire No 8)	NO.	2
17	(a) 11 KV Porcelain Disc Insulator	NO.	12
18	(b) 11KV Disc. Hardware	SET	6
19	11 KV COMPOSITE POLYMERIC D O FUSE	NO.	3
20	(a) M.S.Bolts & Nuts 65x16mm	KG	7.2
21	(b) M.S.Bolts & Nuts 180x16mm	KG	2.49
22	(c) P.G.Clamp for 'Dog' Conductor	NO.	9
23	(d) Binding tape HT for jumpering	MTR	20

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

24	(e) Alu. Binding wire	KG	0.5
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Note: Above table is just for reference and summarizes minimum requirement of materials for one DP structure with 11KV A.B. Switch & D.O. Fuse on 9/11 MTR RSJ poles. Actual quantity may be envisaged for as per Annexure-I Bill of Quantities using reference the above table. Any item with MS has to be Hot Dip Galvanized.

Technical Specification No. 6:

This includes supply at site 11KV grade, 3 core x 300 sq.mm Aluminium conductor, XLPE(E) insulated armoured cable conforming to IS: 7098 (Part-II) 1985 with up to date amendments and of approved make with ISI mark. The manufacturer shall produce TYPE TEST certificate with similar size of cable, which shall not be more than 3 years old. The cable shall have marking/embossing at the interval of every meter showing its progressive length. During the cable inspection, the manufacturer shall show the relevant ROUTINE TESTS to inspecting authority or otherwise the manufacturer shall produce the routine test certificate during supply of cable at site. The rate shall inclusive of all taxes, excise duty, packing, forwarding, insurance, transportation and unloading at site of work etc.

The insulation shall withstand mechanical and thermal stress under steady state and transient operating conditions. The extrusion method should give very smooth interface between semi-conducting screen and insulation. The insulation of the cable shall be of high standard quality generally conforming to IS: 7098 (Part

Cable Parameters :

			<u>11 KV</u>
(i)	Voltage grade (U ₀ / U)	KV	: 6.35 / 11
(ii)	Cores (Nos)		: 3
(iii)	Nominal system voltage	KV	: 11
(iv)	Highest system voltage	KV	: 12
(v)	System frequency	Hz	: 50
(vi)	Variation in frequency	%	: ± 3
(vii)	(a) Maximum allowable temp. of conductor during continuous normal operation at rated full load current.	°C	: 90
	(b) Maximum allowable temp. under short circuit condition	°C	: 250
(viii)	1.2/50 microsecond lightning impulse withstand voltage wave value.	KVp	: 75
(ix)	5 Min, Power frequency withstand voltage	KV rms	: 17
(x)	System earthing		Effectively Earthed

– II) – 1985 and any latest amendment to it.

The purchaser reserves the right to ask for documentary evidence of the purchase of various materials, (to be used for the manufacture of cable) as per checking of quality control. Quality Assurance plans shall be submitted.

The bidder shall have to submit, well in advance, the test certificates for the

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

following routine test for approval prior to inspection of the materials for the complete lot offered for inspection at a time. (a) Conductor resistance test (b) Partial discharge test (c) High-voltage test for 5 minutes [as per Clause 19.7.2

of IS: 7098 (Part-II) – 1985].

Technical Specification No. 7:

Laying of Double circuit (three parallel cables) 3CX300 Sq.mm XLPE(E) Cable through Hard/Soft Soil Excavation and laying through separate Half Round Pipe (2 Nos.) 6" inner Diameter and 1 Meter length. The work includes laying of 3Cx300 sq.mm underground cable. For any length of cable that extends beyond the standard drum length of the cable, such extension has to be done with proper cable joining kits and techniques as per latest IE standards with excellent workmanship. All the cable ends that terminate at pole structures should be brought out from the ground only in HDPE pipes of appropriate size carrying single individual cable inside each HDPE pipe. The cable end should be terminated as per standard practice as per IE rules with best workmanship. Tagging of the cables with precise nomenclature is mandatory.

This includes laying of double circuit 3 core x 300Sq.mm HT armoured aluminium Conductor XLPE(E) Cable of 11KV Grade (excluding supply of cable) through excavation of trench 0.75-meter-wide and 1-meter-deep in soft/hard soil. Each cable should be placed inside RCC Half Round Pipe of 6" inner Dia and 1 Meter length and such RCC Half Round Pipes must be placed in such a fashion so as to provide support under the cable with one half and covering over the cable with the other half. The same trench would be used to place two circuits & one spare (cables) side by side in horizontal fashion and these cables would run through three RCC pipes individually. The minimum distance between such RCC pipes throughout the route length should be 0.3m.

The bed of 50mm of river sand shall be provided in the bottom of the excavated trench. The RCC Pipe shall be laid/cover by river sand. This includes filling of gaps by fresh river sand and filling the trench up to at least 400mm height from bottom by fresh river sand. The remaining filling of the trench shall be done with the excavated stuff & should be watered and rammed properly to its original position. The excess excavated stuff shall be disposed off from the Site of work and spread in low lying areas as directed by Engineer in Charge or his nominee. The contractor shall provide heat shrinkable straight through joints of relevant size of approved make if the laying of cable shall be more than standard drum length. This includes all labour and material as directed by Engineer-in-

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Charge. Such cable joints shall be under the scope of work of the contractor at no extra cost or obligation from DPA. Such cable joining work is completely to be done by the contractor at his own cost. Measurement will be considered as single length only.

Cable laying, shall include the route marker, cable tagging, dressing, removing the old unused cable if any, appropriate size of glands & ferrule work as per requirement.

Technical Specification No.8:

Laying of Double circuit (three parallel cables) 3CX300 Sq.mm XLPE(E) Cable through RCC Road/Road/Rail Crossing by through HDD method and by Putting Suitable HDPE pipe(110mm inner dia.,PE – 100 Pipe, IS – 4984) in between Crossing.

This includes Laying 3 core x 300 Sq.mm 11kV XLPE cable by putting suitable diameter HDPE pipe, through road/Rail/RCC crossing at a depth of minimum 1.5 meters from Ground level and gradually the depth will be reduced at both sides finally it will come to 1 meter from ground level. If the Road/RCC crossing length more than length of HDPE coil pipe can be used of suitable size, so that pushing and pulling of cable within such pipes is unaffected and fuss free & then lay across the Rail/Road crossing. Single cable shall be passed through one pipe and after crossing of three length of cable, measurement will be considered as single length only, the excavated stuff shall be disposed off from the Site of work and spread in low laying area.

