

DEENDAYAL PORT AUTHORITY

ISO 9001:2008 | ISO 14001 | ISPS COMPLIANT PORT



MECHANICAL ENGINEERING DEPARTMENT

ELECTRICAL DIVISION

TENDER NO. EL/WK/2853

“Annual rate contract for 11 KV distribution network at license area of DPA at Kandla”.

**Executive Engineer(E)
Electrical Division
Deendayal Port Authority,
Ground Floor, Port & Custom Building,
New Kandla – 370 210.
Phone No. (02836) 220636/270184
Fax No. (02836) 270184/270475
Email:-see@deendayalport.gov.in**

CONTENTS OF TENDER DOCUMENT**Bid Reference No. EL/WK/2853**

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- **SECTION I : Instruction to Bidders**
- **SECTION II : General Conditions of Contract**
- **SECTION III : Special Conditions of Contract**
- **SECTION IV : Forms of Bid**
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- **SECTION VI : Bill of Quantities**
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- **Section VIII : Evidence Towards Site Visit**
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DEENDAYAL PORT AUTHORITY
TENDER NOTICE NO.EL/WK/2827

Name of work	“Annual rate contract for 11 KV distribution network at license area of DPA at Kandla”.”																																					
Estimated cost put to tender	₹ 6,84,59,749.00/-																																					
Tender fee :	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. 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. <table><tr><th>Level</th><th>Description</th></tr><tr><td>Section – F</td><td>CONSTRUCTION</td></tr><tr><td>Division – 42</td><td>CIVIL ENGINEERING</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></table> OR <table><tr><th>Level</th><th>Description</th></tr><tr><td>Section – F</td><td>CONSTRUCTION</td></tr><tr><td>Division – 43</td><td>Specialized construction activities</td></tr><tr><td>Group - 432</td><td>Electrical, plumbing and other construction installation activities</td></tr><tr><td>Class – 4321</td><td>Electrical installation</td></tr><tr><td>Sub Class - 43219</td><td>Other electrical installation n.e.c.</td></tr></table> OR <table><tr><th>Level</th><th>Description</th></tr><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><tr><td>Class – 3510</td><td>Electric power generation, transmission and distribution</td></tr><tr><td>Sub Class - 35109</td><td>Collection and distribution of electric energy to households, industrial, commercial and other users n.e.c.</td></tr></table>		Level	Description	Section – F	CONSTRUCTION	Division – 42	CIVIL ENGINEERING	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 – F	CONSTRUCTION	Division – 43	Specialized construction activities	Group - 432	Electrical, plumbing and other construction installation activities	Class – 4321	Electrical installation	Sub Class - 43219	Other electrical installation n.e.c.	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 - 35109	Collection and distribution of electric energy to households, industrial, commercial and other users n.e.c.
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Last date of downloading	28/10/2025 upto 16:00																																				
Last date and time of submission of E-tender	28/10/2025 upto 16:00 only on website https://kpt.nprocure.com :																																				
Pre-bid meeting	17/10/2025 @ 12:00 Hrs. in the Old Board Room, A. O. Building, Gandhidham																																				
Date and time for opening of E- tender	28/10/2025 at 16:15 hrs																																				
Downloading websites	https://kpt.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

NOTICE INVITING ON LINE TENDER

Details about tender:

Department Name	Mechanical Engineering Department
Circle/ Division	Electrical Division, Nirman Building, Ground Floor, New Kandla-(Kutch)-370210
Tender Notice No.	EL/WK/2827
Name of Project	"Annual rate contract for 11 KV distribution network at license area of DPA at Kandla".
Name of Work	"Annual rate contract for 11 KV distribution network at license area of DPA at Kandla".
Estimated Contract Value (INR)	₹ 6,84,59,749.00/-
Period of Completion (in Months)	24 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	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 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.
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 31st March of the previous financial year, should be at least ₹ 205.38 Lakh Certified by Chartered Accountant. UDIN should be mentioned in the certificate. 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 ₹ 273.84 Lakh. Excl. GST

Or

- ii) Two similar completed works each costing not less than the amount equal to ₹ 342.30 Lakh. Excl. GST

Or

- iii) One similar completed work costing not less than the amount equal to ₹ 547.68 Lakh. Excl. GST

- 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
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 —A as mentioned in the formula.

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

- (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.
- (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. (F) Upload duly signed document given at Section-VIII towards evidence of site visit. (The bidder who has not physically visited the site and not uploaded document given at Section-VIII, 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.																										
	Similar works means: SITC/AMC/ARC of 11 KV and above electrical works consisting of 11KV overhead lines along with associated works carried out in any government/semi government/state government/private sector/PSU.																										
Joint Venture	Not Allowed																										
Rebate	Not applicable																										
Bid Document Fee:	Rs. 5000 + 900 (GST)= 5900/- Present rate of GST is 18% (non- refundable)/-(Five Thousand Nine Hundred Only) Through online 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. 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. <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>CIVIL ENGINEERING</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> OR <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 – 43</td><td>Specialized construction activities</td></tr> <tr> <td>Group - 432</td><td>Electrical, plumbing and other construction installation activities</td></tr> <tr> <td>Class – 4321</td><td>Electrical installation</td></tr> <tr> <td>Sub Class - 43219</td><td>Other electrical installation n.e.c.</td></tr> </tbody> </table> OR <table border="1"> <thead> <tr> <th>Level</th><th>Description</th></tr> </thead> <tbody> </tbody> </table>	Level	Description	Section – F	CONSTRUCTION	Division – 42	CIVIL ENGINEERING	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 – F	CONSTRUCTION	Division – 43	Specialized construction activities	Group - 432	Electrical, plumbing and other construction installation activities	Class – 4321	Electrical installation	Sub Class - 43219	Other electrical installation n.e.c.	Level	Description
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Bid Security/ EMD (INR) In Favor Of :

Through the form of Bank Guarantees the EMD shall be deposited through the form of Bank Guarantee drawn in favour of Board of Deendayal Port Authority, Gandhidham, from any Nationalized Bank / Scheduled Bank (except co-operative bank) having its branch in Gandhidham (as per enclosed format Form-6 InSection IV) **Or in form of Insurance Surety Bond as per format and condition in Form – 23A** to 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 be come 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

Level	Description
Section – F	CONSTRUCTION
Division – 42	CIVIL ENGINEERING
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

OR

Level	Description
Section – F	CONSTRUCTION
Division – 43	Specialized construction activities
Group - 432	Electrical, plumbing and other construction installation activities

	Class – 4321	Electrical installation
	Sub Class - 43219	Other electrical installation n.e.c.
	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 - 35109	Collection and distribution of electric energy to households, industrial, commercial and other users n.e.c.
	OR	
	Level	Description
	Section – F	CONSTRUCTION
	Division – 43	Specialized construction activities
	Group - 432	Electrical, plumbing and other construction installation activities

Bid Document Downloading Start Date	01/10/2025																				
Bid Document Downloading End Date	28/10/2025 up to 16:00 Hrs.																				
Date & Place of Pre Bid Meeting	17/10/2025 @ 12:00 Hrs. at A.O. Building, Gandhidham																				
Last Date & Time for Receipt of Bids	28/10/2025 @ 16:00 Hrs.																				
Bid Validity Period	120 Days																				
Condition	(1) Tender Fee : Rs. 5000 + 900 (GST)= 5900/- Present rate of GST is 18% (non-refundable)/-(Five Thousand Nine Hundred Only) 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. 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-42202,35109,43219 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. <table><tr><td>Level</td><td>Description</td></tr><tr><td>Section – F</td><td>CONSTRUCTION</td></tr><tr><td>Division – 42</td><td>CIVIL ENGINEERING</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></table> OR <table><tr><td>Level</td><td>Description</td></tr><tr><td>Section – F</td><td>CONSTRUCTION</td></tr><tr><td>Division – 43</td><td>Specialized construction activities</td></tr><tr><td>Group - 432</td><td>Electrical, plumbing and other construction installation activities</td></tr></table>	Level	Description	Section – F	CONSTRUCTION	Division – 42	CIVIL ENGINEERING	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 – F	CONSTRUCTION	Division – 43	Specialized construction activities	Group - 432	Electrical, plumbing and other construction installation activities
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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 - 35109	Collection and distribution of electric energy to households, industrial, commercial and other users n.e.c.

2) **EMD: ₹ 6,84,597/-** (Rupees Six lakhs Eighty Four thousand Five hundred Ninety seven only)

Through the form of Bank Guarantees the EMD shall be deposited through the form of Bank Guarantee drawn in favour of Board of Deendayal Port Authority, Gandhidham, from any Nationalized Bank / Scheduled Bank (except co-operative bank) having its branch in Gandhidham (as per enclosed format Form-6 InSection IV) **Or in form of Insurance Surety Bond as per format and condition in Form – 23A** to 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 asper 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.

Level	Description
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Division – 42	CIVIL ENGINEERING
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Level	Description
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Group - 351	Electric power generation, transmission and distribution

	Class – 3510	Electric power generation, transmission and distribution
	Sub Class - 35109	Collection and distribution of electric energy to households, industrial, commercial and other users n.e.c.
OR		
3) The “Procedure for signing Integrity Pact” is as follow: 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; 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. 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 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. Accordingly, offer of those bidders shall only be opened whose EMD, Tender Fee and Integrity pact and along with Bid Securing Declaration Form (in case exemption under MSE’s) are received electronically. However, for the purpose of realization, bidder shall send the same in original to EE(E) at the time of tender opening or send the same by hand/courier/RPAD/Speed post so as to reach the Ex. Engineer (E), Electrical Division, Nirman 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.		
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 xx/xx/2025 @ 14:30 Hrs. Date of opening of price bid shall be notified after scrutiny and evaluation of Technical Bid.	
Documents required to be submitted by scanning through online	a. Documents in support of fulfilling Qualifying Criteria as 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 Building, Ground Floor, New Kandla-(Kutch)-370210	
Bid Opening Authority :	Executive Engineer (E)	
Address:	Executive Engineer (E), Electrical Division, Nirman Building, Ground Floor, New Kandla-(Kutch)-370210	
Contact Details :	Executive Engineer (E), Electrical Division, Nirman Building, Ground Floor, New Kandla (Kutch)-370210 Phone: 02836-270209, 270342. Fax No. 02836 270184.	
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@gnvfc.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 Superintendent 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 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 at least ₹ 205.38 Lakh Certified by Chartered Accountant.	Certificate should be issued by the Chartered Accountant. UDIN should be mentioned in the certificate.
(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 ₹ 273.84 Lakh. Excl. GST Or	(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:-

	ii) Two similar completed works each costing not less than the amount equal to ₹ 342.30 Lakh. Excl. GST Or iii) One similar completed work costing not less than the amount equal to ₹ 547.68 Lakh. Excl. GST 1) Name of Contractor 2) Name of Work 3) No. of work order/agreement and date 4) Contract value 5) Contract period 6) Date of commencement of work 7) Date of completion 8) Value of Work executed during the contract period/original contract period 9) Date of issue of completion certificate. 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.																								
(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. <table><tr><td>Financial Year</td><td>2023-24</td><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>Index</td><td>151.4</td><td>152.5</td><td>139.4</td><td>123.4</td><td>121.8</td><td>119.8</td><td>114.9</td></tr><tr><td>Multiplying Factor</td><td>1.00</td><td>0.99</td><td>1.09</td><td>1.23</td><td>1.24</td><td>1.26</td><td>1.32</td></tr></table> IMPORTANT: (i) The value of annual turnover is not to be considered towards —A as mentioned in the formula. (ii) The information may be provided as per the format given at Section XIII.	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
Financial Year	2023-24	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18																		
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Multiplying Factor	1.00	0.99	1.09	1.23	1.24	1.26	1.32																		
(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.	
(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.	
(f)	Upload duly signed document given at Section-VIII towards evidence of site visit. (The bidder who has not physically visited the site and not uploaded document given at Section-VIII, 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/AMC/ARC of 11 KV and above electrical works consisting of 11KV overhead lines along with associated works carried out in any government/semi government/state government/private sector/PSU

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.
- f. PAN, Registration with GST, VAT, Provident Fund Authorities.
- g. Valid Electrical Contractor License issued by respective State / Central Govt. **(Without uploading of Valid Electrical Contractor License bid will be considered irresponsible.)**
- h. Through the form of Bank Guarantees the EMD shall be deposited through the form of Bank Guarantee drawn in favour of Board of Deendayal Port Authority, Gandhidham, from any Nationalized Bank / Scheduled Bank (except co-operative bank) having its branch in Gandhidham (as per enclosed format Form-

6 InSection IV) **Or in form of Insurance Surety Bond as per format and condition in Form – 23A** to 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 shall become eligible for exemption from payment of Tender fee/EMD. Such bidder shall upload the scanned copy of valid certificate in preliminary bid.

Level	Description
Section – F	CONSTRUCTION
Division – 42	CIVIL ENGINEERING
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Group - 432	Electrical, plumbing and other construction installation activities
Class – 4321	Electrical installation
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- 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.
- 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 (not applicable)

In case of association in the form of consortium or joint venture agreement, the members of the association shall nominate one of the members as “lead partner” for participating in the tender and signing all the documents related therewith up to signing of agreement and execution of all the contractual obligations there after (in case of award of contract). All the partners of the association must also, jointly and severally, be responsible for satisfactory execution and performance of the contract. The firms with at least 26% equity holding each are allowed to jointly meet the legibility criteria.

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 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/2853

- **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** : **Bill of Quantities**
- **SECTION VII** : **Drawings**
- **Section VIII** : **Evidence Towards Site Visit**
- **Section IX** : **Approved Make List for Electrical Items**
- **Section X** : **Maintenance Schedule**
- **Section XI** : **Format for work Permit**
- **Section XII** : **Line clearance Format**
- **Section XIII** : **Information of bid capacity**
- **Section XIV** : **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://kpt.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 XX/XX/2025 @ 16:00 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://kpt.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.

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 and Tender Fees and Integrity Pact (Preliminary Bid) and **along with Bid Securing Declaration Form for MSE's (Form 7 in Section IV)**
- 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 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. 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)

The tender shall be accompanied by Earnest Money Deposit ₹ **6,84,597/-** (Rupees Six lakhs Eighty Four thousand Five hundred Ninety seven only) Through the form of Bank Guarantees the EMD shall be deposited through the form of Bank Guarantee drawn in favour of Board of Deendayal Port Authority, Gandhidham, from any Nationalized Bank / Scheduled Bank (except co-operative bank) having its branch in Gandhidham (as per enclosed format Form-6 In Section IV) to 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.

(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 Form 9 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
 - 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 into 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 Division of GNFC,
301 GNFC Info tower,
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 hardcopies 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 Building,
New Kandla – 370210.Gujarat-State.
 - (b) bear the following identification:

Accompaniments for “Annual rate contract for 11KV distribution network at license area of DPA at Kandla”

Bid reference No **EL/WK/2853**

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://kpt.nprocure.com> not later than 15:00 Hrs on XX/01/2024.
- 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://kpt.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://kpt.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://kpt.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://kpt.nprocure.com> and the one submitted by the tenderer, the conditions mentioned in the port's tender document uploaded on <https://kpt.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://kpt.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
- (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.

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 14 days (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 fulfilment 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.

- 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 in form of BG/FDR/Digital Transfer or Insurance Surety Bond (Form 8 A) or in form of Bank Guarantee issued from Nationalized/ Scheduled bank (except co-operative banks), having its branch at Gandhidham, 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 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.
- 2) Successful Bidder has to submit the Performance security @ 5% of Contract price within 21 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 from any nationalized bank/scheduled bank (Except co- operative bank) having its branch at Gandhidham.
- 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) In case of submission of fraudulent documents with regard to Bank Guarantee/Insurance Surety Bond (Form 8A) against Performance Security by the Bidder shall be treated as major violation of the Tender procedure and in such cases, Black listing the contractor for the next three years.

- 7) The Performance Guarantee cum Security Deposit will be released after successful completion of guarantee period.
- 8) 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.
- 9) BG submitted by the contractor should remain valid for a period of 60 day beyond the date of completion of all contractual obligations of the concerned contractor including defect liability period.

34. Issue of Work Order

(This clause is superseded by Clause No. 1 under Special Conditions, Section-III)

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 completed within twenty four (24) months from the date of issue of Work Order. The contract period is extendable to a period of up to six months on the same rate, terms and condition on mutual consent.

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 any thing 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 ea a 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.