In case of Rail Crossing, firm shall put earthing across rail track, both end, their own cost as per IE rule & act. The HDPE pipe should be laid using Horizontal Boring using Horizontal auguring machine for all the Road/Railway/RCC crossings.

Cable lying, which shall include the route marker, cable tagging, dressing, removing the old unused cable from the route, appropriate size of glands & ferrule work as per requirement etc.

Technical Specification No.9:

Supply, fixing and testing of Outdoor Cable Termination kit for 11kV 300sqmm XLPE Cable.

This includes supply of heat shrink outdoor end Termination kit on HT (11 KV) 3CX300 Sq.mm (E) cable the rate shall be inclusive of all taxes, including transportation loading & unloading at site, the jointing kit shall be of fresh batch of 2024-25 for both end for all three phases.

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HT Joint shall be carried out precisely on cable. This work includes all labour and material as directed by Engineer-in-Charge. The Heat Shrinkable Outdoor Termination offered shall be complete with all parts necessary for their effective and trouble-free operation. The Heat Shrinkable Outdoor Termination offered shall conform to the relevant standards and be of high quality, sturdy, robust and of good design and workmanship complete in all respects and capable to perform continuous and satisfactory operations in the actual service conditions at site and shall have sufficiently long life in service as per statutory requirements. The Heat Shrinkable Outdoor Termination offered

The outdoor cable termination is to be mandatorily used for 11kV 300 sqmm XLPE cables termination. The cable termination at pole structures should be done with HDPE pipe of suitable diameter and as per standard practice of PGVCL. Each such HDPE pipe should contain only one cable.

Technical Specification No. 10:

Supply, fixing and testing of Straight Joint Cable Termination kit for 11KV 300sqmm XLPE Cable.

This includes supply of heat shrink straight through Termination kit on HT (11 KV) 3CX300 Sq.mm (E) cable the rate shall be inclusive of all taxes, including transportation loading & unloading at site the jointing kit shall be of fresh batch of 2024-25, making outdoor straight joint Termination kit on HT (11 KV) 3CX300Sq.mm (E) cable, HT Joint shall be carried out precisely with good workmanship work includes all labour and material as directed by Engineer-in-Charge. The Heat Shrinkable Straight Joint Termination offered shall be complete with all parts necessary for their effective and trouble-free operation. The Heat Shrinkable Outdoor Termination offered shall conform to the relevant standards and be of high quality, sturdy, robust and of good design and workmanship complete in all respects and capable to perform continuous and satisfactory operations in the actual service conditions at site and shall have sufficiently long life in service as per statutory requirements.

The Straight joint cable termination is to be mandatorily used for 11kV 300 sqmm XLPE cables termination. The cable termination at pole structures should be done with HDPE pipe of suitable diameter with proper clamping and as per standard practice of PGVCL.

Technical Specification No. 11:

Supply and installation of Earthing coils at each end of the cable individually.

The work includes supply and installation of Earthing coils at each end of the cable individually for each cable. Earthing coils shall be of soft GI Wire Hot Dip

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Galvanized. The Hot Dip galvanized wire shall have clean surface and shall be free from paint enamel or any other poor conducting material. The coil shall be made as per REC constructions standard. The Hot Dip galvanizing shall conform to IS: 2629/1966, 2633/1972 and 4826/1969 with latest amendments.

DIMENSIONAL REQUIREMENT: -

Nominal dia. of GI Wire – 4 mm (Tolerance +/- 2.5%)

Minimum no. of turns – 115 Nos.

External dia of Coil (Min) – 50 mm

Length of Coil (Min) – 460 mm

Free length of GI Wire at one end coil (Min.) – 2500 mm

The turns should be closely bound. Weight of one finished Earthing Coils (min.) – 1.850 Kg.

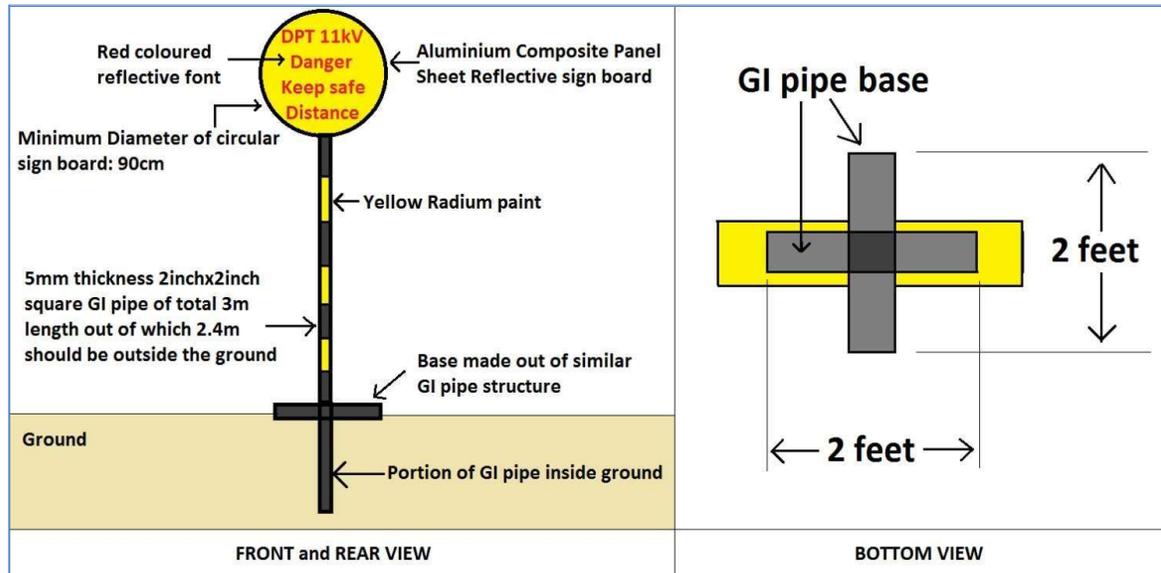
Technical Specification No.12 :

Supply and Installation of Reflective Signboard as per description:

This includes supply and installation of reflective sign boards at various locations as directed by Engineer-in-charge. The reflective sign boards have to be made out of Aluminium composite panel sheet with at least 3mm thickness and circular shape with minimum 90cm diameter of the circular sign board with reflective yellow coloured background and reflective red coloured bold fonts that are legible at least from a distance of 10meter. The reflective sign boards should be mounted on square GI pipes of minimum thickness 3mm and minimum length 3meter. Out of 3meter length of the GI pipe, 2.4meter should be above the ground level post installation and rest have to be grounded firmly. The base of the GI pipe should also be made with the similar GI pipe and the 'X' base formed should be welded properly with the main pole GI pipe using appropriate welding rods for GI pipe welding. Improper workmanship or fit and finish is liable to be rejected and is at the sole discretion of Engineer-in-charge.