**Signature & Seal
Of Contractor**

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

SECTION – II

GENERAL CONDITIONS OF CONTRACT

GENERAL CONDITIONS

1. Definitions

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

- a. **“Employer”** means Board of Deendayal Port Authority, a body corporate under the Major Port Authorities 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 Award, 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 and excise 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.
- 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”** re 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 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

- a) 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.

b) 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 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.

7. Payment Terms:

(This clause is superseded by Clause No. 2 under Special Conditions, Section-III)

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

(I) In respect of tender for supply and installation (Changes to be made as per nature of the Work)

- i. 70% of above 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) In respect of lump sum work (Changes to be made as per nature of the Work)**

- NOTE:**

Bank Payment Agreement Form

- Signature of the bank manager with the seal.

8. Insurance:

(This clause is superseded by Clause No. 3 under Special Conditions, Section-III)

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- 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 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:

(This clause is superseded by Clause No. 4 under Special Conditions, Section-III)

- 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 upto ten percent (10%) 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 worksite. 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:

- 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).
- 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 reimburse 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:

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

Tax: The rates quoted by the contractor shall be deemed to be inclusive of the taxes, duties etc. 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, 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 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 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.
- 23.2 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.
- 23.3 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.
- 23.4 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.
- 23.5 The employer may terminate the contract if Contractor causes a fundamental breach of the contract.
- 23.6 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
 - 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:

- (I) 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.
- (II) 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.

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.
- (III) 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.
- (IV) 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.
- (V) 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.
- (VI) 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.
- (VII) 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.
- (VIII) The award of the arbitrator shall be final, conclusive and binding on all the parties to Contractor.
- (IX) The arbitrators from time to time, with the consent of both the parties, enlarge the time for making & publishing the award.
- (X) 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.

- (XI) It is also a term of the contract that if any fees are payable to the arbitrator, this shall be paid equally by both the parties.
- (XII) 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.
- (XIII) 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 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 may delegate any of the duties and responsibilities to other Officers / officials 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

(This clause is superseded by Clause No. 5 under Special Conditions, Section-III)

- (i) Electricity, and water execution of the work at site shall be provided on Free of cost subject to availability. Necessary arrangements has to be borne by contractor.
- (ii) The employer will not provide accommodation, during the tenure of contract. However,

suitable accommodation will be provided for site office purpose at inside cargo jetty area.

- (iii) Administrative support only, for obtaining clearance from any statutory authority, shall be provided by the employer.
- (iv) 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 will clarify queries on the Technical Data.

32. Approval by the Engineer-in-Charge.

The Contractor shall submit the make of material, equipment's, specifications and drawings for proposed Work to the Engineer-in-Charge, who is to approve them subject to compliance with the Technical specifications and drawings.

The Engineer-in-Charge 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 off 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.

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 its 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:

(This clause is superseded by Clause No. 6 under Special Conditions, Section-III)

- i. The Third Party Inspection Agency shall be arranged by DPA and cost of Third Party Inspection mentioned below shall be borne by DPA.
- ii. 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.
- iii. The Third Party shall carry out inspection of work as per tender specification/relevant standard.
- iv. 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 (Not Applicable)

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 contracts 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 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 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:

(This clause is superseded by Clause No. 7 under Special Conditions, Section-III)

All the tools, tackles, 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 provided by DPA free of cost obtained from the concerned authorities of the port.

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:

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 engage a person having 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, under whose supervision electrical work will be carried out.

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 service tax), duties, fees, Cess etc. and all incidental charges.

58. Labour License:

The contractor will have to obtain License from Assistant Labour Commissioner (ALC), Goplapuri, 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 case the port shall resort to forfeiture of EMD (of any) / SD/BG of the bidder, apart from blacklisting the firm for the next 3 years.

60. 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 of Contract and ITB wherever applicable.)

1. Issue of work order (The clause No. 34 of Section-I is replaced as under)

The work order will be issued on the submission and acceptance of the following documents:

Sr. No.	Description	Time period for submission
1	Duly signed agreement along with the required documents.	14 days from the date of receipt of LOI
2	Performance guarantee of appropriate value and in format, prescribed.	21 days from the date of receipt of LOI
3	Bringing the tools & tackles on site mentioned in the Clause no 20 of Section V.	21 days from the date of receipt of LOI
4	Submission of the staff profile as per Clause no 14 of Section V.	21 days from the date of receipt of LOI
5	Photo ID card issued by the contractor in respect of the staff engaged by the contractor & Bank Account no of each member of the staff.	21 days from the date of receipt of LOI
6	Bringing the consumables as per Clause no 13 of Section V	21 days from the date of receipt of LOI
7	Copy of insurance applicable in tender	21 days from the date of receipt of LOI
8	Policy Verification Certificate of the staff engaged by the contractor as per the tender condition	21 days from the date of receipt of LOI
9	List of material to be supplied & its make mentioned in schedule B & Clause no 20 of Section V obtain approval of EIC	21 days from the date of receipt of LOI
10	Copy of RC Books & relevant documents of vehicles to be submitted by the contractor during the contract period	21 days from the date of receipt of LOI

2. Payment Terms:

(The Clause No. 7 of Section –II is replaced as under)

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

(a) (1) Monthly running bill account payment.

Monthly payment will be released on the submission of bill in the prescribed format along with invoice in triplicate and spiral binding of following documents

Documents to be submitted	
1	Tax invoice
2	Copy of Labour Licensee issued by ALC (if applicable and to be given only once except in case extension or issue of new labour license after it's validity period)
3	Duly filled in labour report for the billing period
4	Statement showing the name employees engaged during the billing period, designation, minimum monthly pay (basic pay + DA) as declared by the central government for area C from time to time and actual monthly pay paid.
5	A copy of the bank statement/pass books showing the corresponding amount of payment credited during the billing period. The salary is mandatory to be credited in the bank account of the staff engaged by the contractor.
6	TPIA certification of billing period.
7	Compliance of the observations, if any, raised by TPIA during previous bill.
8	A certificate that PPE kit has been provided to the staff engaged by the contractor.
9	Copy of insurance policy (To be given only once except in case of extension or renewed insurance policy)
10	A certificate mentioning about any change in the staff engaged during the billing period. If any changes in staff has been made, the staff profile as per Clause no 14 of Section V and their police verification certification are required to be submitted.
11	In case any staff has booked in shift in continuation of duty before his allotted shift, the contractor is required to pay overtime to such staff as per the prescribed rate of government. In this regard, a statement showing the details of staff booked on overtime, overtime hours, rate and total amount of overtime need to be submitted. Such overtime amount should reflect in the monthly payment, failing which such amount of overtime at double rate will be adjusted from the monthly account bill of the contractor and will be released only after overtime payment is released to the staff engaged by the contractor. In case no staff has been booked in overtime during the billing period, a "nil" statement needs to be submitted.
12	Submission of muster roll of the billing period mentioning the name of staff engaged by the contractor. The muster roll should match with the attendance sheet. This will be the base for ascertaining pay and overtime of staff.
13	A statement showing the status of the all activities for which penalties is to be levied. In case of not imposition of penalty, a "nil statement is required to be submitted.

14	A copy of combined challan generated from website of Employees' Provident Fund Organization and a challan statement prepared by the contractor showing the details of deduction of subscription at the applicable rates (present rate is 12%) done by the contractor from the salary of the staff engaged by the contractor for the work should be submitted. In the challan statement the PF No. And UAN No. of each staff engaged by the contractor should invariably mentioned. No postponement of the provident fund deduction will be allowed.
(i) 1st RA bill will be accepted for payment only after receipt of the material as per Sr. No. (1) of Table - 1 of Section - III. (ii) The RA bill for payment for the ARC period after each quarter from the date of issue of work order will be accepted after (1) receipt of the material as per Sr. No. (1) & (2) of Table-A of Section-III. (iii) The payment of final bill will be subject to handing over of port quarter and office spaces, if any, allotted to the contractor and clearance of all outstanding dues. (iv) The payment from 2nd bill to pre-final bill, shall be released, subject to the condition that the documentary evidence (copy of paid challan in government treasury) of the welfare cess @ 1% of work done or as amended by statutory authority from time to time, paid to concerned authority is submitted for the previous bill.	
(2) The payment in respect of Part-B will be regulated as under (i) 100% payment will be release after receipt of material at site in each quarter in good condition and after inspection & acceptance of materials by DPA and certified by TPIA. (ii) 100% of item rate after completion of erection/Stringing/laying/fixing/Installation testing & commissioning of supplied items at site in satisfactorily as per tender condition and after inspection by DPA and certified by TPIA.	

The schedule of delivery of material is as under:

Table - A		
Sr. No.	Quantity of material	Delivery schedule
1	25% in Each quarter of quantity of each item of Part B of Section VI (Except for those item of Part B which cannot be supplied in part for Example item no. 1,2,3,7,18 20,22,23) in part B may be supplied in Part or full quantity as decided / approval of Engineer-in- Charge	1. In the First Quarter 25% of each item of Part B is to be supplied Within 30 days from the date of issue of work order. 2. In the Second Quarter 25% of each item of Part B is to be supplied on Seventh (7)) month from the date of issue of Work order along with approval of the Item/ quantity of material from the Engineer-in- Charge.. 3. In the Third Quarter 25% of each item of Part B is to be supplied on Thirteenth (13) month from the date of issue of Work order

		along with approval of the Item/ quantity of material from the Engineer-in- Charge.. (material should be supplied within 15 days in each quarter)
2	Remaining (Final) 25% Quantity of each item of part B material is to be supplied after getting approval of the item / quantity of the material the Engineer-in- charge. The material if it is excess at site and same is not required for the remaining part may not be supplied by the contractor	1. In the Final Quarter 25% of each item of Part B is to be supplied on nineteenth (19) month from the date of issue of work order along with approval of the Item/ quantity of material from the Engineer-in- Charge.
Note: No part supply of the quantity will be accepted. Also in 2nd , 3rd & 4th Quarter Prior approval is to be taken for the material to be supplied from the Engineer-in-charge, If any of the items remains in stock or not required in any quarter period as per the opinion of the Engineer –in-charge material the same shall be kept out of supply		

3. Insurance:

(The Clause No. 8 of Section-II is replaced as under)

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

- loss of or damage to the works, plan and materials
- loss of or damage to equipment
- loss of or damage of property (except the works, plant, materials and equipment) in connection with contract, and
- personal injury or death.

4. Liquidated Damages/Penalties:

(The Clause No. 11 of Section-II is replaced as under)

4.1 Tools and tackles :-During the inspection if any measuring instruments mentioned in scope of work **Clause No. 20(A) (Section V) & Tools Mentioned in Clause no 20(B)** which is required to be updated as per **Annexure-2** by the contractor during the contract period as per the tender condition, if any of the item not available / non-working at site, any time during the contract period penalty at the rate of Rs.: 1000/- per instrument per day and Rs. 500/- per tool per day and part thereof will be recovered from the contractor till the time the tools are brought back by the contractor. If same item is carry forward after the period of 2 months, the penalty will be doubled

4.2 Manpower: - If manpower mentioned above Clause No. 14 of Scope of Work (**Section V**), shall not report on any day same shall be treated as non-deployment of staff on that days/day. In that case the penalty for Site Engineer, Site Supervisor, Electrician, Helper & Sweeper whosoever absent on that day will be imposed. However, penalty amounting to Rs. 2000/- per day for Site Engineer, Rs. 1800/- per day for Site Supervisor,

Rs. 1500- per day for Electrician & Wireman, Rs 1200/- day for Helper / Housekeeping assistant whosoever absent on that day.

If any staff for the entire contract, Quiet the service or proceed on leave for more than 45 days, then the contractor shall provide the replacement within one month /30days till then the contractor can manage the schedule of man power on Overtime for the staff working in shift. However, in the case of General shift penalty of Rs 2000/- will imposed per day in short fall of staff in General shift in all the category manpower after the period of 7 days till then manage the schedule of man power shortfall on Overtime

- 4.3 Restoration in HT power supply:-** In case if the contractor fail to restore the HT power supply within stipulated time period 2 hrs. after intimation (through mobile/text message/ WhatsApp /email or through any other mode of communication which will be subsequently recorded in site order book also) except for major breakdown like cable fault/ transformer fault, PGVCL incomer failure the penalty of Rs. 1000 per hour and part thereof will be levied for the period of first 24 hrs. after which double the amount will be charge uptill the restoration of power.
- 4.4 Restoration in LT power supply** In case if the contractor fail to restore the LT power supply within stipulated time period 2 hrs. after intimation (through mobile/text message/whatsapp/email or through any other mode of communication which will be subsequently recorded in site order book also) except for major breakdown like cable fault/ transformer fault, PGVCL incomer failure the penalty of Rs 500 per day uptill the restoration of power.
- 4.5 Time limit for cable fault:-** The maximum time allowed to finding fault after intimation (through mobile/text message/whatsapp/email or through any other mode of communication which will be subsequently recorded in site order book also) and fixing the same is 48 hours for LT cable and 24 hours for HT cables failing which Rs.2000.00 per fault per hour and part thereof will be levied.
- 4.6 Time limit for Executing Part “B” Item:-** In case if the contractor fail to start the execution of the work of any item in **Part “B”** within stipulated **lead time of 6 hrs.** after intimation **through mobile/text message/what sup/email or through any other mode of communication** which will be subsequently recorded in site order book also) then penalty of **Rs 200/- per hour after the dead line of 6 hr** will be implemented till the work is started. However, if the work is prolonged or not completed within the stipulated period intimated through temporary work order or intimation letter then penalty of **Rs 500/- per day** will be implemented to the contractor. However, if the quantum of work or any hurdle comes during execution than grace time will be given for execution provided the contractor should execute the work with required manpower, tools & tackle within the time limit.
- 4.7** During the execution of any Item of Part “B”, the contractor should immediately arrange Manpower for any work entrusted of Part B of Schedule “B” along with Gate pass / copy of Adhar Card or permission letter for entry into restricted area with the necessary equipment & tools required at. The manpower of Part A will not be entertained, if any manpower of **Part “A”** is utilized in execution of any item of **Part B”** then penalty of **Rs 10,000 /-** will be deducted from the particular item of **Part “B”**.

4.8 Non-availability / Non- working of Mobile set.

The communication system (Mobile Phone) should be available 24x 7 in working condition, the contractor site-in-charge / Electrical Supervisor/ Electrician should update the position of the Lighting & power supply condition to the Engineer-in –charge / DPA in-charge in every shift and form a Whats App group. However, if for any reason the site office phone is out of order immediately it should be repaired or replaced by new phone at site if the phone is not available at site for more than 12hr's then penalty of Rs 500/- per hour will be imposed till the availability of the phone at site.

4.9 Poor workmanship.

If during Inspection if any work carried out is of temporary in nature and if the work done without following safety norms, then penalty per incident of Rs 500/- will be levied on the contractor. (work such as temporary Cable joint/ excavation not properly covered / Cleaning of vegetation around the street light pole/Light pole/Around 2 pole & 4 pole structure / tower / Distribution panel door damage or not closed properly / junction box open etc all this will come under poor workmanship).

4.10 Cable Fault Locater Machine should be made available within 01 hr at site, Otherwise penalty of Rs 1000/- will be imposed on hourly basis to the contractor. If the machine is under breakdown during that period the contractor should arrange alternate arrangement of bringing the m/c on rent and locate the fault.

Normally all the faults should be attended within 04 hrs on getting intimation of fault through any media, failure for not attending on time for which penalty Rs 500/-will be imposed on hourly basis for the delay on the contractor, provided if there is any firm reason of delay on reaching at site then the same will be decided by EIC / AE(E) on merit basis.

In case if manual excavation is required, then the contractor shall arrange the labour. However, if excavation is to be done by excavator then Excavator along with driver should reach at site within 2 hrs. the case is same for the HDD machine & operator, for Non- availability of labour / any machine at site within 2 hrs. the penalty of Rs 500/- will be imposed on hourly basis. However, in case of traffic jam if the machine is unable to reach at time then no penalty will be imposed for delay on account. If any maintenance is to be carried out in the machine prior approval from EIC / AE(E) to be obtained. Also, in case of Breakdown of any of the machines, the contractor shall inform to the site in-charge for repairing of the same stating the approximate time required for it. For maintenance/breakdown takes more than 08 Hrs. then the contractor make alternative arrangement, otherwise, penalty per hour of delay will be imposed on the contractor.

4.11 Shortfall of consumables

As per Clause No. 13 of scope of work (**Section V**) the quantity of Consumables shall be maintain & same should be re-cooped and to be deposited in cranes sub division store every month (i.e. 1st week of every month). The said consumable will be issued on production of Requisition by contractor duly signed by DPA representative. If the consumable is not maintained by Contractor the penalty amounting to Rs: 100/- per one week per item after that double the rate will be charged per item per week till the consumable not updated in DPA store.

4.12 Vehicle :- If the vehicle mentioned in schedule Part A for item no 2 (a), (b) is not made available on any working day, penalty at the rate of Rs 500/- per hrs will be levied till the vehicle is made available relaxation will be given for servicing of vehicle once in a month for 8hrs period. Log book should be available in individual vehicle and same is to be maintained in each Shift with signature of Contractor supervisor / site in-charge with name

of driver and Kilo Meter operated and same should be verified by DPA in charge in each shift, If any log book of the vehicle not maintained daily, then penalty of Rs 1000/- per day per vehicle will be imposed.

4.13 Non-use of PPE by the staff engaged by the contractor.

In case if it is noticed that any of the staff engaged by the contractor are working on the site without wearing Dress and Personal Protective equipment mentioned in scope of work, penalty of Rs. 1000.00 per person per incident will be levied on the contractor.

4.14 Delay in the submission of documents:- If any delay in the submission of the documents mentioned at **clause no.** of Scope of work III, penalty of Rs. 1000.00 per day and part thereof will be levied till completion of complete documents.

4.15 Maintain Staff Duty Roaster:-Contractor should submit the duty roaster 1 week prior duly signed by the Engineer-in-engineer and same to be updated in group WhatsApp and notice board both in cargo jetty substation and 13 berth substation and accordingly the staff should follow the duty roaster and accordingly report on work place, if any person coming in wrong shift same will be marked absent and penalty will be levied as per CI no. 4.2 (short fall of staff).

Maximum penalty will be 100% of the contract value.

5. Employer's Obligation:

(The Clause No. 30 (I) to (iv) of Section-II is replaced as under)

- (i) Two quarters will be allotted DPA at Kandla Colony on chargeable bases as per prevailing license fee, water charges, sanitation charges and electricity charges as per DPA Norms during the tenure of contract subject to availability and the same shall be handed over by contractor on completion of contract to DPA, failing which standard rent as per prevailing DPA norms will be deducted & stern action will be initiated.
- (ii) Subject to availability and on chargeable basis, for room for office purpose and for keeping tools, tackles, consumables etc. will be allotted and its electricity bill is also to be borne by contractor as per DPA Norms.
- (iii) Providing transformer oil to the contractor free of cost for oil filtration of transformers.

6. Third Party Inspection:

(The Clause No. 46 of Section-II is replaced as under)

DPA shall appoint the TPIA for monitoring the AMC work, if any observations/queries are made by Third Party Inspection Agency; the same shall be complied by Contractor before the next schedule visit. The TPIA / DPA Engineer-in-charge will check and certify the same. Payment for subsequent month may withhold if any quarries raised by TPIA are not complied by AMC Contractor (under the scope of AMC works). The charges incurred for Third Party Inspection Agency will be borne by DPA.

7. Tools & Tackles:

(The Clause No. 52 of Section-II is replaced as under)

All the tools and tackles as per **Clause no 20_** of Section V, will have to be arranged by the contractor at his own cost for executing the work. 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.

8. **Supply of material of particular brands/Make**

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. **Integrity Pact:**

The Integrity Pact duly signed by authorized person(s) with witnesses are to be submitted by the bidders along with the tender documents as per the format provided in Section XIV.

Bidders are required to sign the integrity pact (as per given below with the tender document), failing which their bid shall be liable for rejection. The “principal” means “Deendayal PORT AUTHORITY” and “Counterparty” 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 of 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 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.

10. 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
11. The Contractor on commencement of contract shall purchase required number of FRASMs at his own cost and install them at different duty points keeping in view convenience of workers. The contractor shall, in consultation with EIC (Engineer In-charge), decide number of FRASMs to be purchased and locations where these FRASM are required to be installed.
12. Onus to map the workers/labourers in FRASM initially and during the contact shall lie with the EIC. Also, after mapping, onus to immediately put FRASM into operation on commencement of contract shall also lie with the FIC.

13. The labourers/workers deployed by the contractors shall mark their attendance twice in a day (at the time of reporting at work site and at the time of leaving work site) with the help of FRAS Machines only. No manual attendance would be permitted, however in case of non-working of machine on a particular day or period, contractor will have to get approved the manual attendance recorded during FRASM breakdown period (max. 5 days) from the concerned HoD. Onus to keep the FRASMs in working condition shall lie with the contractor. The contractor shall also ensure to get the FRA he FRASMs repaired within period of 5 days
14. It shall be mandatory for contractor to generate monthly attendance reports with the help of FRASM and before attaching the same with RA bill, he shall obtain signature of EIC on it. The Contractor shall also attach approved manual attendance recorded during breakdown period of FRASM (if any) during that particular month along with RA bill.

**Signature & Seal of
Contractor**

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

SECTION IV
FORMS OF BID

Part – I

To be submitted by Bidders with their Bids

NOS. OF FOMAT	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

NOS. OF FORMAT	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/WK/2827)**
- (c) our tender shall be valid for the period of 120 days, from the date fixed for the tender submission deadline and it shall remain binding upon us and may be accepted at any time before the expiration of that period or any extended period.
- (d) If our tender is accepted, we commit to submit a performance guarantee for the due performance of the contract, as specified in specimen form for the purpose.
- (e) No Joint Venture / Joint Venture.

(f) Our firm, its affiliates or subsidiaries- including any subcontractors or contractors for any part of the contract – has not been declared ineligible by the port, under laws of India or official regulations.

(g) We understand that this tender, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract agreement is prepared and executed.

I. We understand that you are not bound to accept the lowest evaluated tender or any other tender or you can also split the work that you may receive.

II. We also make a specific note 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) i.e. last three financial years ending 31st march of the previous year	2021-22	
	2022-23	
	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 07years.	2017-18		
	2018-19		
	2019-20		
	2020-21		
	2021-22		
	2022-23		
	2023-24		

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.

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)

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 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.
- (f) 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:

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:

- (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)

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)

Form-8**LETTER OF AWARD FORMAT**

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.

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

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 contract price of Rs. _____ (Rupees _____ only) at the time and in the manner prescribed of the contract. 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

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

2. _____

Deendayal Port Authority

SPECIMEN BANK GUARANTEE 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. _____(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 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)

(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.

Name of signature of Bank Office

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

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 of in 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 Superintendent 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
 - (8) Remarks as to why the hindrance occurred

and justification for extension recommended.

3. Superintendent 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

Form-14

**(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.

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 Manufacture

SECTION-V

Scope of Work & Technical Specification.

1. This Annual Maintenance Contract shall be carried out on the basis of 24 X 7 for existing 11 KV Overhead transmission lines & network in the jurisdiction of Deendayal Port Authority.
The overhead line consist of.
 - i) 5.5 Kilometers, Single circuit 11KV line running from thermal 66KV Substation to New kandla to EMMAMI (SIPC).
 - ii) 4.4 Kilometers, Single circuit 11KV line running for Thermal 66KV Substation to AEGIS.
 - iii) 6.5 kilometers Single circuit 11KV line running from thermal Four pole structure to 7th Oil jetty.
 - iv) 15 Kilometer Single Circuit 8th Oil jetty running from thermal Four pole structure to 8th Oil jetty.
 - v) 1.5 Kilometer 1, 2, 3 & Oil jetty Substation 1 & From Port thermal 66KV substation.
 - vi) 10 Kilometer Overhead line, DP structure, Transformer & LT Panel along with 40 nos' of 20mtr High mast tower.
2. The Annual Maintenance Contract will be entered initially for two years for Part 1 & 2 of the Schedule, however the same is likely to be extended for further period of One year or up to the finalization of new AMC contract on the same rates and terms and conditions of tender by mutual consent and approval of DPA.
3. Area of Work: - Out Side Cargo Jetty Area, Tuna Area, Oil jetty Etc, including any other new area outside cargo jetty area/ Gopalpuri township / AO Bldg. etc entrusted by EIC, in case of exigency and Contractor has to manage complete tools & tackles with manpower and transportation.
4. However, if any new 11 KV infrastructure is developed, then in future, the same shall be maintained by Contractor, though it is not included in the present scope.
5. The scope of work consists of providing connection to HT or LT consumers by laying of transmission line from nearest power source, supply & fixing of 11 KV /LT accessories to complete the line etc. as the case may be & as per the site requirement and as directed by Engineer-In-Charge.
6. **The detailed scope of work** is as per Schedule-B and the quantities mentioned in Schedule – B are indicative and the payment shall be made as per actual quantity / work executed as per site requirement on monthly basis.
The scope of ARC Includes.
 - Fault finding & rectification of fault on tripping of existing overhead lines.
 - Fault finding both for H.T/ L.T cable which means fault finding, excavating the pin point fault location, jointing the cable by using Heat shrink cable jointing kit or M-Seal kit the complete work includes material, tools & tackles & man power for the cable to restore power within the stipulated time.
 - ARC for work of improving/strengthening or laying of new line.
 - Revamping the 11 KV Overhead Lines.
 - Providing new HT connection to consumer within the distribution license area of DPA.
 - Repairing / re-strengthening of damage pole/ bend pole from ground poles.
 - Earthing, (to provide board on each earthing chamber and mention the value on the board the board should be of metal sheet,
 - Loading / Unloading & shifting of materials from any location to site on 24X 7 basis.
7. The contractor is required to be best industrial practice in maintenance of the equipment under this contract.
8. **MAINTENANCE SPARES**
The items which cover only supply items in Schedule “B” shall be supplied by the contractor as per the following schedule for the first year of AMC.
 - (i) 25% of quantity of each of the individual item from **PART B of Schedule “B” (Section VI)** of Electrical item is **to be supplied within 30 days from the issue of work order** with written

intimation of Engineer-in-charge.

- (ii) The second quarter 25% of each item of part B of Schedule B is **to** be supplied on **7(Seventh) month from the issue of work order** with written intimation of Engineer-in-charge.
- (iii) The third quarter 25% of each item of part B of Schedule B is **to** be supplied on **13(Thirteenth) month from the issue of work order** with written intimation of Engineer-in-charge.
- (iv) Remaining final 25% Quantity of material of the Supply Items to be supplied after **19 months from the date of issue of work order** with written intimation of Engineer-in-charge.
- (v) However, whenever the quantity of **Electrical item supplied in Part B of schedule "B" item** by Contractor is exhausted within 2 year of ARC period and if any requirement arises prior to completion of the contract variation in Quantities of item in **Part B** of Schedule "B" shall be considered by DPA. 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.
- (vi) If any of the items remains in stock or not required in any quarter period as per the opinion of the Engineer –in-charge material the same shall be kept out of supply
- (vii) During Supply of material in each quarter 1, 2nd, 3rd & 4th Quarter Prior approval is to be taken for the material & make from the Engineer-in-charge,
- (viii) No part supply of the quantity will be accepted & material is to be supplied within 15 day.

9. The contractor shall keep all the tools and tackles including testing instruments separately for both part-1 & Part 2 at site during maintenance Contract.

10. Maintenance Schedule

- a) The contractor shall inform well in advance in writing for taking power shut down as and when required for preventive / periodical maintenance in order to intimate concerned port officials to enable them to make necessary arrangements during power shutdown. The above permission letter record should be maintained by the contractor in proper manner. Before executing any work, work Permit is to filled up by the contractor Supervisor / in-charge signed by DPA supervisor, sample of work permit is placed at section XI.
- b) At the time of maintenance work carried out on any 11KV line / substation which are feed from 66KV Substation line clearance is required to be obtained from the concerned official of DPA Supervisor / Junior Engg/ Asst. foreman etc. A line clearance register is to be maintained in the format given at XII.
- c) Contractor's Site in-charge has to submit the date of monthly maintenance schedule to be carried out of PART - 1 & Part-2 site. At the end of each month the Site in-charge should submit the maintenance report of each site of the maintenance carried out along with the LC register having both LC taken & return back dully signed by 66KV operator & DPA Supervisor I f applicable, daily maintenance & cleaning work should be carried out regularly.

11. The Contractor shall attend day-to-day maintenance work like housekeeping, cleaning of HT panels, Transformers & Compact substation etc .

12. Contractor should submit monthly bill within one week after completion one month AMC, along with the bill below mentioned documents should be submitted by Contractor all the connected register should be submitted to site office

- a) The contractor along with the RA bill Should submit all the documents mentioned in Section III Clause no 2 (payment Terms) with clear certification.
- b) Maintenance schedule daily/weekly & monthly of both part along with approved Schedule date chart of maintenance work schedule, power shut down register, LC register, Work Permit. Area wise equipment wise Register. Register, earthing resistance value of each earthing pit updated to be submitted.
- c) Staff attendance sheet for Part -1 & Part-2, approved Duty Roaster of the AMC staff, Daily Progressive Register having signature of the staff, Xerox copy of gate pass of AMC Staff, NOC of staff engaged in AMC work, up dated profile of the staff with left out & new Staff duly signed by Site in charge of Contractor.
- d) Overtime register & attendance register sheet,

- e) Site order book, tools & tackle register & updated site consumable material register with Requisition book.

13. **Consumables:--** During the contract period, Consumables as mentioned below is to be provided by Contractor at his own and has to maintain in the register and it is to be Deposit in DPA store and the consumable will be issued on production of requisition by Contractor.

Minimum quantity of consumables mentioned in **ANNEXURE- 1** is to be maintained within 7 days of commencement of every month (monthly billing) during currency of Maintenance Contract. and shall be verified by Engineer-in-Charge, if any shortage found penalty will be levied for each item per week if shortfall of same item is repeated next month than penalty will be double per item per week till the consumable not updated in DPA store. Consumable for Part -1 & Part-2

The deposit of the consumable item should be done in DPA store and produce the Availability of consumable in store from the store keeper while producing the, monthly bill,

ANNEXURE- 1

CONSUMABLES			
Sr No	Description	Minimum Qty for PART-1	Minimum Qty for PART-11
1	Araldite & M-Seal	250 gms. each	250 gms. each
2	Insulation tape / PVC tape	150 roll	150 Roll
3	H.T Tape /AVL Tape	10 Roll each	10 Roll each
4	Water proof flex adhesive sealant Tape	10 Roll	10 Roll
5	Space heater for Panels	10 no's	10 no's
6	11KV Insulation tape (Self amalgating & fusing) RS Pro / stanvac /3M	50 Nos.	50 Nos.
7	HC-80 (Anti Tracking Spray) make stanvac /ASV	10 tin's	10 tin's
8	Bitumen Impregnated Cotton Tape	15 Nos.	15 Nos.
9	WD-40/ Penetroil (make ASV/stanvec)	20 tin's	20 tin's
10	Anti rust spray (3M/TS-50 banna sprays/ stanvec		
11	Elepro 200 (Moisture Displacer) make ASV/ stanvec	10 tin's	10 tin's
12	Aluminum Foil Tape (Cravity Sealing Tape) make 3M/ stanvec	5 No	5 No
13	Scotch 23 (High Voltage Tape) make 3M/stanvec	10 no's	10 no's
14	Scotch fill Putty (Insulation Putty) make 3M/stanvec	5 No's	5 No's
15	Foam Tape (Gasket Form Tape) make 3M/stanvec	5 No's	5 No's
16	Water proof Tape heavy duty water leakage tape (150mm width & above).	05 Nos.	05 Nos.
17	On Line Contact Cleaner	10 Tins.	10 Tins.
18	Aluminum Foil Tape (Cavity Sealing Tape) make 3M/stanvec	10 Nos.	10 Nos.
19	PU Foam Insulation Sealant Spray make 3M/stanvec	10 Nos. each	10 Nos. each
20	Lugs & ferrule for LT cable size 35 to 120 sq.mm	100 Nos .each	100 Nos .each
21	Lugs & ferrule for HT cable size 35 to 120 sq.mm	50 Nos. each	50 Nos. each
22	Lugs & ferrule for HT cable size from 150 sq.mm up to 300Sqmm	50 Nos. each	50 Nos. each