The GI pipe should be painted with double coats of anti-corrosive paint and later with black colour and reflective yellow colour alternatively as referred to in the below figure.

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The installation of GI pipe should be perfectly vertical so as to make the sign board perfectly erect without any tilt and all the sign boards should be meticulously installed at almost the same height. The GI pipe base should be affirmed by muffling the base with 2.5feetx2.5feetx2feet concreting of the ratio 1:2:4 of Cement : sand : metal. The concreted structure has to be painted with waterproofing coating twice and later with two layers of yellow coloured radium paint and black paint in form of strips. Please note that the concrete structure is not shown in the above figure but has to be compulsorily installed for all the sign board GI pipes without fail. The above figure is indicative and can be used for reference for better understanding of the requirements. The land is soft, muddy type marshy land hence a PCC carpet of 50mm thick shall be provided at the bottom and cured before erection of GI pipes of sign boards wherever necessary as directed by Engineer-in-charge.

Technical Specification No.13:

Guarding assembly for 1km under 11kV Overhead line with approximate pole span 30m or as per site requirement in piecemeal. This work includes the supply, installation, testing and commissioning of Guarding Assembly especially at road crossing etc, as per site requirement at various locations under 11kV Overhead line using as per the standards adopted practice by PGVCL complete with labour & materials and as per the directions of Engineer-in-Charge.

Technical Specification No.14:

Reclamation of land and approach are for erection of Tension pole, guys and concreting etc. at Various Tension Pole as directed & certified by the Civil Engineering Department, DPA.

Reclamation of land in which construction of granular sub-base by providing, laying,

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spreading and compacting CLOSE/COARSE GRADED MATERIAL spreading in uniform layers with motor grader on prepared surface and compacting with power vibratory roller of require type and capacity to achieve the desired density including all labour, watering, material, machinery, lighting, guarding, barricading complete as directed. (Mix in place method) With material conforming to Grade-1 (size range 75mm to 0.075mm) having CBR Value-30 complete with labour & materials and to entire satisfaction of Engineer in charge.

Technical Specification No.15:

Energizing of 11KV new HT line complete with TESTING and Commissioning with existing LINE including Electrical Inspectors approval after completion of 11KV Line Erection, for energizing of 11KV new HT line complete with TESTING and Commissioning with existing LINE which include Electrical Inspectors approval, which is require to obtain from District Electrical Inspector/CEA. Contractor has to complete the complete formalities for inspection of newly erected installation, inspection and commissioning activity includes permission to energize the line its liasoning work is to be paid by contractor, while DPA will pay its statutory fees. Complete work is in the scope of contractor.

Technical Specification No.16:

The work includes numbering to New erected 11KV New line and Existing 11KV Line Pole Numbering with epoxy paint, sequence for 11KV Feeder, New Pole Numbering in 11KV DC1 and DC 2 Feeder, is to be done by contractor in proper way of minimum 100 mm dia, with complete labour & materials and old number is to be erased properly.

Technical Specification No.17:

Supply, Installation, Testing and Commissioning of 500kVA 11/0.43kV as per latest IS, Outdoor Type Compact Substation(Pre-Fabricated) with HT Panel, Transformer, LT Panel, Protection and Metering Device, etc. and other relevant accessories in a suitable enclosure with IP54 Supply, Installation, Testing and Commissioning of Outdoor Type Foundation Mounted Compact Substation of 11kV/415 Volts, equipped with 500kVA Oil immersed Transformer, 630A at 11KV with one SF6 Circuit Breaker for the primary side controls & with 800A Air Circuit Breaker as secondary side control., This also include 2nos of neutral earthing of copper & 2nos of body earthing of GI. The components shall be enclosed, by either common enclosure or by an assembly of enclosure. All the components shall comply with their relevant IS/IEC standards Protection with Metering Device. This includes all labour and material as directed by Engineer-in- Charge.

The Outdoor Package:

- Single integrated metal housing, comprising three

compartments accommodating:

- HV switchgear (Protection degree of this compartment: IP65)
- Transformer (Protection degree of this compartment: IP65)
- LV switchgear (Protection degree of this compartment: IP65)

Enclosure of Compact Substation:

- The Outdoor enclosure of compact Substation shall be fabricated from Hot Dip Galvanized sheet steel 2mm thick build on heavy channel skid frame tropicalized to local weather conditions & saline atmosphere.
- Four nos. of Lifting lugs to be provided on top to enable lifting total package unit without any problem for site handling / lifting by crane. The metal base shall ensure rigidly for easy transport and installation to withstand the weight of the Transformer, MV & LV component.
- Ventilation openings shall be so arranged or shielded that same degree of specified for enclosure is obtained to reduce the equipment ambient temperature and prevent heating through the roof due to sun radiation the roof is to be made of double layer with foam insulation in between.
- The roof of the CSS should be Removable canopy type made from 2 mm thick Galvanized sheet metal with 10-degree Slope.
- Separation between RMU & transformer compartment and Separation between Transformer compartment & L.V compartment should be made from 2mm thick G.I sheet steel.
- The covers and door are the part of the enclosures when they are closed they shall provide the degree of the protection specified for the enclosure. All cover, doors or roof shall be provided with locking facility. The doors shall open outward at an angle of at least 90 degree and to be equipped with advisable to maintain them in an open position.
- Gland plate for RMU compartment should be made from 3mm thick S.S plate suitable for 3C x 300 Sq.mm XLPE cable 2 no's. The gland pate should be Split type.
- Gland Plate for LV Compartment should be made from 3mm thick S.S plate suitable for 4 nos. outgoing cable. The gland pate should be Split type
- The space between Transformer, MV component and LT component shall be provided in accordance with latest IEC recommendations standard.
- The enclosure shall be made in such a way that the above components shall be accommodated and the accommodation of components shall be maintained as per IEC recommendation. The enclosure shall be tested by OEM as per Type Test and the relevant documents be submitted. This includes all labour and material as directed by Engineer-in-Charge.