23	IHKV HT & 1.1 KVLt Heat shrink Tubes.	20 no's each for HT & LT	20 no's each for HT & LT
24	Indication lamps LED type / lamp holder	100 each	100 each
25	Cotton waste /Muslin cloth	100 Kg /50 Mtr.	100 Kg /50 Mtr.
26	Stainless steel and washer	6mm x 40 mm 50No's 8mm x 40mm 50No's 10 mm x 40mm 50 No's 12 mm x 40 mm 50 No	6mm x 40 mm 50No's 8mm x 40mm 50No's 10 mm x 40mm 50No's 12 mm x 40 mm 50 No's
27	M.s Nut bolts and washer	06mm x 40 mm 50No's 08mm x 40mm 50No's 10 mm x 40mm 50No's 12 mm x 40 mm 50No's	06mm x 40 mm 50No's 08mm x 40mm 50No's 10 mm x 40mm 50No's 12 mm x 40 mm 50No's
28	HT Heat shrink wraparound sleeves for cable repair and joint outer re-jacketing 	a) Suitable for 150Sqmm 10no's. b) Suitable for 300Sqmm 06 no's. c) Suitable for 400Sqmm 04 no's	a) Suitable for 150Sqmm 10no's. b) Suitable for 300Sqmm 06 no's. c) Suitable for 400Sqmm 04 no's
29	LT Heat shrink wraparound sleeves for cable repair and joint outer re-jacketing .	i) Suitable for 10-25 Sqmm 10 no's. ii) Suitable for 35-50 Sqmm 15 no's iii) Suitable for 70- 95 Sqmm 10 no's iv) Suitable for 120- 185Sqmm 5 no's v) Suitable for 220- 300Sqmm 5 no's	i) Suitable for 10-25 Sqmm 10 no's. ii) Suitable for 35-50 Sqmm 15 no's. iii) Suitable for 70- 95 Sqmm 10 no's iv) Suitable for 120- 185 Sqmm 05 no's v) Suitable for 220- 300 Sqmm 05 no's
30	Steel weld (make Stanvac /Loctite/ JB weld)	5 tin	
32	<u>One Minute Epoxy Putty, (make Stanvac Z814 / horse brand /Loctite)</u>	5 Syringe	
33	Enamel paint (2.0Ltr) Tin Grey (make Berger / Asian/Jotun)	10Tin	10Tin
34	Enamel paint (2.0Ltr) Tin silver (make Berger / Asian/Jotun)	10 Tin	10 Tin
35	Enamel paint (2.0Ltr) Tin Brown (make STANVAC 2050 POLYHYB)	10 Tin	10 Tin
35	Red oxide (2.0Liter) Tin make (Berger / Asian/Jotun)	10 tin	10 tin
36	<u>Tinner (2.0Liter) Tin</u>	10 tin	10 tin
37	<u>Radium Patti</u>	5 mtr	5 mtr
38	<u>Brush small & big size</u>	10 no's each	10 no's each
39	<u>Danger Stand / Work in Progress</u>	10 no	10 no

Consumables are to be provided by the contractor during period of maintenance contract at his own cost for carry out routine maintenance as mentioned in tender. The mentioned minimum quantity of consumables shall be recoup every month during currency of Maintenance Contract. The list is not exhaustive. During the contract period, the contractor is required to bring any other required consumables at his own cost on the written instructions of EIC.

14. **Deployment of Manpower:** The Contractor shall deploy adequate skilled manpower to meet the time bound target given by DPA during the tenure of contract to restore the power supply. The required manpower to be deputed at Port Power House /Oil jetty on 24 Hrs. X 7 days basis in three shifts duty with a new utility type vehicle of not prior to 2025 R.T.O. passing. The vehicle shall be inclusive of separate driver in all 3 shifts, fuel (Diesel), lubricants & all type of maintenance. As and when any tripping occur in any of the Over-Headlines, Staff has to attend the site for patrolling, rectification of line fault and report to site supervisor of AMC & ARC contractor as well as Shift-In-charge of DPA. Minimum staff as mentioned in **ANNEXURE-2** are to be deployed in each shift round the clock in two gang with one Electrical Supervisor to monitor in Each Shift. However, in case of exigency, more no. of staff is to be arranged by the contractor to complete the work / rectification of fault for restoration of power supply or release of new connection.

The following minimum manpower shall be deployed by the Contractor to carryout effective maintenance & restoration of Over Head power as per the instructions of the Engineer-in-charge. The manpower deployed in two part, one part-1 of manpower will attend the call of overhead line of DC-1, DC-2, SIPC & Aegis while other part-2 will attend the call of overhead line from thermal substation to Oil-jetty 1 to 4, Oil jetty 7, Oil jetty -8 & 10Km line of KK Road. However, the supervisor will monitor both the team.

Staff mentioned in the chart shall be posted as per their location separate attendance register & DPR should be maintained as per the location and separate Daily progress report book in which signature of individual person should be there & duly verified by DPA in-charge stationed respective substation. General staff should be stationed at Power house substation for Part -1 & for Part -2 staff should be stationed at Oil jetty no 1 Substation as per the situation posting of the staff should be carried out from Power house Substation.

The above posting of the supervisor staff can be changed as per the situation arise and as per the requirement of DPA site in-charge i.e. JE / AE. The posting done to the staff should be informed through WhatsApp to concern officer.

STAFF PROFILE:

S/N	Designation	Requirement	Qualification	Experience
1	Electrical Supervisor	1 in Each Shift	Diploma in Electrical Engineering	Having experience of minimum 5 years in 11KV overhead lines.
2	Electrician	2 in each shift + 1 reliever	ITI in trade of Electrician	Having experience of minimum 3 years in 11 KV Overhead line & operation / Maintenance along with it he should have experience of climbing on all type of poles "OR" experience of having 2 years in 11 KV Overhead line & operation / Maintenance if he has apprenticeship training from any Electricity board OR if he has worked in previous ARC for complete 2 Yrs time period.
3	Lineman	4 in each shift + 2 reliever	ITI in trade of Lineman	Having experience of minimum 8 years in 11 KV Overhead line and also Experience of climbing on all type of poles "OR" experience of having 5 years in 11 KV Overhead line with apprenticeship training / worked in previous ARC for complete 2 Yrs.
4	Helper	6 in each shift + 3 reliever.	SSC Pass certificate	Should have at least 1yr work experience in Overhead line work & knowledge of 11KV Overhead lines tools & equipment's for the above work.

5	Helper (Un-skilled)	5 in General Shift	Nil	Certificate not essential however, they should have knowledge of electrical field and work under electrical contractor specially excavation of cable fault.
6	Vehicle Driver	1 in each shift + reliever		Having knowledge of Over Head line material & tools Should have 4 wheeler License & Adhar card
Vehicle: Vehicle including 24 Hrs. driver, fuel (Diesel),lubricants & maintenance. Min. running of vehicle will be 3000 KM per Month. (Vehicle Model: 2024-25)				

Note:

- 1) Deployment of above staff is for Item No. 1 of Part-A only along with DPA Gate pass, and follow the model duty roster.
- 2) For execution of items of Part-B; separate man power to be deployed as and when required during execution of work DPA Gate pass is required. However, Vehicle if ideal can be used during execution of items of Part.

15. The duties and responsibility of staff Deployed during the Annual rate contract period.

- (1) **Site Supervisor:** The Site Foreman /Electrical Supervisor shall be in charge during Shift on behalf of Contractor at the site of work specified in the Tender and fully responsible to attend the breakdowns/faults during his shift and reporting to his Site Engineer.
 - Attending of 11KV HT/LT / UG/OH cable complaints including service connections as informed by Site Engineer along with available staff.
 - Feedback collection after attending of completes from the customer/ user.
 - Reporting of works attended to DPA in charge.
 - Recording of details of works executed, rectifications / repairs.
 - Efficiently utilizing of staff providing for repair / ratification & solving of complaints recorded / reported from time to time.
 - Safety of staff provided for work, proper usage of PPE.
 - Communicating with the representative of DPA from time to time for further guidance / instructions from Engineer-in-Charge or superior officials.
 - Issue of Line clearance & normalization of HT / LT Electrical shutdowns works & breakdowns works as per DPA procedures.
 - Troubleshooting and breakdown Maintenance of electrical equipment's..
 - Material shifting within site including to / from sub-stores.
 - Record keeping of Maintenance activities of shifts in Registers and on Computers. Daily log book should be updated of individual substation from cargo jetty
 - Coordinating with the GETCO staff for attending complaints regarding LT / HT service connections will be entrusted.
 - No idle time will be entertained. In case non-receipt of any complaint the pending complaints received by the officer-in-charge / noticed during the preventive maintenance will be entrusted.
 - Operate all outdoor & indoor switchgear and maintain trouble free power supply

(ii) **Electrician / Lineman:**

Work on poles, PSC poles, DP/Four Pole structures, HT & LT cables, sub-station equipment, lighting etc., as directed by the Site Engineer / Site Supervisor of Firm and shift engineer / in charge of DPA.

- He should have the knowledge of operating the 11/0.433KV substation equipment and maintain register properly in each Substation. Taking proper safety during switching on /off the H.T/L.T Switch Gear.
- All the safety equipment should be utilized and power break down time should be noted in the S/S register, Every hour current reading should be noted in the log book of the Substation posted by DPA shift-in-charge

- Attend the complaints related to High mast tower, Lattice tower, pathway lighting, street lighting also if required switching ON & OFF of the lights are to done by the electrician and accordingly submit the detail report area wise
 - Attend the complaints related to pump house, gen sets, panels, HT /LT cables, control schemes etc.
 - Work on pump houses, various starters, gen sets, LT / HT panel boards, lighting etc., as directed by Site Supervisor/Site Engineer (Contractor) and shift in charges (DPA).
 - Trimming & cutting of tree branches falling on HT /LT overhead lines / cable trench line, panels etc.
 - During any major work care should be taken to take line clearance from particular substation with his name and signature noted in the register with (Do NOT OPERATE) board fixed on the panel. Apart from above work he has to assist the electrician for the above mentioned work.
 - Electrician posted in respective area should maintain the log book of individual substation and note down the timings of power breakdown. He should note down in the log book the name of the person switching off the power with its signature and simultaneously during restoring period he should take the signature of the same person to avoid any accident. He should have full knowledge in operating the equipment installed in the substation any damage due to wrong operation then contractor will be held responsible & same repairs has to be carried by them at their own cost.
- (iv) **Helper to artisan** shall assist Electrician/wireman/lineman in their work and time to time work given by Site Supervisor/ Electrical Supervisor during shift such as excavation during cable fault etc. The Contractor should engage some of the helper expert in excavation in any type of Soil.
- (v) **Housekeeping Assistant:** - The House keeping Assistant: should daily sweep all the Substation periodically manner as instructed by EIC.

16. Responsibilities of Contractor:

- It is fully the responsibility of the contractor to deploy qualified Site Engineer, Site Foreman, Electricians and Wiremen on experience, relevant License/permits to handle electrical equipment's, etc., as applicable. The Contractor has to submit the Notarized Aadhaar Card/Election Card, Educational & Experience.
- Certificates of his deployed personnel along with Profile of Staff. In case of Helper to Artisans, the Notarized copy of Aadhaar Card/Election Card shall be submitted along with Profile of Staff. No person below 18 years should be deployed for Maintenance Contract. The deployed personnel of Contractor should be well conversant with Indian Standards, Indian Electricity Rule and acts as applicable and should have knowledge of electrical and Industrial safety practices.
- Contractor will ensure consistency of work and work force, correct trouble shooting, good workmanship, follow all safety procedures and will make all necessary efforts to maintain healthy environment and reliable services.
- If any of the staff member appointed by Contractor is found to be 'not competent', he has to be replaced by a right person within a stipulated time as instructed by Electrical Engineer- In-charge
- In no case, the contractor or his/her employees shall claim job / employment with DPA. No transport facility shall be provided for the contractor or his employees.
- It is purely contractor's responsibility to get his staff acquainted/trained with the site conditions, operation and maintenance procedure, equipment detail, safety devices, scope of work etc.,
- Contractor will be responsible for any act of theft, sabotage, misdeed, indiscipline, and negligence on the part of contractor or his employees. Penalty or legal action, as decided by EIC shall be imposed on the contractor.
- The contractor or his supervisor shall meet the EIC or his nominee every day to receive the details of issues / complaints to be attended and after attending to these complaints, a report on the same has to be submitted to the concerned Officer.
- The contractor shall maintain Cell phones (Android type) round the clock for with internet facility for video conference & communication **One set for part-1 Staff, One set for part-2 Staff, One set**

for Oil jetty 8th berth Electrician & One set for ARC Supervisor for controlling ARC staff of both part at the cost and responsibility of the Contractor. .

- The Contractor shall provide his office set up with table and at least five no's chairs, one cupboard and latest version of 2025 Desktop Computer set with Xerox cum printer all the documents submitted to DPA should not be hand written.
- The contractor is responsible for restoring power in case of faults occurring in the above-mentioned areas. The contractor must ensure that their deployed personnel are equipped with all the necessary tools and resources required for prompt and effective troubleshooting and resolution of electrical issues. This includes having access to testing equipment, replacement parts, and any other tools deemed essential for restoring power.

17. DPA will not be responsible for death, accident or injury to the Contractor's employees engaged by him, which may arise in the course of their duty at our premises, nor shall we be responsible and be liable to pay damages or compensation to such persons or to third parties. The Contractor shall at all times indemnify and keep DPA indemnified against all claims which may be under the Workmen's Compensation Act, 1923, or any statutory modifications thereof or otherwise for or in respect of any damages or compensation payable in consequence of any accident or injury sustained by any workman or other person/ person at the Centre or premises, building, equipment's etc. is attributable to the Contractor or his workmen, such damages shall be made good by the Contractor or his workmen, such damages shall be made good by the Contractor.

18. **WORKING DAYS AND HOURS:**

The working days for the maintenance contract will be all days throughout the year. The working hours for day to day maintenance will be as follows:

- a). General Shift: 09.00 Hrs to 17.00 Hrs.
- b). 1st Shift 07.00 Hrs to 15.00hrs
- c). 2nd Shift 15.00 Hrs to 23.00 Hrs.
- d). 3rd Shift 23.00 Hrs to 07.00 Hrs.

Accordingly, Contractor shall prepare the Duty Roaster and same shall be submitted to the Engineer-in-charge and the staff should follow the duty roaster, no staff will be entertained to violate the roaster and will be marked absent.

Arrival & Departure of staff should be well-planned to up-keep the maintenance requirement. Punctuality should be maintained at site any person coming late will not be tolerated a grace period of 10 minutes will be accepted above 10 minutes period absent will be marked against the above candidate. Prior permission should be obtained by the Engineer-in-charge for coming late in written only in that condition he may be allowed to attend his duties. The staff should leave the site at end of each shift only after arrival of staff of next shift if any person leaving the site before time the person will be marked absent.

Model Roster for Service Engineer, Site Supervisor, Technicians, Helpers for both Part 1 & 2. Of ARC team To be submitted to Site in-charge every month along with Gate pass zerox. Copy of the staff.

MODEL DUTY ROASTER FOR STAFF PART -2

	Mo	Tue	We	Th	Fri	Sa	Su	Mo	Tu	We	Th	Fri	Sat	Su	Mo
Site Supervisor (1)	W	1	1	1	1	1	1	W	3	3	3	3	3	3	W
Site Supervisor (2)	1	W	3	3	3	3	3	3	W	2	2	2	2	2	2
Site Supervisor (3)	3	3	W	2	2	2	2	2	2	W	1	1	1	1	1
Site Supervisor (R)	2	2	2	2	2	2	W	1	1	1	2	2	2	W	3
Electrician (1)	W	1	1	1	1	1	1	W	3	3	3	3	3	3	W
Electrician (2)	1	W	3	3	3	3	3	3	W	2	2	2	2	2	2

Electrician (3)	3	3	W	2	2	2	2	2	2	W	1	1	1	1	1
Electrician (1)	2	2	2	W	1	1	1	1	1	1	W	3	3	3	3
Electrician (2)	1	1	1	1	W	3	3	3	3	3	3	W	2	2	2
Electrician (3)	3	3	3	3	3	W	2	2	2	2	2	2	W	1	1
Electrician (R)	2	2	2	2	2	2	W	1	1	1	2	2	2	W	3
Helper (1)	W	1	1	1	1	1	1	W	3	3	3	3	3	3	W
Helper (2)	1	W	3	3	3	3	3	3	W	2	2	2	2	2	2
Helper (3)	3	3	W	2	2	2	2	2	2	W	1	1	1	1	1
Helper (1)	2	2	2	W	1	1	1	1	1	1	W	3	3	3	3
Helper (2)	1	1	1	1	W	3	3	3	3	3	3	W	2	2	2
Helper (3)	3	3	3	3	3	W	2	2	2	2	2	2	W	1	1
Helper (R)	2	2	2	2	2	2	W	1	1	1	1	1	1	W	3
Lineman (1)	W	1	1	1	1	1	1	W	3	3	3	3	3	3	W
Lineman (2)	1	W	3	3	3	3	3	3	W	2	2	2	2	2	2
Lineman (3)	3	3	W	2	2	2	2	2	2	W	1	1	1	1	1
Lineman (1)	2	2	2	W	1	1	1	1	1	1	W	3	3	3	3
Lineman (2)	1	1	1	1	W	3	3	3	3	3	3	W	2	2	2
Lineman (3)	3	3	3	3	3	W	2	2	2	2	2	2	W	1	1
Lineman (R)	2	2	2	2	2	2	W	1	1	1	2	2	2	W	3
Helper (1)	W	1	1	1	1	1	1	W	3	3	3	3	3	3	W
Helper (2)	1	W	3	3	3	3	3	3	W	2	2	2	2	2	2
Helper (3)	3	3	W	2	2	2	2	2	2	W	1	1	1	1	1
Helper (1)	2	2	2	W	1	1	1	1	1	1	W	3	3	3	3
Helper (2)	1	1	1	1	W	3	3	3	3	3	3	W	2	2	2
Helper (3)	3	3	3	3	3	W	2	2	2	2	2	2	W	1	1
Helper (R)	2	2	2	2	2	2	W	1	1	1	1	1	1	W	3

MODEL DUTY ROASTER- PART -1

	Mo	Tue	We	Th	Fri	Sa	Su	Mo	Tu	We	Th	Fri	Sat	Su	Mo	Tu
Shifting Staff for PART -1 Attending & Monitoring of 11KV Over Head Line of Outside Cargo Jetty (DC-1,DC-2, SIPC & Agies)																
LINE MAN																
Lineman (1)	W	1	1	1	1	1	1	W	3	3	3	3	3	3	W	2
Lineman (2)	1	W	3	3	3	3	3	3	W	2	2	2	2	2	2	W
Lineman (3)	3	3	W	2	2	2	2	2	2	W	1	1	1	1	1	1

Lineman (1)	2	2	2	W	1	1	1	1	1	1	W	3	3	3	3	3
Lineman (2)	1	1	1	1	W	3	3	3	3	3	3	W	2	2	2	2
Lineman (3)	3	3	3	3	3	W	2	2	2	2	2	2	W	1	1	1
Lineman (R)	2	2	2	2	2	2	W	1	1	1	2	2	2	W	3	3
HELPER																
Helper (1)	W	1	1	1	1	1	1	W	3	3	3	3	3	3	W	2
Helper (2)	1	W	3	3	3	3	3	3	W	2	2	2	2	2	2	W
Helper (3)	3	3	W	2	2	2	2	2	2	W	1	1	1	1	1	1
Helper (1)	2	2	2	W	1	1	1	1	1	1	W	3	3	3	3	3
Helper (2)	1	1	1	1	W	3	3	3	3	3	3	W	2	2	2	2
Helper (3)	3	3	3	3	3	W	2	2	2	2	2	2	W	1	1	1
Helper (R)	2	2	2	2	2	2	W	1	1	1	1	1	1	W	3	3
HELPER (Unskilled)																
Helper (1)	2	2	2	2	2	2	W	2	2	2	2	2	2	W	2	2
Helper (2)	2	2	2	2	2	2	W	2	2	2	2	2	2	W	2	2
Helper (3)	2	2	2	2	2	2	W	2	2	2	2	2	2	W	2	2
Helper (4)	2	2	2	2	2	2	W	2	2	2	2	2	2	W	2	2
Helper (5)	2	2	2	2	2	2	W	2	2	2	2	2	2	W	2	2

19. DOCUMENTATION

- Overhead Equipment's parameters should be recorded in daily logbooks. Detailed inventory records like Consumables, materials movement, material consumption; materials disposed etc. also should be maintained. In all documents, for each work, contractor should get signature from Engineer In-charge (Electrical) or his nominees.
 - Detailed inventory records like materials movement, material consumption, materials disposed etc. also should be maintained. In all documents, for each work, contractor should get signature from Engineer In-charge (Electrical) or his nominees.
- Following Register is to be strictly maintained by AMC Contractor during AMC period as the Contract Labour (Regulation & Abolition) Central Rules, 1971
 - Muster Roll Register Form No:-16.
 - Register of Wages i.e. Form No:-17.
 - Register of overtime i.e. Form No: - 23.
 - Register of advance pay i.e. Form No:-22.
 - Register of accident, major accident & dangerous occurrence i.e. Form No:-29
 - Register of Workman employed by Contractor i.e. Form No:-13.
 - A. Profile of staff personnel for posted staff during AMC period.
 - B. Consumable register & Store Requisition.
 - C. Tools and Plants.
 - D. Entry Permit of Staff & Vehicle (Gate Pass).
 - E. Maintenance Register of High Mast
 - F. Earthing value register to be maintained every month as per EIC.
 - G. Duty Roaster 3 copies
 - H. Power failure register

All the documents prepared by the contractor will be the property of DPA. The contractor will not share the information contained in the above said log books registers with any outside person without written permission of EIC. The contractor will hand over the logs and registers to DPA at the time of completion of contract period.

20. Tools & tackles

The contractor should supply **tested & Calibrated measuring instruments** and maintain the register & documents of the calibrated measuring tools. the same should be calibrated before the start of 2nd year ARC period updated

Following measuring instruments after the date of issuance of LOI should be available at site for Part -1 & Part-2 ARC.

A) Measuring Instruments

Sr No	Description	Quantity of Measuring Instruments of PART-1	Quantity of Measuring Instruments of PART-2
1	Multi meters(Fluke / Megger / Motwane)	1 No	2 No
2	Lux meter (Fluke make)	1 no	2 No
3	5000V Megger (Fluke /Motwane make) (digital)	2 No	2 No
4	Earth resistance measurement instrument (0.1 Ohm LC) with kit (Fluke / Motwane make)	1 No	1 No
5	Phase sequence meter. (Fluke / Kyoritsu)	1 No	
6	Tong tester. (Fluke / Megger / Motwane)	1No	2 No
7	Underground Cable live detector	1 No	

B) Tools & Tackles

Sr No	Description	Quantity of tools of PART-1	Quantity of tools of PART-2
1	Double end open spanner from size 6-7 to 30 – 32 size (Taparia / Stanley make)	1 Sets	2 sets
2	Double end ring spanner from size 6-7 to 30 – 32 (Taparia / Stanley make)	1 Sets	2 Sets
3	6-7 to 30 – 32 size (metric) set (Taparia / Stanley make)	1 Sets	2 Sets
4	Adjustable wrenches (12 inch) (Taparia / Stanley make)	1 Sets	2 Sets
5	Hydraulic Crimping tool Make Dowell's / Jaison	1 Sets	2 Sets
6	Allen keys set	1 Sets	2 Sets
7	Tubular spanner set (Taparia / Stanley make)	1 Sets	2 Sets
8	Star screw driver set (Taparia / Stanley make)	1 Sets	2 Sets
9	Screw driver set (Taparia / Stanley make)	2 Sets	2 Sets
10	Hammers each (1lb & 2lb)	2 Sets each	2 Sets each
11	Electrical Grinder of make (MILWAUKEE/MAKITA / DeWalt/ BOSCH)	1 No	1 No
12	Battery operated Grinder along with extra battery of below mentioned make (Milwaukee make model 18VDC, 61UU61 “OR” DeWALT make model 18V XR Cordless Die Grinder Brushless DCG426P2-QW, “OR”	1 No	1 No

	Bosch make model GWS 18V-7 125mm Cordless Angle Grinder)		
13	Hammer Drill Machine (MILWAUKEE/MAKITA / DeWalt/ BOSCH)	1 No	1 No
14	Battery operated Drill M/c with extra battery of below mentioned Make (Dewalt make, DCD9962P2-QW or Bosch make, GDS 18V 1050 cordless, Makita make-DDF458RFE)	1 No	1 No
12	High voltage discharge rod including operating rod	2 Sets	2 Sets
13	Dual mode Air Blower (Normal and Heating Mode of make MAKITA / DeWalt/ BOSCH/ Ralli wolf)	1 No	1 No
14	Emergency lights with 4 Hrs, battery backup.	3 Nos.	3 Nos.
15	Cable Jointing Kit (Gas bottle & Burner)	1 Kit.	
16	Spade – 4 Nos.	3 Nos.	3 Nos.
17	Aluminium Ladder as site requirement Medium & Big each	2 Nos.	2 Nos.
18	RCC Breaker M/c with Drill Bit	1 No.	1 No.
19	3 Ph 32KVA DG set tyre /trolley mounted	1 no	
20	Pliers to every Electrician and Wireman	25 Nos.	25 Nos.
21	Line Tester to every Electrician and Lineman	25 Nos.	25 Nos.
22	Test lamps & torches to every Electrician and Lineman	25 Nos.	25 Nos.
23	Adjustable Electrical Pole Climbing shoes (80KG Capacity) 	10 Pair	10Pair
24	First aid kits at power house , estate office, oil jetty	5 Nos.	
The list is not exhaustive. During the contract period, the contractor is required to bring any other required measuring instrument and tools & tackles at his own cost on the written instructions of EIC.			

21.

Uniform & PPE:

The Contractor has to provide uniform to all the employees deployed for Maintenance Contract. Also all the employees of Contractor shall wear the uniform and PPE while on duty the uniform should be with company Logo.

The following PPE shall be provided by Contractor to his deployed staff during Maintenance contract.

Sr no	Description	For Staff of PART 1 &2
1	Helmet	For each Staff member
2	Safety Shoes	For each Staff member
3	Goggles	For each Staff member
4	Rain Coat	For each Staff member
5	Reflective Jacket	For each Staff member
6	H.T Rubber Hand Gloves	Each Site 2 no's
7	Face Shield (fire Proof)	Each Site 2 no's
8	Gum boot	For each Electrician /Linemen

22.

The work shall be carried out on Over Head & underground network. DPA will not be responsible for any compensation for any accident occurs to workman of the contractor for whatever reason

or failure of equipment in the working area. Contractor has to provide suitable safety & PPE equipment to his workers, and has to obtain Group Insurance for working at height of 12 Mtrs.

23. No idling charges will be paid by DPA. However, as per need, DPA may arrange outage on Sunday/holiday & the contractor is bound to execute the work.
24. The Contractor has to execute the work as per instructions given by Engineer- in-Charge or his nominee. If any of the work given by DPA in Part "B" of schedule "B" is not carried out by the contractor within the time period, the same will be executed by DPA or through outside agencies through quotation the cost will be recovered from the RA Bill of the contractor.
25. Scope of work includes sufficient man power (on 24 X 7 basis) with necessary advanced tool & tackles and vehicle to carry out allotted work within stipulated time limit.
26. The Pole shall be supplied & erected properly with suitable identification indicator at every pole for each network, which also includes mugging to pole by C.C. mix.
27. The contractor shall quote the rate for Part-A per month basis to attend & Monitor the Trouble shooting, fault finding etc. consisting only deploying of manpower with related tools & tackles to attend the line faults like re- jumpering or making of blown D.O. fuses and other accessories urgently require to restore the power supply. Removing the excess sag of overhead line, tightening of stay, cross-arm etc. as per IS norms. The time frame for erection / installation / replacement of item is as under: Execution / erection of pole and its ancillary items are 24 Hrs. for each pole.
28. In the existing or new crossing of rail/road HT/LT cable, if got damaged for any reason, the same shall be attend by the contractor, to the satisfaction of the concern EIC/concern AE (E), Deendayal Port Authority. The rail/road crossing to be carried out with horizontal boring. The HDPE pipe required for horizontal boring is in the scope of contractor. However, the HT/LT cable will be supplied by DPA free of cost if available; otherwise the contractor shall arrange the same and the payment, for the supply of cable, shall be reimbursed by DPA on submission of invoice / bill from the supplier from whom the contractor has purchased after approval of competent authority. No excess payment will be made by the DPA on account of horizontal boring and excess manpower. The support for fault finding machine to locate the fault in U/G cable will be provided by DPA subject to availability. However, if fault finding machine is out of commission, contractor has to arrange fault finding machine for detecting fault. If during raining season or in case of rain, the site is inaccessible for HDD to restore power or otherwise all the arrangement at their own cost for HDD work shall be made by the contractor.
29. Latest Tools & Tackles, Man power & Material, elevated platform, excavator on hire etc. will have to be arranged by the Contractor to execute the work at 10-12-meter height or for excavation for any fault rectified by the cable fault locator, No facility will be provided by DPA and will not entertain any claim against it.
The broad details of each item & Technical Specification of the work are shown in the Schedule "B" are indicative but not exhaustive and the payment shall be made as per actual qty. /work execution as per site requirement. However, while submission of offer; bidder should visit the site and cover everything to complete the work in all respect.
30. The contractor should immediately arrange the Cable Fault Locator Machine within 01 hr at site, if not penalty will be imposed on hourly basis. If the machine is under breakdown during the above period, the contractor should arrange alternate arrangement of bringing the m/c on rent and locate the fault.

Normally all the faults should be attended within 04 hrs on getting intimation of fault through any

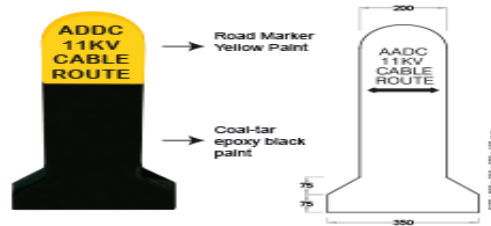
media, failure for not attending on time for which penalty will be imposed on hourly basis for the delay on the part of the contractor, if the contractor provides firm reason of delay on reaching at site then the same will be decided by EIC / AE(E) on merit basis.

Accordingly, if manual excavation is required, then the contractor shall arrange the labour for excavation. However, if excavation is to be done by excavator then Excavator along with driver should reach at site within 2 hrs. the case is same for the HDD machine & operator, for Non-availability of labour / any machine at site within 2 hrs. the penalty will be imposed on hourly basis. However, in case of traffic jam if the machine is unable to reach at time then no penalty will be imposed for delay on account. If any maintenance is to be carried out in the machine prior approval from EIC / AE(E) to be obtained. Also, in case of Breakdown of any of the machines, the contractor shall inform to the site in-charge for repairing of the same stating the approximate time required for it. For maintenance/breakdown takes more than 08 Hrs. then the contractor make alternative arrangement, otherwise, penalty per hour of delay will be imposed on the contractor.

31. If any cable, which cannot be buried, in that case, it shall be laid in DWC pipe of suitable size. Also, if any of the cables, while execution of the work, could not be put underground/in cable trench/saddling and planned to attend afterwards or next day, in that case, the cable shall invariably be kept wound/coiled in safe place to avoid damage due to vehicular movement or otherwise. Alternatively, such cable may be left on the drum which shall be lowered from its jacks and firmly anchored.
32. Before End terminations are made, the I.R. value shall be measured to ensure the healthiness of the cable.
33. All the materials shall be supplied as per schedule, mentioned in the tender, failure of which, the penalty per week per material shall be imposed on the contractor. However, if delay happens due to unavoidable situation, which is not in anybody's control, then no penalty will be imposed.
34. If Firm fails to supply the items of Schedule – B as per time limit, LD @5% of the material cost per week will be recovered from the RA Bill of the contractor.

Note : All the penalties will be commenced from the date of issues of Work Order.

35. When the cable drums will be required to be shifted, proper care shall be taken as directed. While removing the cables from Cable Drum, the Drum shall be properly mounted on jacks or on a cable wheel or any suitable device, to ensure that the spindle, jack etc. are strong enough to take the weight of the cable drum.
36. While de-reeling/reeling of any cable, the cable drum shall be mounted properly on jacks or cable wheels.
37. Handling of Cable: While handling of any cable it shall be ensured that both ends of cable are properly sealed to prevent ingress/absorption of moisture.
38. While passing the cable through HDPE Pipe (HDD)/laying in the RCC Trench/in the Hard or Soft Soil, the cable shall not allowed to pull the cable by any type of vehicles.
39. If, while working in the site by the contractor, any old cable is found, then the same shall be removed and handed over/shifted to any location as directed.
40. The contractor shall provide PCC cable route marker at every 30 Meter intervals for HT cables and 40 Meter intervals for LT cable as shown below Route marker shall also provide at every bend of cable.



41. **Vehicle:**

Tata yodha / ISUZU- D MAX utility type vehicle with A/c cabin to be procured by Contractor after getting LOI from DPA and the documentary evidence shall be produced with registration number to Engineer-in-Charge. The vehicle shall be of model 2025. The vehicle shall be exclusively used for shifting of men & material inside cargo jetty, collection of Diesel for DG Sets from Gandhi ham.