- **HV Switchgear/TRANSFORMER CIRCUIT BREAKER:**

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a)	Type	Three pole operated simultaneously by a common shaft.
b)	No of phase	3
c)	Arc interruption in dielectric medium	SF-6
d)	Type of Charging, Mechanism:	Manual (spring assisted) as well as motorized with 230 VAC operated motor
e)	Continuous Rating	630Amp at ambient design 40 deg C
f)	Short Ckt Withstand	21 KA for 3Sec
g)	Fault making Capacity	52.5 KA
h)	Fault Breaking Capacity	21 KA minimum
i)	Current transformer	3 nos. epoxy cast Current Transformers with 15 VA burden STR of 21 KA for 3 second metering accuracy Class 0.2s and protection accuracy 10P10 and having of CTR 150/75/5A.
j)	Potential Transformer	3-phase draw out type PT of Ratio 11000/110 Volts of 50 VA burden to meet with auxiliary requirement with Class 0.5 accuracy including HT fuses on both incomer end.
k)	Protection Relay	Numeric type or updated version (Make: SCHNEIDER/ALSTOM/SIEMENS/ABB) with RS 485 connectivity with the protection of inverse, definite time, short circuit, over current, instantaneous and earth fault, master trip and trip supervision.
l)	Metering Compartment	Multi-Function meter having digital type (single) with voltage, current, PF, frequency, KW and KWH (Make – ENERCON/L&T /Secure)
m)	Accessories	2 sets of operating handle, spring charging handle, spanner set and other required accessories.
n)	Optional	One no. shunt trip and tripping coil operating on 12V DC. 2 nos. of space heater with ON/OFF switch and thermostat in each side of panel & Cable chamber, Power pack unit shall also be provided with 2hrs backup period.

The SF-6 breaker shall be completed with necessary interconnection with fine

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wiring, ferruled properly including foundation bolts, earthing etc. The layout drawing, dimensional drawings and electrical wiring diagram and operation & maintenance manuals shall be supplied with SF-6 Breaker. The SF-6 breaker shall be supplied in conformity with relevant ISS i.e. with up to date amendments along with manufacturers test certificate. This includes all labour and material as directed by Engineer-in-Charge.

TRANSFORMER 500 KVA:

The transformer shall be fully tested for routine tests, as per BIS-1985. The tenderer shall furnish data regarding adequacy DIN of Transformer capacity.

a)	Transformer capacity	500 KVA (Oil immersed)
b)	Primary voltage	11 KV +/- 10%
c)	Frequency	50 HZ
d)	No. of Phases	3
e)	Insulation Class	'F'
f)	Cooling	Oil Immersed
g)	Temperature	As per standard IS
h)	Percentage Rise	As per IS
i)	In winding	As per standard IS
j)	Winding connection	Secondary Star/Primary Delta
k)	Impedance	As per IS/BIS/DIN
l)	Vector Group	Dyn 11
m)	Neutral Grounding	HV ungrounded LV Solidly Grounded
n)	Winding material	Copper
o)	Noise Level	As per IEEE 141
p)	Vibration Level	As per standard IS
q)	Painting	632 Shed of IS:5 or BIS/DIN Standard
r)	Tapping Range	+/- 5%, Off-load tap changer
s)	Losses	Maintain as per IS/BIS/DIN
t)	Star Rating	It should be complied with Level II
u)	Make	Siemens/Crompton/BHEL/Schneider.

LV SWITCHGEAR:

The L.V side should be designed to equipment the following: -
Low voltage Bus bar system the equipment shall have all the following features

a)	LV bus bar	From transformer LV bushing to ACB and from ACB to MCCBs
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b)	Bus bar size for phase & neutral	Tinned copper busbar, size shall be as per manufacturer design. All the phases and neutral busbar shall be same rating / size. Bus bar size for phase & neutral Suitable spreader to be provided at outgoing side of MCCB to connect suitable size of cable with aluminum lug.
c)	Bus bar support	insulators 1 kV voltage class, SMC epoxy
d)	Bus bar sleeve	insulation Color coded, for 1kv
e)	Bus bar rated current	Suitable for 800A continuous current rating within the 10K class enclosure @ 400 C ambient temp
		ambient temp
f)	Bus bar short circuit	withstand 50 kA for 1 sec

• **Low voltage switchgear, ACB**

The equipment shall have all the following features -

a)	Rated operational voltage (V) at 50 Hz	440V
b)	Rated frequency (Hz)	50Hz
c)	Current rating Amps (rms)	800Amps
d)	Rated insulation voltage (V) at 50 Hz	1000
e)	Number of poles	4
f)	Rated impulse withstand voltage(kV)	8
g)	Rated Ultimate Short circuit breaking capacity at 415 V, 50 Hz (kA rms) Icu	50
h)	Rated Service Short circuit breaking capacity at 415 V,50 Hz (kA rms), Ics	50
i)	Rated short circuit making capacity at 50Hz (kA peak), expressed as multiples of Icu	105
j)	Rated short time withstand current for 1 sec at 50 Hz (kA rms), Icw, expressed as percentage of Icu	50
k)	Category of utilization	As per standard
l)	Shutters on 'Trip' & 'Close' push button with sealing facility	Yes

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m)	Accessories mounting	Accessories shall be front accessible plug in type. Accessories namely motor shunt trip & closing coil, UVT etc. should be common for the entire range & shall be suitable for both AC & DC voltages. Power pack unit is also be supplied for 2 hour backup
n)	Operating mechanism	Spring charging stored energy type , manual & Automatic
o)	Mechanical life (Operating cycles)	20000
p)	Indications	Breaker shall have following mechanical indications: 1. ON, 2. OFF, 3. TRIP 4. SPRING CHARGE STATUS
q)	Sensing	True RMS based
r)	Type	Microprocessor based
s)	Control Terminal	Should be front accessible and minimum NO/NC contacts shall be provided for electrical interlocking.
t)	Protection	As per latest standrad
u)	Metering required	Multi-Function meter for measuring 3 Ph current,3 Ph Voltage, KWH, KVAH, Power Factor, Max Demand (KVA), Fault History of Minimum Events,
v)	Indication	Release shall give individual indication for each type of fault

• **Low voltage switchgear, MCCB.**

a)	a) For 400 Amps b) For 200 Amps c) For 200 Amps. d) For 100 Amps	Outgoing feeders – 1 nos Outgoing feeders – 2nos . Outgoing feeders – 2 nos. Outgoing feeders – 4 nos
b)	MCCB rated voltage & Rated frequency (Hz)	415v +/- 10% at 50Hz
c)	Number of poles	4
d)	Current rating Amps (rms)	325Amps

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e)	MCCB rated 3 phase short circuit breaking capacity $I_{cs} = I_{cu}$ Rated impulse withstand voltage (kV)	50 KV minimum at 415v and 50Hz
f)	MCCB rated 3 phase short circuit withstand capacity, I_{cw}	8kA for 1sec
g)	Rated insulation voltage (V) at 50 Hz MCCB mechanical & electrical Endurance	1000 As per IS 13947 / IEC
h)	MCCB category of duty	C as per IS / IEC 947
i)	MCCB indications	ON, OFF & TRIP
j)	MCCB protection	Adjustable / front accessible thermal and magnetic setting. (Thermal setting for overload adjustable from 70% - 100% of the rated current & magnetic setting for short circuit adjustable 4-10 times / 5-10 times).