Individual log book should be maintained for each vehicle the site supervisor of DPA shall be responsible and total control of the vehicle. The vehicle should not be used for transportation of manpower from their home to work site. However, for transportation of shift staff, loading & unloading the material for which contractor shall arranged the own arrangement of vehicle at their own cost. The vehicle should not be older than January 2025. Separate log book should be kept in each vehicle and properly maintained daily showing the Kilometer travelled with signature of the supervisor / Site in-charge using the vehicle. The vehicle driver should be provided with company uniform and vehicle should be stationed at Cargo Jetty Substation. Contractor should keep vehicle driver having heavy licenses and copy of the licence of driver along with insurance copy of vehicle and copy RC book of individual vehicle should be submitted to site office within 1 week of issue of work order.

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Executive Engineer (E)
Deendayal Port Authority

TECHNICAL SPECIFICATIONS FOR PART –B (WORKS)

1. Technical specification No.: 1

- (A) Supply: This includes supply at site PGVCL/UGVCL/DGVCL/MGVCL approved vendor or make bare ACSR Dog Conductor (ACSR) 100 sq.mm as directed by Engineer-in-charge. The conductor shall be manufactured as per IS: 398(Part-I1) 1996. The approval of PGVCL/UGVCL/DGVCL/MGVCL and test certificates of Conductor to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- (B) Supply: This includes supply at site PGVCL/UGVCL/DGVCL/MGVCL approved vendor or make bare ACSR RABBIT Conductor (ACSR) 50 sq.mm as directed by Engineer-in-charge. The conductor shall be manufactured as per IS: 398(Part-IV). The approval of PGVCL/UGVCL/DGVCL/MGVCL and test certificates of Conductor to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- (C) Supply: This includes supply at site PGVCL/UGVCL/DGVCL/MGVCL approved vendor or make. CCSX (1 X 99 ACSR) SINGLE CORE ROUND COVERED CONDUCTOR FOR OVERHEAD LINE as directed by Engineer-in-charge. The conductor shall be manufactured as per IS: 398(Part-II). The approval of PGVCL/UGVCL/DGVCL/MGVCL and test certificates of Conductor to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- (D) Stringing, testing & commissioning: This includes stringing of supplied and ACSR Dog Conductor of size 100 sq.mm/50Sqmm Rabbit conductor / CCZCX 1 x99Sq mm single core covered conductor on HT transmission /distribution overhead line. The conductor shall be tied rigidly with existing pin/disc/shackle insulators by providing binding wires at least of 12 SWG. The stringing of the conductor shall be done as per IS norms & maximum sag 3% of each span shall be maintained and joint between span shall not be done in any case. The work includes providing & binding of jumpers at shackle point to maintain continuity of the conductor. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

2. Technical specification No.: 2

- (A) Supply: This includes supply at site 11/11KV grade, 3 core Aluminum conductor, XLPE insulated armoured cable confirming 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. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

Laying of H.T Cable:

- (i) In Hard/Soft Soil: This includes laying of single length HT armoured aluminum Conductor XLPE Cable of 11KV 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 of cable lengthwise i.e. parallel to the cable and the gaps shall be filled by fresh river sand. The cable shall be covered by keeping two bricks over the side bricks shown in the sketch. 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 of from the Site of work or spread in low laying area as directed. Also, contractor has to place cable route marker at an interval of 20-meter length the route marker shall be of heavy duty HDPE plate width red radium colour. The contractor shall provide additional heat shrinkable straight through joint of relevant size of approved make if the laying of

cable shall be more than standard drum length. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

- (ii) The work consists of laying HT cables on wall surface, beam, cable tray, etc. with suitable size of G.I. saddles/spacer of 2mm thick and shall be rigidly fixed on cemented wooden gutties / polymeric gutties also if necessary for laying the HT cable on beam or on cable tray GI strip of made from 50 x 6 mm GI earth Patti & if necessary sit GI Nut bolt should be used for fixing GI tray at a distance of not more than 0.6 mtr interval. And wherever the cable is to be run on tray same shall be fixed with suitable size of clamp & hardware. This also includes termination at both end by required size of cable gland and with suitable size of lugs with all material and labour and as directed by Engineer-in-charge.
- (iii) Through HDPE Pipe under rail/road crossing: This includes passing of HT cable through heavy duty HDPE already buried pipe. The pipe shall be sealing at the both end by suitable cap after the laying of cable in HDPE pipe. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.
- (iv) Laying through (½) half round RCC Pipe :- The item includes laying of single length cable of all size of HT 11KV grade XLPE Cable in the ½ round RCC hume Pipe 6" I/D the half round pipe should be laid on the coarse sand. The cable shall be laid on the existing half round pipe as shown in the drawing after laying of cable the pipe should be filled with fine sand and covered with half round pipe.. At every approximately 15mtr length of there should be inspection chamber provided. The contractor has to places cable route marker at and interval of 20-meter length the route marker shall be of heavy duty HDPE plate width red radium colour The item includes required material and labour as directed by Engineer in charge.
- (v) Laying in existing RCC Cable Trench: This includes laying of supplied HT armoured aluminum Conductor XLPE Cable of 11KV Grade in the existing RCC trench. The cable shall be laid after opening of RCC trench by removing the MS Cover plates & cable trench shall be cleaned properly including removal of garbage, dust, etc from the trench line without damaging the other cables laying in the trench. After laying of the cable, cable trench shall be properly covered with existing cover plates as per original. This work includes all labour, tools tackles, as directed by Engineer-in-Charge.
- (vi) Laying in G.I. Class-B G.I pipe: This includes laying of cable of single length HT armoured aluminum Conductor XLPE Cable of 11KV Grade (excluding supply of cable) in class-B G.I. Pipe of size 100 mm. on existing DP/Four Pole Structure/steel Structure with G.I. Clamps made from G.I. flat 25 x 3 mm including G.I. Nut bolts of suitable size at 0.50 mtr. Intervals. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

3. Technical specification No.: 3

- (A) Supply: This includes supply at site 1.1 KV grade, 4 core aluminum 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. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

(B) Laying of L.T Cable:

- (i) Laing in Hard/Soft Soil: This includes laying of single length LT armoured aluminum Conductor XLPE Cable of 11KV 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 of cable lengthwise i.e. parallel to the cable and the gaps shall be filled by fresh river sand. The cable shall be covered by keeping two bricks

over the side bricks shown in the sketch. 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. the contractor has to place cable route marker at an interval of 20-meter length the route marker. The contractor shall provide additional heat shrinkable straight through joint of relevant size of approved make if the laying of cable shall be more than standard drum length. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

- (ii) laying of LT cables on wall surface, beam, cable tray, etc.: The work consists of laying LT cables on wall surface, beam, cable tray, etc. with suitable size of G.I. saddles/spacer of 2mm thick and shall be rigidly fixed on cemented wooden gutties or polymeric gutties at a distance of not more than 0.6 mtr interval. And wherever the cable is to be run on tray same shall be fixed with suitable size of clamp & hardware. This also includes termination at both end by required size of cable gland and with suitable size of lugs with all material and labour and as directed by Engineer-in-charge.
- (iii) Laying through HDPE Pipe under rail/road crossing: This includes passing of LT cable through heavy duty HDPE already buried pipe. The pipe shall be sealing at the both end by suitable cap after the laying of cable in HDPE pipe. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.
- (iv) Laying through (½) half round RCC Pipe :- The item includes laying of single length cable of all size of LT 1.1KV grade XLPE Cable in the ½ round RCC pipe 6" I/D the half round pipe should be laid on the coarse sand. The cable shall be laid on the existing half round pipe as shown in the drawing after laying of cable the pipe should be filled with fine sand and covered with half round pipe.. At every approximately 15mtr length of there should be inspection chamber provided. Also, contractor has to place cable route marker at an interval of 20-meter length the route marker shall be of heavy duty HDPE plate width red radium colour The item includes required material and labour as directed by Engineer in charge.
- (v) In RCC Cable Trench: This includes laying of supplied LT armoured aluminum Conductor XLPE Cable of 11KV Grade in the existing RCC trench. The cable shall be laid after opening of RCC trench by removing the MS/RCC Cover plates & cable trench shall be cleaned properly including removal of garbage, dust, etc from the trench line without damaging the other cables laying in the trench. After laying of the cable, cable trench shall be properly covered with existing cover plates as per original. This work includes all labour, tools tackles, as directed by Engineer-in-Charge. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.
- (vi) In G.I. Class-B pipe: This includes laying of cable of single length LT armoured aluminum Conductor XLPE Cable of 11KV Grade (excluding supply of cable) in class-B G.I. Pipe of size 100 mm. on existing DP/Four Pole Structure/steel Structure with G.I. Clamps made from G.I. flat 25 x 3 mm including G.I. Nut bolts of suitable size at 0.50 mtr. Intervals. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

4. Technical specification No.: 4

- (a) H.T End Termination Kit: Supply & Fixing: This includes providing and fixing of heat shrinkable outdoor end termination suitable for the sizes mentioned in Schedule-B including providing fixing of Aluminum Solder less lugs of suitable size with all required materials. The work includes all labour, tools tackles, heat shrinkable outdoor end termination kit of approved make and necessary fabrication work on Double Pole/Four Pole structure if required as directed by Engineer-in-Charge. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- (b) L.T End Termination Kit: Supply & Fixing: This includes providing and fixing of heat shrinkable outdoor end termination suitable for the sizes mentioned in Schedule-B including providing fixing of Aluminum Solder less lugs of suitable size with all required materials. The work includes all labour, tools tackles, heat shrinkable outdoor end termination kit of approved make and necessary fabrication work on LT Panel if required as directed by Engineer-in-Charge. This includes

all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

5. Technical specification No.: 5

- (a) H.T Straight Through Kit: Supply & Fixing: This includes providing and fixing of heat shrinkable Straight through joint suitable for the sizes mentioned in Schedule-B, including providing fixing of Aluminum Solder less ferrules of suitable size with all required materials. The work includes all labour, tools tackles, heat shrinkable straight through joint kit of approved make and necessary excavation in soft soil/removal for RCC trench cover and re-fixing of the same if required as directed by Engineer-in-Charge. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- (b) L.T Straight Through Kit: Supply & Fixing: This includes providing and fixing of heat shrinkable Straight through joint suitable for the sizes mentioned in Schedule-B, including providing fixing of Aluminum Solder less ferrules of suitable size with all required materials. The work includes all labour, tools tackles, heat shrinkable straight through joint kit of approved make and necessary excavation in soft soil/removal for RCC trench cover and re-fixing of the same if required as directed by Engineer-in-Charge. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

6. Technical specification No.: 6

(A) Supply:

- (i) HT Aerial Bunch Cable: Power Core 3 x 150 mm. + Messenger Wire 2 x 70 mm
This includes supply of HT 11KV (E) Grade Aerial Bunched Cable with 3(three) Power Cores Stranded, compacted Circular Aluminium Conductor screened with Black extruded semiconducting Compound, natural coloured XLPE insulated core screened with Black extruded semiconducting compound and one layer of copper tape and covered with Black extruded PVC (Core identification by ridges one, two and three over PVC covering) and one bare Messenger wire : combination of galvanized steel wire and Al. Alloy wires conforming to IS 3130/1984, IS-398(Part-II)/1976, IS-398(Part-IV)/1979 and IS-7098(Part-II)/1985 with upto date amendments, if any. Routine Test certificates to be produced with supply of AB Cable. The rate shall include all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

B. ACCESSORIES REQUIRED FOR DRAWAL OF OVERHEAD LINE WITH HT (11KV) AERIAL BUNCHED CABLES ON PSC / RSJ POLE SUPPORT

Sl. No.	Description	Unit	Quantity
1	Anchor Clamp	No's	200
2	Suspension clamp assembly.	No's	150
3	Pole mounted support clamps.	No's	150
4	Pole clamps.	No's	500
5	Insulation piercing connectors with cover or P.G. connectors with insulation cover.	No's	150
6	Facade hooks.	No's	150
7	Cable Jointing Kit for straight through & end joints.	No's	25

Note :- any aerial bunch accessories required to complete the Fixing job the contractor has to supply without financial implication.

- (ii) LT Aerial Bunch Cable:
This includes supply of HT 1100V, XLPE insulated Aerial Bunched Aluminum Cable of size 70 sq.mm. The AB cable covered under this specification should be suitable for use on three phase, 4 wire earthed system for working voltage up to 1100 V. It should confirm the relevant standards. The phase conductor should be 70 mm² XLPE insulated and the neutral conductor should be 50 mm² XLPE insulated whereas messenger conductor should be Bare heat treated aluminium silicon confirming to relative standard.
The applicable standard of LT AB Cable shall be as follows.

- IS: 14255/1995: - ABC Cables 1100 Volts.
- IS: 8130-1984:- Conductor for Insulated Cables.
- IS: 398 (Part-IV)-1994:- Aluminium Alloy Conductors.
- IS-10418/1982: - Drums for electric cable.

Routine Test certificates to be produce with supply of AB Cable. The rate shall include all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

- (B) Stringing of Aerial Bunched Cable (ABC) Fixing of Suspension & Tension/ Dead end fittings to the Poles.

The suspension clamp is to be hung on eye hook/ suspension hook, which is fixed to the pole at a minimum distance of 0.15 mt. from top end of the pole. The messenger wire of bunched cable resting on a pulley is separated from the cable by separating wedges and inserted in the conductor groove of the suspension clamp. The bolt is tightened to a torque of 20 N after which the pulley and wedges are to be removed. The cable is tied to the messenger wire with nylon tie on both sides of clamps. Pole clamps 50 x 8 mm flat shall be used. Eye hook of 20mm dia MS rod to be used as per the requirement. The pole clamp shall be made to suite the pole width. This shall be installed as per REC Construction Standard.

7. Technical specification No.: 7

Supply of Accessories of HT/LT XLPE Insulated Aerial Bunched Cables along with Stringing, testing & commissioning:

The work includes installation of supplied AB cables including handling, pulling, stringing & jointing of the cable and effecting service connection to consumers as per direction of the Engineer-in-charge.

Supply of Fittings & Accessories

The following hardware fittings and accessories shall be used to install, erect & join the aerial bunched cable.