Safety Devices:

Rubber Mats, Fire Extinguisher & First Aid Box should include along with the Compact Substation. The rate should be inclusive of all taxes, levies, service tax, VAT loading at manufacturer's depot, transportation and unloading at the site of work etc. This includes all labour and material as directed by Engineer-in-Charge.

Technical Specification No.18:

This includes supply at site LT XLPE 1.1KV grade, 4 core x 70 sqmm & 16sqmm Aluminium conductor, XLPE insulated armoured cable confirming to IS: 7098 (Part-I) 1985 with up to date amendments and of approved make with ISI mark. The manufacturer shall produce TYPE TEST certificate with similar size of cable, which shall not be more than 3 years old. The cable shall have marking/embossing at the interval of every meter showing its progressive length. During the cable inspection, the manufacturer shall show the relevant ROUTINE TESTS to inspecting authority or otherwise the manufacturer shall produce the routine test certificate during supply of cable at site. The rate shall inclusive of all taxes, excise duty, packing, forwarding, insurance, transportation and unloading at site of work etc.

Technical Specification No.19:

This includes laying of single length 4 core x 70 or 4 core x 16sqmm Sq.mm LT armoured alluminum Conductor XLPE Cable of 1.1KV Grade (excluding supply of cable) through excavation in soft/hard soil. The trench to be excavated 0.3 mtr. wide 1.0 mtr. deep. The bed of 50mm of river sand shall be provided in the bottom of the excavated trench. The cable shall be laid over the bed of river sand. This includes providing & laying of bricks on both sides and top side of cable lengthwise i.e. parallel to the cable and the gaps shall be filled by fresh river sand. The cable shall be covered properly. The filling of the trench shall be done with the excavated stuff & should be watered and rammed properly to its original position. The excess excavated stuff shall be disposed off from the Site of work and spreaded in low laying area as directed.

Technical Specification No.20:

This includes laying of single length cable up to 4 core x 50 or 4 X 16 Sq.mm LT armoured aluminum Conductor XLPE Cable of 1.1KV Grade (excluding supply of cable) through road crossing in the trench to be excavated 0.3 mtr wide 1.0 mtr deep. by providing of 2 lengths of RCC NP2 Class pipe of 150mm diameter, in which cable shall be passed through and second shall be kept as spare. The excavated stuff shall be disposed off from the Site of work and spreaded in low laying area as directed. The filling of the trench shall be done with material in layers of 20 cm thickness and each layer should be watered and rammed properly and road position shall be properly re-done to its original position with all material and labour as directed by Engineer-in-charge.

Technical Specification No.21:

This includes supply at site, laying, fixing and connecting of G.I strip of size 50x6 mm from earth station/existing earthing system to H.T/L.T. panel, H.T/LT switchgears, Power, panel, transformer etc. as directed.

The G.I strip also 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.

Technical Specification No.22:

This includes preparation of earth station with G.I. Earth plate 600mm x 600mm. x 10mm. thickness and shall be buried in such a way that its top edge is at a depth of not less than 1.5

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Meter from the surface of ground. It shall have a G.I pipe (Class-B) for watering of size 20mm dia. buried vertically and adjacent to plate electrode and other end shall be provided with funnel. The two runs of G.I. flat of size 50mm x 6mm thick shall be clamped near funnel and to be taken from main earth plate. The value of earth pit shall be less than 5Ω .

A cement concrete (ratio 1:4:8) chamber of at least 30 cm x 30 cm shall be provided just below the surface of ground over the funnel for watering and having RCC/CI cover of suitable size as directed. The pit shall be filled with alternative layer of 15cm each of charcoal and salt. This also includes removal of extra-excavated earth from the site. The work shall be carried out to entire satisfaction of Engineer-in-charge. This work includes all labour and material as directed by Engineer-in-charge.

Technical Specification No-23:

HIGH MAST SPECIFICATION

The work include design, supply and erection testing & commissioning of 20M high mast flood lighting towers, including the installation, testing and commissioning of asymmetrical & symmetrical LED cool white flood light and other electrical accessories, arrangement for raising and lowering the lights during maintenance. This also include FRP feeder pillar with locking arrangement and same is to be installed on S.S angle 316 grade of 50x50 two-meter length. The feeder pillar will be mounted on same with PCC 300mm deep. The accessories are 100Amp MCCB four pole C Curve 415v 50Hz AC, three phase contactor 100amps,415V,50Hz AC rating,1No, Astronomical timer 24hrs 1No and Hylem connector strip of suitable size for termination of cables. The work includes complete labour & material and to entire satisfaction of Engineer In Charge.

APPLICABLE STANDARDS

The following shall be the Reference Standards for the loading of the high mast: BS Code of Practice, CP-3, Gradient of wind related to height Chapter-V,
BS 4360 Grades of MS Plates BS 5135
Welding
BD 729 Galvanising
Technical Report (TR) No.7 – 1996 Specification for Mast and Foundation. IS 875
(Pt-III) 1987 Code of Practice for Design Loads for structure

TECHNICAL SPECIFICATIONS HIGH MAST

Structure

The High mast shall be of continuously tapered, polygonal cross section, 20 sided or as per proven design, presenting a pleasing appearance and shall be based on proven In- Tension design conforming to standards, to give an assured performance and reliable service.

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The mast height shall be 20 meters, with minimum diameters as per proven design. Minimum plate thickness of bottom section shall be 6mm and other sections 5mm. The PCD of the mast flange shall be minimum 740 mm or as per proved design. The structure shall be suitable for wind loading as per IS-875, part-3, 1987 or relevant to site condition.

Construction

The mast shall be capable of safely withstanding the strong winds prevailing at site. The deflection at the top during heavy storm periods shall therefore be considered in the design and the mast designed in such way that the above deflection during worst periods is kept to a minimum value. The mast shall be fabricated from special steel plates, conforming to BS-EN10-025, cut and folded to form a polygonal section as stated above and shall be telescopically jointed and fillets welded. The welding shall be in accordance with BS:5135. The procedural weld geometry and the workmanship shall be exhaustively tested on the completed welds. The 20-meter size mast shall be delivered in sections, and shall be jointed of the entire section. The base flange shall be provided with supplementary gussets between the bolt holes to ensure elimination of helical stress concentration. For the environmental protection of the mast, the entire fabricated mast shall be hot dip galvanized, internally and externally, having a uniform thickness of 65 microns.

Door Opening

An adequate door opening shall be provided at the base of the mast and the opening shall be such that it permits clear access to equipment like winches, cables, plug and socket, etc. and also facilitate easy removal of the winch. The door opening shall be complete with a close fitting, vandal resistant, weather proof door, provided with a heavy duty double internal lock with special paddle key. The door opening shall be carefully designed and reinforced with welded steel section, so that the mast section at the base shall be unaffected and undue buckling of the cut portion is prevented.

Dynamic Loading for the Mast

The mast structure shall be suitable to sustain an assumed maximum reaction arising from a wind speed as per IS 875, and shall be measured at a height of 10 meters above ground level.

LANTERN CARRIAGE FABRICATION

A fabricated Lantern Carriage shall be provided for fixing and holding the flood light LED fitting. The Lantern Carriage shall be of special design and shall be of steel tube construction, the tubes acting as conduits for wires, with holes fully protected by grommets. The Lantern Carriage shall be so designed and fabricated to hold the required number of LED floodlight fittings and junction boxes, and also to have a perfect self-balance. The Lantern Carriage shall be fabricated in two halves and joined by bolted flanges with stainless steel bolts and plastic lock type stainless steel nuts to enable easy installation or removal from the erected mast. The inner lining of the carriage shall be provided with protective PVC arrangement, so that no damage is caused to the surface of the mast during the raising and lowering operation of

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

the carriage. The entire Lantern Carriage shall be hot dip galvanized after fabrication. and raise the Lantern Carriage Assembly. To enable this, a suitable Winch Arrangement shall be provided, with winch fixed at the base of the mast and the specially designed head frame assembly the top.

Winch

The winch shall be of double drum type as per IS 807, suitable to lift optimum mechanical load, shall be operated manually & electrically, Permanent oil bath of SAE 90 or equivalent of proven design. The gear ratio may be according to manufacturer's standard. However, the minimum working load shall be not less than 400Kg. The winch drums shall be grooved to ensure perfect seat for stable and tidy rope lay, with no chances of rope slippage. The rope termination in the winch shall be such that distortion or twisting is eliminated and at least 5 to 6 runs of rope remains on the drum even when lantern carriage is fully lowered and rested on the rest pads.

It shall be possible to remove the double drum after dismantling, through the door opening provided at the base of mast. Also a winch gear box for simultaneous and reversible operation of the double drum winch shall be provided as part of the contract.

Head Frame

The head frame which is to be designed as a capping unit of the mast, shall be of welded steel construction, galvanized both internally and externally after assembly. The top pulley shall be appropriate diameter, large enough to accommodate the stainless steel wire ropes and the multi-core electric cable. The pulley block shall be made of non-corrosive material, and shall be of die cast aluminium alloy (LM-6). Pulley made of synthetic material such as plastic or PVC are not acceptable. Self-lubricating bearings and stainless steel shaft shall be provided to facilitate smooth and maintenance free operation for a long period. The pulley assembly shall be fully protected by a canopy galvanized externally and internally, Close fittings guides and sleeves shall be provided to ensure that the ropes and cables do not dislodge from their respective positions in the grooves. The head frame shall be provided with guides and stops with PVC buffer for docking the lantern carriage.

Stainless Steel Wire Ropes

The suspension system shall be essentially be without intermediate joint and shall consist of any non-corrosive stainless steel of AISI 316 or better grade. The stainless steel wire ropes shall be of 7/19 construction, the central core being of the same material. The overall diameter of the rope shall not be less than 6 mm. The breaking load of each rope shall not be less than 2350kg individually, giving factor of safety or over 5 for system at full load, the minimum recommended value as per the TR-7 referred to in the beginning of the specification. The end construction of rope to winch drum shall be fitted with talurit. The thimbles shall be secured on ropes by compression splices. Two continuous lengths of stainless steel wire ropes shall be used in the system and no intermediate joints are

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

acceptable in view of the required safety. No intermediate joints, either bolted or else is provided on the wire ropes between winch and lantern carriage.

CABLE:

Trailing cable EPR Insulated and PCP sheathed 2.5sqmm 5core annealed copper cable.

LED SPECIFICATION:

Cool white LED, 2 year Warranty mandatory, Power 300W, Lighting effect grade 100LM/W, Input Voltage AC85V~265V, Frequency Range 50Hz~60Hz, Power Factor >0.95, Power Efficiency >92 %

Lifetime >50000 Hrs, die cast metal body. IP 65. Qty 100Nos (for 5 nos. high mast)

Power TOOL (Integral to system)

3Phase, 415v ,50 HZ,AC +/- 5% Rating of the motor shall be suitable to the design with control & torque limiting protection single speed.

CIVIL FOUNDATION:

High mast civil foundation is also in the scope of contractor, the design of foundation shall be approved from our Design section civil department, similarly its execution will also be under civil department. The soil bearing capacity is 5T/Mtsquare; however, during start of work contractor has to obtain complete detail of soil and based on same design is to be done. Work include complete materials & labour, and to entire satisfaction of Engineer In charge.

Technical Specification No.24:

This includes supply & Laying at site LT XLPE 1.1KV grade, 4 core x 35 sqmm Aluminium conductor, XLPE insulated armoured cable confirming to IS: 7098 (Part-I) 1985 with up to date amendments and of approved make with ISI mark. The manufacturer shall produce TYPE TEST certificate with similar size of cable, which shall not be more than 3 years old. The cable shall have marking/embossing at the interval of every meter showing its progressive length. During the cable inspection, the manufacturer shall show the relevant ROUTINE TESTS to inspecting authority or otherwise the manufacturer shall produce the routine test certificate during supply of cable at site. The rate shall inclusive of all taxes, excise duty, packing, forwarding, insurance, transportation and unloading at site of work etc. This also includes laying of single length 4 core x 35Sq.mm LT armoured alluminum Conductor XLPE Cable of 1.1KV Grade (excluding supply of cable) through excavation in soft/hard soil. The trench to be excavated 0.3 mtr. wide 1.0 mtr. deep. The bed of 50mm of river sand shall be provided in the bottom of the excavated trench. The cable shall be laid over the bed of river sand. This includes providing & laying of bricks on

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

both sides & top sides of cable lengthwise i.e. parallel to the cable and the gaps shall be filled by fresh river sand. The cable shall be covered properly. The filling of the trench shall be done with the excavated stuff & should be watered and rammed properly to its original position. The excess excavated stuff shall be disposed off from the Site of work and spreaded in low laying area as directed.