- Suspension Clamp with Eye-Hook – The Contractor shall install the suspension clamp with eye hook. This hook shall be used to attach the AB cable on the pole by means of a dead end clamp in terminal poles and for attaching a suspension clamp suitable for holding AB cables of size 35mm² to 95mm² in straight lines and angle up to 90 Deg.-
- Suspension fittings & the corresponding Eye hook shall be as per REC Construction Standard. The eye hooks shall be made from minimum 20mm dia MS rods with eye on one end and the other end being suitably flattened with two holes for M16 bolt & nut to fix with the back clamps made from minimum 50 x 8 mm flats. The eye hook, back clamp and bolts & nuts are to be hot dip galvanized.
- Dead End fittings shall be bolted type as per REC Construction Standard & the corresponding eye hook shall be as specified above. The dead clamps are to be anchored with the pole with similar arrangement of eye hook & back clamp. In this case, the back clamp shall have two nos. of holes on both sides for M16 bolts. One side of the clamp shall be used for holding the eye hook with dead end clamp and the other side shall be used for anchoring the Stay.
- Insulation Piercing Connectors (IPC).
Insulation Piercing Connectors (IPC) are used for making Tee / Tap-off / Service connectors to an ABC/Bare Overhead Line.
- Anchoring Clamp (3 bolt & 2 bolt type):
The clamps should be designed to Anchor LT-AB cable with insulated messenger. The clamp should consists of an Aluminium alloy corrosion resistant castled body, bail of stainless steel and self adjusting plastic wedges which shall anchor/hold the neutral messenger without damaging the insulation..
- Nylon cable Tie- These ties shall be used for tying the conductors with the messenger wire to prevent the phase conductors from chatting against suspension clamp. The nylon tie is made of weather resistant black nylon. (length 360mm width 15mm Locking Type : Locking Non-releasable

- g) Lugs - The contractor shall supply Lug. These shall be used as non-tension aluminium to aluminium connections for conductor joints.
- h) Phase markers
Phase markers should be provided throughout the network. Phase Marker kit includes three separate color phase markers: red, yellow and blue.
- i) Bimetallic Connectors with Plastic Covers - The bimetallic contractor shall install Plastic Covers for Connectors. These covers shall be used with bimetallic connectors to protect connectors against corrosion caused by climatic conditions.
- j) **JUNCTION SLEEVES.**
The sleeves should be Pre-Insulated for phases, neutral messengers and street lighting conductors.
 - ☐ Sleeve should be made of Alluminium, insulated with an Anti-UV black.
 - ☐ thermoplastic tube hermetically sealed two ends with 2 flexible rings.
Die reference, size and strip length are indicated on the sleeve itself.
- K) HV cable Joint Tray:- As an accessory for MV ABC System and suitable designed to hold and support the 11kV AND 33kV ABC Straight Through Joints on 10M-19-5kN spun concrete poles capable of withstanding a minimum load of 100 kg.
- L) ABC SERVICE MAIN DISTRIBUTION BOXES.
This Distribution Box should be Weather & Moisture Proof with spring loaded Bus Bar system & should be able to carry a current according to specified amp capacity. It can have 1 /3-phase input & provision for 4 or 9 nos. of 3- phase or 1-phase outputs. The box should have the provision for special key for locking & proper arrangement of sealing. The boxes should be assembled on the pole using Metal Tapes & Buckles or Bolts. No. of Boxes per pole may vary with supporting arrangement for more no. of service connections.
The contractor should supply the materials as given in schedule "B" if any other fittings required for string of Arial Bunch cable for the cable size mentioned in schedule B then the contractor has to make his own arrangement to complete the work for which no extra payment will be made from DPA.
- 8. **Technical specification No.: 8**
This includes making of Horizontal Directional Drilling by putting suitable diameter HDPE suitable for cable size to LT 4 Core X 300/400 sq.mm. HDPE pipe shall have strength of 10Kg/Sq.cm. Providing of HDPE pipe is also in the scope of contractor. Depth of horizontal boring shall be minimum 165 cm or according to construction of Road/Rail network or as per direction of Engineer-In-Charge. Laying of HDPE pipe coupled by HDPE socket only after standard length in excavated trench / tunnel and also sealing of HDPE pipe ends by suitable cap at both end. After completion of boring job back filling & dressing of excavated trench to be carried out as per the original. The contractor shall arrange JCB machine for excavation, water for drilling, de-watering pump, HDD equipment at their own cost. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.
- 9. **Technical specification No.: 9**
 - (A) Supply: This includes supply at site PGVCL/UGVCL/DGVCL/MGVCL approved vendor or make 11 KV & 22 KV Polymeric Pin Insulator with its hardware as directed by Engineer-in-charge. The 11 KV & 22 KV Pin insulator shall be supplied with hot dipped galvanized MS forged pin of suitable size. The pin shall have adequate mechanical strength. The approval of PGVCL/UGVCL/DGVCL/MGVCL and test certificates to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
 - (B) Fixing: This includes fixing of supplied 11/22KV pin insulator on pole top bracket or cross arms or both of overhead lines. The insulator shall be fixed in such a way that the overhead conductor shall rest on it. The pin insulator shall be fixed on the cross arm by passing pin through the hole of cross arm and the pin shall be tighten using nut. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In- charge, but excluding GST.

10. Technical specification No.: 10.

- (A) Supply: This includes supply at site PGVCL/UGVCL/DGVCL/MGVCL approved vendor or make 11 KV & 22 KV Polymeric Disc Insulator with its hardware as directed by Engineer-in-charge. The 11 KV & 22 KV Disc insulator shall be supplied with hot dipped galvanized hardware of suitable size. The hardware shall have adequate mechanical strength. The approval of PGVCL/UGVCL/DGVCL/MGVCL and test certificates to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- (B) Fixing: This includes fixing of supplied 11/22 KV disc insulator on cross arms of overhead lines. The disc insulator shall be fixed on the cross arm by using proper G.I. hardware. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

11. Technical specification No.: 11.

- (A) Supply: This includes supply at site PGVCL/ UGVCL/ DGVCL/ MGVC approved vendor or make window type 8 Mtr. long PSC pole including all labour, loading and unloading as directed by Engineer-in-charge. The approval of PGVCL/UGVCL/ DGVCL/ MGVC to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- (B) Erection: The work includes fixing of supplied 8 Mtr. long PSC pole at site. The pole pit shall be excavated in all kind of soil of size 0.75mtr x 0.75mtr and 1.75mtr deep. One-sixth length of pole shall be planted inside the ground. 1:3:6 PCC base layer of thickness 150-mm shall be provided at the bottom of the pole pit. Balance portion of the pit shall be backfilled with mixture of c.c. ratio 1:3:6 using cement, sand and 6 to 20mm graded metal chips as coarse aggregate and to prepare cylindrical shape muffing 750mm above ground level duly plastered. The excavated stuff shall be spread in lower level area as directed. The rates shall be inclusive of cement concreting, plastering, other material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST. All types of cement mixtures shall be done by using sweet water only.

12. Technical specification No.: 12.

- (A) Supply: This includes supply at site PGVCL/ UGVCL/ DGVCL/ MGVC approved vendor or make 11 Mtr. long RSJ girder pole of 100mm x 110mm x 8mm thickness with metal primer coat as directed by Engineer-in-charge. The approval of PGVCL/UGVCL/ DGVCL/ MGVC to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- (B) Erection: The work includes fixing of supplied 11 Mtr. long RSJ pole at site. The pole pit shall be excavated in all kind of soil of size 0.75mtr x 0.75mtr and 2.0 mtr deep. One-sixth length of pole shall be planted inside the ground. 1:3:6 PCC base layer of thickness 150-mm shall be provided at the bottom of the pole pit. Balance portion of the pit shall be backfilled with mixture of c.c. ratio 1:3:6 using cement, sand and 6 to 20mm graded metal chips as coarse aggregate and to prepare cylindrical shape muffing 750mm above ground level duly plastered. There after clean the pole remove rust or foreign material if any and apply one coat of metal primer & two coat of silver paint, the muffing shall be paint with lime whitewash. The excavated stuff shall be spread in lower level area as directed. The rates shall be inclusive of cement concreting, plastering, other material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

13. Technical specification No.: 13.

- (A) Supply: This includes supply at site complete stay set as directed by Engineer-in-charge. The stay set comprising of stay rod, turn buckle, thimble, anchor plate, 7/10 GI stay wire, stay clamp and HT guy insulator etc. conforming to the following technical specification. M.S. stay rod of 20mm diameter 1800mm in length, one side formed an eye and welded with internal diameter 40mm with one thimble and the other side of the rod shall be threaded and fitted with 2nos. suitable hexagonal nuts with one round washer complete with MS anchor plate 250 x 250 x 6mm

dimension with center hole. The entire rod, plate, nuts and washer should be hot dipped galvanized. Single bow turnbuckle made of 16mm diameter MS rod and center rod of 20mm dia. threaded. The base channel shall be with two hexagonal nuts. All the metal parts shall be galvanized. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

- (B) Fixing: The work fixing of supplied stay set includes preparation of stay pit of size (0.9mtr x 0.6mtr x 1.4mtr depth) shall be excavated in all kinds of soil. The stay rod with anchor plate shall be installed therein and the pit shall be filled in with 1:3:6 PCC using 40-mm HG metal. Proper curing of PCC shall be done to enable the concrete to acquire strength. The excavated stuff shall be spread in lower level area as directed. The stay insulator shall be provided at least at a height of 3mtr. from the ground level and fixed in such a way that the wires would not fall on ground in case of the failure of the insulator. Angle of stay set provided shall be an angle of about 45 degree from the ground level. The stay set shall be fixed in opposite direction of line conductors to reduce stress on pole. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In- charge, but excluding GST.

14 **Technical specification No.: 14.**

- a. Supply: This includes supply at site PGVCL/ UGVCL/ DGVCL/ MGVCCL approved vendor or make lightening arrester. The lightening arrester shall be suitable for 11KV overhead line. The exposed surface of the lightning arrester shall be glazed, brown in colour and shall be supplied with all hardware required for fixing. The approval of PGVCL/UGVCL/ DGVCL/ MGVCCL and test certificate of L.A. to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- b. Fixing: The work includes fixing of supplied lightning arrester on pole/structure. The arrester shall be fixed rigidly on the top of pole using necessary clamps, nut-bolts and shall be electrically connected with HT line. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

15 **Technical specification No.: 15.**

- a. Supply: The work includes supply at site PGVCL/ UGVCL/ DGVCL/ MGVCCL approved vendor or make 11KV Horn gap fuse unit. The Horn Gap fuse unit (one set comprises with three units) confirming to latest IS. The approval of PGVCL/UGVCL/ DGVCL/ MGVCCL and test certificate of horn gap fuse unit to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- b. Fixing: This includes fixing of supplied 11kv Horn Gap Fuse on pole/structure. The unit shall be fixed as per I.E. rules. Each unit having 2nos. of 11KV insulators shall fixed on ISMC base channel of size 75mm x 40mm x 7.3mm. All hardware, such as clamps, nut-bolts shall be used of G.I. The rates shall be inclusive with all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST

16 **Technical specification No.: 16**

- a. Supply: The supply at site PGVCL/ UGVCL/ DGVCL/ MGVCCL approved vendor or make gang operated outdoor type air break switch having 11 KV System Voltage Current carrying capacity 400 Amps. The GOAB Switch shall be suitable for 11KV system voltage. The system on which the isolators will be installed will be 11KV, 3Phase, 50 Hz +3%. The AB switches shall confirm to IS: 9921 (Part I to IV). The GOAB switch shall be supplied with arcing horns and operating mechanism. The approval of PGVCL/UGVCL/ DGVCL/ MGVCCL and test certificate of horn gap fuse unit to be submitted by Contractor at the time of supply of item. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

- b. Fixing: This includes fixing of supplied 11kV G.O.A.B. switch on pole/structure. The switch shall be fixed as per I.E. rules. Fixed and moving contact assembly shall be fixed on ISMC base channel of size 75mm x 40mm x 7.3mm. All hardware such as clamps, nut-bolts shall be used of G.I. Alignment of the switch shall be such that the switch can be operated easily. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

17 Technical specification No.: 17

- a. Supply:
 - i. This includes supply at site Pole top bracket as directed by Engineer-in- charge. The pole top bracket shall be made from ISMC channel of size 75mm x 40mm and 25cm long. Necessary G.I. hardware such as clamp, nut-bolts shall be supplied with the cross arm. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
 - ii. This includes supply at site 1.2mtr long cross arm as directed by Engineer-in-charge. The cross arm shall be made from galvanized ISMC channel of size 75mm x 40mm x 7.3mm. The cross arm shall be fabricated to carry two nos. HT conductors. Necessary G.I. hardware such as clamp, nut-bolts shall be supplied with the cross arm. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- b. Fixing:
 - i. This includes fixing of supplied Pole top bracket on pole. The pole top bracket shall be fixed rigidly on pole using G.I. clamps, G.I. nut-bolts as directed by engineer in charge. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.
 - ii. This includes fixing of supplied 1.2mtr long HT cross arm on pole. The cross arm shall be fixed rigidly on pole using G.I. clamps, G.I. nut-bolts as directed by engineer in charge. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

18 Technical specification No.: 18.

- a. Providing & Fixing: This includes providing and fixing guarding under 11KV overhead line. The guarding shall be made of two nos. string of G.I.8SWG wire. Intermediate cradles at every one-meter distance shall be provided of G.I.10 SWG wire to form a cage. The guard wire shall run under bare live conductor and minimum clearance between bare conductor and guard wire shall be maintain 30cm.The guard wire shall be bonded with earth wire. The work includes all required hardware, nut-bolts, clamps, guarding cross arms etc. and labour charges. The guard wire shall be provided at road crossings or anywhere as directed by engineer in charge. The rates shall be inclusive of all material, required tools tackles and labour and as directed by Engineer-In-charge, but excluding GST.

19 Technical specification No.: 19.

For Double Pole Structure:

- a. Supply: The work supply and erection of Double pole structure for 11KV HT overhead line includes supply of following material with mentioned specifications: -
 - (i) This includes supply at site PGVCL/ UGVCL/ DGVCL/ MGVC approved vendor or make 2 nos. 11mtr long RSJ pole of 100mmx110mmx8mm thickness as directed by Engineer-in-charge.
 - (ii) 2.2mtr long ISMC channel 2 nos. of size 75mm x 40mm x 7.3mm with G.I. Hardware such as nut-bolts, clamps etc

- (iii) 2.2mtr long M.S. angle cross arm 6 nos. of size 50mm x 50mm x 10mm with G.I. hardware. This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.
- b. Erection of Poles: The pit of each pole shall be excavated in all kind of soil of size 0.75mtr x 0.75mtr and 2.0 mtr deep. One-sixth length of pole shall be planted inside the ground. 1:3:6 PCC base layer of thickness 150-mm shall be provided at the bottom of the pole pit. Balance portion of the pit shall be backfilled with mixture of c.c. ratio 1:3:6 using cement, sand and 6 to 20mm graded metal chips as coarse aggregate and to prepare cylindrical shape muffing 750mm above ground level duly plastered. The excavated stuff shall be spread in lower level area as directed. The contractor has to arrange all required raw material cement, sand, metal, water, labours, tools tackles, crane etc. at his own cost. After erection of pole potable water curing shall be done for bonding of cement. The rates shall be inclusive with all material, required tools tackles and labour and as directed by Engineer-In-charge.

The complete layout drawing of DP Structure including earthing arrangement shall be prepared as per IS by the Contractor and shall got approved from Engineer-in- Charge before commencement of work. The DP structure shall be erected as per approved drawing. The work includes all labour & material as directed by Engineer-in-Charge.

20 Technical specification No.: 20.

- a. Supply: This includes supply of 3 Star BEE rating copper wound transformer at site PGVCL/ UGVCL/ DGVCL/ MGVCL approved vendor or make of 25KVA, 63 KVA, 100 KVA, 200KVA & 250 KVA 11/0.433KV, oil filled, outdoor type suitable for pole mounting TC as directed by Engineer-in-Charge.

The approval of PGVCL/UGVCL/ DGVCL/ MGVCL and test certificate of Distribution Transformer to be submitted by Contractor at the time of supply of item.

This includes all the labour, taxes loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

- b. Installation, Testing & Commissioning: This includes installation of supplied transformer on prepared DP/FP with suitable locking arrangement of transformer with suitable size of angles both side of transformer and the angles shall be bolted with poles with suitable MS clamps. The work also includes body earthing of Transformer and neutral earthing of transformer. The necessary test for testing and commissioning to be carried out on after installation of transformer at site. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

21 Technical specification No.: 21.

- (B) Providing & Fixing: This includes supply & fixing of 3 phase and neutral, 200 Amps. Pole mounted Distribution Panel made from 2 mm powder coated CRCA sheet with clamps and necessary hardware for fixing underneath of pole. The Distribution box comprises 200 Amps. 3 nos. extended terminal Kit Kat fuses to receive main from transformer, 400 Amps capacity Aluminum Busbars for outgoing LT connections and necessary wiring as per requirement as directed by Engineer-in-Charge. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

22 Technical specification No.: 22.

- a. Providing & Fixing: This includes supply of 11KV COPPER WOUND MEASURING THREE PHASE THREE CTs AND ONE THREE PHASE STAR/STAR PT COMBINED C.T.P.T. UNIT of the given ratings. This specification covers design, manufacture, testing at manufacture's works, supply and FIXING of oil filled conventional type outdoor type pole mounted combined 11 KV copper wound CTPT unit. The combined CTPT unit shall comprised of three single phase current transformers and one three phase voltage transformers having primary star point of primary winding shall not be

EARTHED (i.e. floating Neutral and secondary star neutral points shall not to be EARTHED on LV side and shall be brought out in secondary terminal box.

The accuracy class of CT & PT shall be 0.5S and 0.5 respectively. Rated burden for CT & PT shall be 5 VA and 10VA/phase respectively at 0.8 P.F. (Lag). The winding material shall be of copper with class of Insulation A.

This includes fixing of combined C.T.P.T. on existing outdoor DP structure. The work includes all labour & material taxes, loading, unloading at site as directed by Engineer-in-Charge, but excluding GST.

23 Technical specification No.: 23.

Technical Specifications for the work to be carried out of Double & Four Pole Fencing.