TECHNICAL SPECIFICATION FOR PART

B

Technical Specification No.1:

The work includes dismantling of existing 9 Meter Octagonal Streetlight Pole from existing Location and same is to be re-installed at New Location as per the direction of Engineer-in-charge. Dismantling of existing 9 Mt. Octagonal Streetlight Pole from existing Location along with its arms and streetlight fixtures thereof removal of pole from its Original foundation bolt safely along with its LT Cable etc. removal of all street light pole obstructing proposed six-Lane road pole with its foundation is to be fixed within six-Lane road area with its existing Foundation & same is to be re-fixed at an interval of 30meter length including work of pole earthing, fixing of Fixtures of 90-120 w, providing

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

power supply from its distribution power cable through mains of LT Panel complete with lugs and all necessary tightness at both end along with contactor of 100 amp, timer, 4 pole MCCB of 100 ampere along with connectors etc. to entire satisfaction of Engineer In Charge this also includes numbering to streetlight pole complete with labour and materials.

Technical Specification No.2:

Dismantling of existing Double circuit DC 1 and DC 2 Over head Line removal of existing double circuit 11KV DC 1 and DC 2 Over head line, removal of jumpers, old conductors, pin/disc insulators, hardware removing and stacking of fabrication items, also existing poles are to be cut from ground level and same is to be shifted & stacked as directed by Engineer in charge.

Signature of Contractor
(Electrical)

Deendayal Port Authority

Sd/-

Executive Engineer

SECTION VI

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

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

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
6	LT XLPE CABLES	POLYCAB/TORRENT/RPG ASIAN/ NICCO/ RALLISON/PRIMECAB/ HAVELLS/ UNIVERSAL/ UNISTAR/AVOCAB
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
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
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
18	MULTI FUNCTION DIGITAL METER FOR MAIN LT DISTRIBUTION PANELS/DIGITAL KWH METERS	L&T/ENERCON/SECURE/L&G/ RISHABH

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

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	RR KABEL/KEI/POLYCAB/MILEX/GUJCAB/ STANDARD/ FINOLEX/ANCHOR
24	FLUSH TYPE SWITCHES, SOCKETS, HOLDERS AND CEILING ROSES & ELECTRONIC REGULATORS	ANCHOR/MK/NORTHWEST/VINAY/PANAMA/HAV ELLS
25	DOOR BELLS/CALL BELLS	ANCHOR/LEGEND/MK/NORTHWEST
26	MODULAR SWITCHES, SOCKETS, PLATES & BOXES	ANCHOR / MK / NORTHWEST / LEGRAND /HAVELLS/INDOASIANSIEMENS
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
31a	LED Luminaries	Philips /Bajaj/Wipro/CG/Surya/Pyrotech/Syska/Nessa having surge Protection $\geq 10KV$ for fittings & internal Surge rotection for Driver of $\geq 4KV$, LED Chip only OSRAM/CREE/Philips Lumileds/Citizen/Nicia with LM-79,80 CERTIFICATION
32	CEILING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC

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33	WALL MOUNTING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
34	EXHUAUST 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 B) ALTERNATOR	CUMMINS/GREAVES/KIRLOSKAR/ CATERPILLAR/ ASHOK LEYLAND/VOLVO 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
46	Heat shrink Joint for HT/LT cables	Raychem/YamunaDenson/3M/Mseal/ or as per approved list of GETCO/PGVCL.

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

Section VII

Bill of Quantities

Name of Work - Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

Sr. No.	Description	Qty	Unit	Rate	
<u>Part A: Electrical Item</u>					
1	Supply, Installation, Testing and commissioning of 11KV overhead line with 100mm ² AAAC DOG Conductor with wind pressure 100kg/m ² on RSJ 9mtr pole (Approximate span of 30m) as per technical specification no.1				
(a)	Supply	8.5	KM		
(b)	Erection testing & Commissioning	8.5	KM		
2	Supply, Installation, Testing and commissioning of 11KV overhead line with 100mm ² AAAC DOG Conductor with wind pressure 100kg/m ² on RSJ 11mtr pole (Double pole structure) as per technical specification no.2				
(a)	Supply	12	Set		
(b)	Erection testing & Commissioning	12	Set		
3	Providing and fixing of Cement Concreting of 1:2:4 ratio mixtures for Poles / Guys including C.C for Poles and Guys as per site requirement as per technical specification no.3	300	M ³		
4	Supply, Installation, testing and commissioning of Stay Set (Extra) with Erection as per technical specification no.4				
(a)	Supply	40	Set		
(b)	Erection testing & Commissioning	40	Set		
5	Supply, Installation, Testing and commissioning				

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

	of DP structure with 11KV A.B. Switch & D.O. Fuse on 9MTR RSJ POLE as per technical specification no.5				
(a)	Supply	4	No		
(b)	Erection testing & Commissioning	4	No.		
6	Supply at site HT XLPE(E) 3C x 300 sqmm insulated armoured aluminium conductor cable as per Technical Specification No.6	5500	mtr		
7	Laying of Double circuit (three parallel cables) 3CX300 Sq.mm (E) XLPE Cable through Hard/Soft Soil Excavation and laying through Half Round Pipe (2 Nos.) 6" inner Diameter and 1 Meter length as per technical specification no. 7	4000	mtr		
8	Laying of Double circuit (three parallel cables) 3CX300 Sq.mm (E) XLPE Cable through RCC/Road/Rail Crossing by Putting Suitable HDPE pipe in between Crossing as per technical specification no.8 (AUGAR ITEM)	1500	mtr		
9	Supply, fixing and testing of Outdoor Cable Termination kit for 11kV 300sqmm XLPE Cable as per technical specification no.9				
(a)	Supply	15	No		
(b)	Erection testing & Commissioning	15	No.		
10	Supply, fixing and testing of Straight through Joint Cable Termination kit for 11kV 300sqmm XLPE Cable as per technical specification no.10				
(a)	Supply	6	No		
(b)	Erection testing & Commissioning	6	No.		
11	Supply and installation of Earthing coils at each end of the cable individually for each cable as per technical specification no.11				
(a)	Supply	15	No		
(b)	Erection testing & Commissioning	15	No.		

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

12	Supply and installation of reflective sign boards as per technical specification no.12				
(a)	Supply	50	No		
(b)	Erection testing & Commissioning	50	No.		
13	Guarding assembly for 1km under 11kV Overhead line as per site requirement approximate pole span 30m as per technical specification no. 13	100	mtr		
14	Reclamation of land and approach area for erecting of Double Tension pole including all fittings like gay sets and concreting etc. at Various Tension Poles as per specification 14	31000	M ³		
15	Energizing of 11KV new HT line complete with TESTING and Commissioning with existing LINE including Electrical Inspectors visit/approval as per specification No 15	1	Complete Job		
16	New erected 11KV New line and Existing 11KV Line Pole Numbering correction and Providing New Pole Numbering on 11KV DC1 and DC 2 Feeder as per specification no 16	300	No.		
17	Supply, Installation, Testing and Commissioning of 500kVA 11/0.43kV Outdoor Type Compact Substation with HT Panel, Transformer, LT Panel, Protection and Metering Device, etc. and other relevant accessories in a suitable enclosure with IP54 as per technical specification no 17	3	No.		
18	Supply at site LT XLPE insulated armoured aluminium conductor cable as per mentioned below as Technical Specification No. 18				
(i)	4C X 70 Sqmm	4	KM		
(ii)	4C X 16 sqmm	3	KM		
19	Laying of LT XLPE cable through excavation in hard & soft soil as per site requirement between pole to pole and as per technical specification no 19				
(i)	4C X 70Sqmm	1.5	KM		
(ii)	4C X 16sqmm	2	KM		
20	Laying of LT XLPE cable through excavation at road crossing through NP2 class pipe as per site requirement as per technical specification no. 20				

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

(i)	4C X 70Sqmm	0.5	KM		
(ii)	4C X 16sqmm	1	KM		
21	Supply & fixing of 50x6mm GI Flat with Earth Pit termination at site complete with labour & Materials.	200	Mtr.		
22	Supply & fixing of GI plate earthing of size 600 x600x 10mm GI plate with charcoal & salt and as directed by Engineer In Charge.	19	No.		
23	Supply Installation testing & commissioning of 20Mtr High mast GI tower along with its civil foundation as per Soil Bearing Capacity of approx. 1.5T/Mtr square, This also includes supply & fixing of 300W LED cool white flood light fitting, complete as per technical specification no 23	5	Nos.		
24	Supply & Laying at site LT XLPE insulated armoured aluminium conductor cable as per mentioned below as Technical Specification No. 24. (i)4c x 35sqmm	2	KM		
Total:					

(In words Rupees _____ or _____)

(NOTE: The rates should be inclusive of all taxes, duties, fees, cess etc and all incidental charges; but exclusive of GST).

Signature & Seal of Contractor

**Executive Engineer (E)
Deendayal Port Authority**

Name of Subject : Providing Power supply for 11kv DC 1 and DC 2 Feeder,as due widening of 6 Lane Road at DPA Kandla

Sr. No	Description	Qty	Unit	Rate	Amount
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Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

PART-B 11KV DC 1 and 11KV DC 2 Feeder					
1	Dismantling of streetlight fixtures with arm and other accessories from the existing octagonal street light pole and there after removal of 9 meter octagonal pole along with its civil foundation and shifting, re-erection, testing and commissioning with all street fixture accessories like arm, fixture, MCB and other accessories at the location as directed by Engineer-in-charge also include new pole numbering complete with labour & materials. as per specification Part B No 1	200	Nos		
2	Removal of conductor with all hardware guys, guy wire insulators from existing PSC Poles and there after cutting from the base and removal of PSC Poles and shifting & storing at suitable locations as directed by Engineer in charge.	250	Nos		
					TOTAL

(In words Rupees _____ only)

(NOTE: The rates should be inclusive of all taxes, duties, fees, cess etc and all incidental charges; but exclusive of GST).

Signature & Seal of Contractor

Sd/-
Executive Engineer (E)
Deendayal Port Authority

Section VIII

DRAWING-I

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

NOT APPLICABLE

DRAWING-II

NOT APPLICABLE

Signature of Contractor

**Executive Engineer (E)
Deendayal Port Authority**

SECTION IX

EVIDENCE TOWARDS SITE VISIT

I, Shri _____ authorized representative of M/s. _____

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

_____ (authorization letter issued by the firm with my specimen signature and passport size photo and adhaar card are enclosed) have visited the site on __ with DPA representative Shri _____, (Designation) _____ for the work of **“Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.”** and inspected the site and other issues related to tender to my satisfaction.

Seal, name and signature of the bidder	Name, designation and signature of DPA representative who assisted bidder during site visit.	Seal, name and signature of Assistant Executive Engineer (E)

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

SECTION X

Format for submitting information of Bid Capacity

Annexure - A For calculating “A” of the formula.

Sr. No.	Financial Year	Value of work undertaken	Multiplying factor	Value updated to the price level of the year (Col C x col D)
A	B	C	D	E
1				
2				
3				
4				
5				
6				
7				

Annexure-B For calculating “B” of the formula

For calculating “B” of the formula Sr. No.	Name of client	Name of work	Work order no. and date	Schedule period of completion as per work order with start date	Contract value	Value of work done	Remaining value of work done	Anticipated date of completion	Remaining value of work done (Completion period of the work for which bids are invited by DPA) from the date of opening of preliminary bid of opening of preliminary bid

Signature & Seal of Contractor

SECTION XI

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

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

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

Shifting of 11KV Double Circuit SIPC feeder, due to widening of the Road to 6 Lanes at DPA Kandla.

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

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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

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/ 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.

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

Section 9 - Pact Duration

9.1 This Pact shall be operative from the date of signing of IP by both the parties till the final completion of contract of successful bidder and for all other bidders six months after the contract has been awarded. Issues like warranty, guarantee, etc. should be outside the purview of IEMs.

9.2 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 DPA.

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.

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

1806
(For & on behalf of the Principal)
प्रधिशारी अधिकारी (Principal)
दीनद (Office)

(For & on behalf of the Bidder/Contractor)

Place : Gandhidham Date

: ____/____/20

Witness-1:
(Name & Address) A. S. Kumthekar
D. 73 Shaktinagar
Gandhidham
Kochhli

Witness-2
(Name & Address) _____

“Note: The bidder has to execute Integrity Pact agreement with Deendayal Part Authority (as per Bid Response Sheet No. 10 and Shri Amiya Kumar Mohapatra,IFoS (Retd.) and Shri Gopal Dhawan, Ex-CMD, MECL, have been appointed by DPA as independent External Monitors and whose address are as under:-

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

Shri Gopal Dhawan, Ex-CMD, MECL,
House No. 120, Jal Shakti Vihar
(NHPC Society)P4, Builders Area,
Greate Noida Gautam Budh
Utter Pradesh – 201 315.

Mobile No. 8007771467
email:gdhawangeologist@gmail.com