1. Quality / Standards of Material to be used.
Basic material to be used for the fabrication of Chain Link Fencing which is to be supplied & provided is MS Pipe of Square Hollow Section (SHS), MS Angle, MS Flat & GI wire.
2. Size & Dimension of Material to be used.
 - (i) For Vertical Post: MS Pipe of Square Hollow Section (SHS) of 49.5mm x 49.5mm x 4.5mm
 - (ii) For Main (outer) Frame; MS Pipe of Square Hollow Section (SHS) of 32mm x 32mm x 3.2mm.
 - (iii) For Chain Link (inner) Frame: MS Angle of 25mm x 25 mm 3mm.
 - (iv) For Chain Link Mesh: GI wire of 10 SWG with minimum 40 microns coating of Zink & fabrication of mesh of 2" x 2".
 - (v) For Hinges: MS Flat of size suitable to MS pipe of 49.5mm with thickness of 5mm.
 - (vi) Miscellaneous material like Hinges, Aldraft, Nut Bolt & other material of standard quality.
3. Dimensions for fabrication of Chain Link Fencing of standard size as per drawing
The said drawing is for DP Structure Fencing. The dimension of fencing is 12 ft Front & Back and 6 ft at both side. For four pole dimension of fencing is 12 ft at all four sides.
4. Installation i.e. fitting of Chain link Fencing at site:
Supplier has to fabricate all the section of complete chain link fencing as per drawing, dimension specified as above as well as per instructions of Engineer- In-Charge.

Prior to installation / fixing at site, all the MS parts should be applied two coats of red oxide. Main vertical posts should be grouted / fitted in the ground in such way that fencing frame should be remain 150mm above from ground level. Minimum 500mm length of vertical posts should remain in ground & it should be fixed up by foundation of standard CC mixture of ration 1:2:4 for the area of 300mm x 300mm & height of 500 mm. After installation / fixing at site, two coats standard paints should be applied as per instruction of Engineer-In-Charge.

5. General Condition for Supply and Providing Chain Link Fencing
 - I. Zink coating of Chain Link mesh should not be less than 40 microns. For the same, supplier has to produce manufacture's certificate.
 - II. Fixing of vertical post should be provided with foundation of standard CC mixture of ration 1:2:4 for the area of 300mm x 300mm & height of 500mm with sufficient curing.
 - III. Fixing of fencing case should be such that over all height at all the place should not be lee than 2400mm from ground. Fencing panel height should not be less than 1500mm.
 - IV. Chain link mesh is to be fixed in the frame of 50 x 50 x 6mm MS Angle frame with good quality of welding. Fitting of this frame with MS Square Pipe should be done with welding using MS Angle.
 - V. All the fabrication work should be done with good quality of welded & it should be free from sharp edges, concern & unevenness of surface. It should also with good finishing & decent look up to the satisfaction of Engineer in charge.
 - VI. The drawing & dimension (except height) are for standard & normal location. However, it may vary as per site situation. Hence Contractor has to approach concern Engineer-In-Charge, joint

visit for each location & record the dimensions according to site situation and accordingly. Has to fabricate, Supply & fixing the chain link fencing as per the instruction of Engineer in charge.

- VII. The drawing shall not absolve the contractor from his liability for insure appropriate dimensions & to supply & providing accordingly as per the site situation & instruction of Engineer in charge.
- VIII. MS aldrif should be provided with locking arrangement on front side as shown in drawing.
- IX. Fitting of complete chain link fencing panel with vertical post should be done with appropriate MS flat with thickness of 5mm and Nut Bolt of 2" x 3/4" size as per drawing. It should be in such that both side & rear side, with tight fitting by Nut-Bolts whereas front side, it should be slightly loose fitted so that it can work as hinges.
- X. Quality of material: As the major material is a steel item, the material like MS Square Pipe, MS Angle, MS Flat & GI wire must be as per relevant IS.
- XI. Drawing as below.

24 Technical specification No.: 24.

- (A) Supply & Fixing: This includes supply of AC 3 Phase LT/CT Multifunction DLMS compliance Energy Meter of accuracy class 0.2S, 3 X 240 V, 50 Hz with optical & RS232 Port, backlit LCD display, measures & displays Trivector Energy, load survey, TOD, Tamper detection & logging, Power On/Off events, instantaneous parameters of rating -/5A with display in absence of power.

This includes fixing & commissioning of supplied 1 energy meter rigidly in SMC Box or as directed. This includes necessary terminations, wiring, connections & earth linking from nearest source supply from MCB/Main switch/DB etc. The supply of Tamper proof, Shock proof and Rust proof SMC (Sheet Moulding Compound) meter box of suitable size is in the scope of Contractor. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

25 Technical specification No.: 25.

- (A) Supply & Fixing: This includes Supply of AC 3 Phase HT/CT Multifunction DLMS compliance Energy Meter of accuracy class 0.2S, 3 X 63.5 V, 50 Hz with optical & RS 232 Port, Backlit LCD Display, Measures KWH, KVAH, V, I, KW, 6 months history of Energy, load survey, TOD, Tamper detection & logging, Power On/Off vents, instantaneous parameters of rating -/5A with display in absence of power. Default Ratio: 11KV/110V & CTR: 1.

This includes fixing & commissioning of supplied 1 energy meter rigidly in SMC Box or as directed. This includes necessary terminations, wiring, connections & earth linking from nearest source supply from MCB/Main switch/DB etc. The supply of Tamper proof, Shock proof and Rust proof SMC (Sheet Moulding Compound) meter box of suitable size is in the scope of Contractor. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

26 Technical specification No.: 26.

- (A) Supply & Fixing: This includes making of muffing around the pole using cement concrete foundation of 1:2:3 (cement, sand, gravel). The dimension of muffing shall be as desired by EIC. This also includes dismantling of existing muffing wherever required and removal of debris from site. The muffing shall be paint with white Lime (chuna) paint. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

27 Technical specification No.: 27.

This includes painting of poles (Including supply of paint). The height of poles are up to 11 Mtr. The method of painting is to apply one coat of red oxide primer and two coats of Aluminium paint. This also includes removal, wire brushing and cleaning of existing paint wherever needed. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

28 Technical specification No.: 28.

- (A) Providing & Fixing: This includes providing & fixing chemical treated back filled compound gel earthing station in pipe for 2000 Amps (LT) capacity, complete with civil work. On the earthing pit, the required size chamber shall be made by bricks with cover and plastering including all

masonry work. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

29 Technical specification No.: 29.

(A) Providing & Fixing: This includes providing & fixing of following size earth strip / wire from earth station to equipment / pole / DB or as per requirement. The complete work consists of necessary connection and earth linking at both ends. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

30 Technical specification No.: 30.

This includes Design, Supply at site, installation, testing and commissioning of Outdoor platform mounted type L.T distribution panel with top canopy, double shutter, handle with locking arrangement, dust, damp and vermin proof. The L.T distribution panel shall be fabricated from powder coated 3mm thick M. S sheet outer frame using suitable size of M.S angle and M.S Flat for the frame structure the inner sheet and the door should be made from 1.2 mm thick M.S sheet. The feeder pillar shall be powdered coated using simens grade paint. Before painting the panel, the surface treatment shall be carried out by 7-tank process. The panel shall be provided with metallic engraved/Radium film labels on front for identification of Incoming & Outgoing feeders as directed. The neoprene gaskets shall be provided on the periphery of the doors of all feeders. The sleeved electrolytic copper busbars with epoxy insulators with Bakelite support and separators shall be provided with colour code. The panel shall be complete in all respect with cable glands, lugs for incoming & outgoing cables and also shall be provided with 2 nos. of earthing terminals

The L.T Distribution panel shall be specious for easy maintenance and shall be specious to be provided with all the material mentioned below.

- | | | |
|-----|---|--------|
| 1. | 250A, 415 V 50 Hz volt Open Execution 4 pole change over Switch. | 1No. |
| 2. | 200A TPN MCCB, x 415 volt 50 KA, 50 Hz | 1No. |
| 3. | 125A, TPN MCCB x 415 volt 50 KA, 50 Hz | 6No. |
| 4. | 63A, TPN MCCB x 415 volt 35 KA, 50 Hz | 1No |
| 5. | Suitable size analog ammeter & Voltmeter for the above panel | 1each |
| 6. | Selector switch unit complete with four portion for Voltmeter/Ammeter. | 2 No |
| 7. | Indicating lamp Red, green and amber blue 230/240v AC, with in built resistance | 1each. |
| 8. | Multifunction Meter for above current capacity | 1No. |
| 9. | Surface mounted light sensor timer Switch | 1 No. |
| 10. | 4 pole Contractor of 100A with NO & NC | 1No. |
| 11. | Electrolytic grade copper bus bar for Phase & Neutral, PVC sleeved with colour code. Danger Board, tie belt, M.S Wall mounted stand etc | |

All these components shall be mounted in the panel by means of suitable cadmium passivated hardware. The panel shall be complete in all respects with cable glands, lugs for incoming and outgoing cables including interconnection with PVC insulated cable single core, standard copper conductor of 650/1100V grade.

The panel shall be erected on CC platform / Ground at suitable height by using proper M.S channel frame of Proper size. The M.S channel frame shall be grouted on the wall properly so that it shall withstand the load of the panel properly.

The panel shall be tested as per IS. The Panel shall be manufactured from type test holder having type test certificate of feeder panel of similar or above ratings. The panel shall be provided with 2 Nos. G.I terminals for earthing. Before placing the order for manufacturing the above panel drawing should be approved by inspection agencies / Engineer-in-charge showing the accommodation of the electrical components as mentioned in Sr no 1to 11 in the panel and

should fulfill the needs IE rules. The work includes all labour and material as directed by Engineer-in-charge.

31 Technical specification No.: 31.

- (a) This includes providing of Hydra on hire basis as and when required. Advance intimation will be given by DPA official for the requirement. The hire charges will be for a shift of 4 Hrs. The hydra on hiring shall be provided with Diesel and Driver.
- (b) This includes providing of Tractor with trolley on hire basis as and when required. Advance intimation will be given by official for the requirement. The hire charges will be for a shift of 4 Hrs. The Tractor with trolley on hiring shall be provided with Diesel and Driver.
- (c) This includes providing of Excavator or Pay-loader on hire basis as and when required. Advance intimation will be given by official for the requirement. The hire charges will be for a shift of 4 Hrs. The Tractor with trolley on hiring shall be provided with Diesel and Driver. The work includes all labour & material as directed by Engineer-in-Charge, but excluding GST.

- 32**
- (a) The contractor shall inform well in advance in writing for taking power shut down as and when required for repair work/preventive / periodical maintenance in order to intimate concerned port officials to enable them to make necessary arrangements during power shutdown. The above permission letter record should be maintained by the contractor in proper manner. A format of Work Permit Form is placed at Section-X.
 - (b) At the time of maintenance work when power is fed by 66 KV substation, Line clearance is required to be obtained from the concerned officials of invariably. A Line Clearance register is to be maintained in the format given at XI.

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Sd--
Signature & Seal
of Contractor

Executive Engineer (E)
Deendayal Port Authority

Sr. No.	Description	Qty.	Unit	Rate	Amount
A.	PART-A (Monitoring & Trouble Shooting / Fault of OH Line)				
1.	Attending & Monitoring of the Trouble shooting /fault of 11 KV Overhead lines. Work comprisesof Labour, Material, Tools & Tackle, earth movers for shiftingofmaterial as & when required (on 24X7 basis) as directed byEngineer - in-Charge and as per the scope of work given above. a) Manpower for Trouble shooting /fault finding of 11 KV Overhead lines of DC-1, DC-2 , SIPC & Agies Overhead line.(PART-1) b) Manpower for Trouble shooting /fault finding of 11 KV Overhead lines of Oil jetty 1-4 , Oil jetty - 7 & 8 & Over head Line for illumination along Pipe line (PART-2) .	24	Month		
		24	Month		
2.	Providing Vehicle for transportation of material / execution of work & shifting manpower from one site to another site outside cargo jetty along with driver & fuel. a) Tata Yodha Utility type vehicle of model of 2025 inclusive fuel & driver round the clock for the ARC Shift Staff to attend & Monitor the 11KV Over Head Line Outside Cargo Jetty of DC-1 Ckt (7.5KM), DC-2(7.5Km), SIPC (5.5Km) & Agies(4.4KM) and miscellaneous works stationed at Port power house as indicated in the scope of work (PART-1). b) Tata Yodha Utility type vehicle of model of 2025 inclusive fuel & driver round the clock for the ARC Shift Staff to attend & Monitor the 11KV Over Head Line Outside Cargo Jetty of 7th Oil jetty Ckt (6.5KM), 8th Oil Jetty(15Km), 1 to 4 no Oil jetty (1.5Km) & 10KM pipe line illumination at K.K. Road and miscellaneous works stationed at Port power house as indicated in the scope of work (PART-2).	24	Month		
		24	Month		
		<u>TOTAL OF PART "A"</u>			

Sr. No.	Description	Qty.	Unit	A-Supply		Qty	Unit.	B-Labour (Stringing /Erection / Installation, testing & commissioning	
				Rate	Amount			Rate	Amount
B.	PART-B (Works)								
1	Supply & stringing of overhead line of following sizes as per Technical Specification No.1.								
i)	ACSR Conductor of cross section area 100sq.mm. (Dog).	30	Km.			30	Km.		
ii)	ACSR Conductor of cross section area 55 sq.mm. (Rabbit)'	0.5	Km.			0.5	Km		
2	Supply & Laying of 3 Core HT armoured aluminium conductor XLPE cable of 11KV grade of the following type & size as per IS: 7098 (Part - II)1985 with up to date amendment & as per Technical Speci No. 2.								
(A)	Supply								
i)	3 Core x 70 Sq.mm .	500	Mtr						
ii)	3 Core x 150 Sq.mm.	2000	Mtr						
iii)	3 Core x 300 Sq.mm	3000	Mtr						
(B)	Laying.								
i)	In hard and Soft Soil.					1.0	KM		
ii)	On wall /Truss / structure					0.5	KM		
iii)	Through HDPE Pipe under Road / Rail crossing					2.5	KM		
iv)	through Half round RCC pipe.					1.0	KM		
v)	Existing RCC trench.					0.5	KM		
vi)	In GI Class B pipe.					0.5	KM		

Sr. No.	Description	Qty	Unit	A-Supply		Qty	Unit.	B-Labour (Stringing /Erection / Installation, testing & commissioning	
				Rate	Amount			Rate	Amount
3	Supply & laying of 4 Core LT armoured aluminium conductor XLPE cable of 1.1KV grade of the following type & size as per IS: 7098 (Part - I)1985 & as per Technical Speci No. 3.								
(A)	Supply								
i)	4 Core x 50 Sq.mm .	2.0	KM						
ii)	4 Core x 70 Sq.mm .	1.0	KM						
iii)	4 Core x 95 Sq.mm .	1.0	KM						
iv)	4 Core x 150 Sq.mm .	0.5	KM						
v)	4 Core x 240 Sq.mm .	1.0	KM						
(B)	Laying.								
i)	In hard and Soft Soil					1.00	KM		
ii)	On wall /Truss / structure.					0.50	KM		
iii)	Through HDPE Pipe under Road / Rail Crossing					1.00	KM		
iv)	through Half round RCC pipe.					1.50	KM		
v)	Existing RCC trench.					500	Mtr		
vi)	In GI Class B pipe					500	Mtr		
4	Providing and fixing of Indoor / outdoor end termination kit to HT / LT XLPE Cables of following sizes with heat shrink end termination kit as per Technical Speci No. 4.								
A)	End Termination H.T Kit. (O/D)								
i)	3 core x 185- 300 Sq.mm	30	No			30	No		
ii)	3 core x 120-150 Sq.mm	20	No			20	No		
iii)	3 Core x 70 - 95 Sq.mm.		No			10	No		
B)	End Termination H.T Kit (I/D)								
i)	3core x 185- 300 Sq.mm	30	No			30	No		
ii)	3 core x 120 -150 Sq.mm	15	No			15	No		
iii)	3Core x 70 -95 Sq mm.	10	No			10	No		

5	Providing and fixing of Straight through kit to HT / LT XLPE Cables of following sizes with heat shrink end termination kit as per Technical Spec No. 5.								
A)	Straight through H.T Joint Kit								
i)	3 core x 185- 300 Sq.mm	40	No			40	No		
ii)	3 core x 120-150 Sq.mm	25	No			25	No		
iii)	3 Core x 70 - 95 Sq.mm.	15	No			15	No		
B)	Straight through L.T Joint Kit								
i)	4 core x 185- 300 Sq.mm	10	No			10	No		
ii)	4 core x 120 -150 Sq.mm	10	No			10	No		
iii)	4Core x 70 -95 Sq mm.	25	No			25	No		
iv)	4 Core x 35 -50 Sq mm.	50	No			50	No		
6	Supply & Stringing of HT/LT, XLPE insulated Arial Bunched Cable of size 95 sq.mm as per the Technical Speci No. 6.								
(a)	HT AB Cable of size 3 X 150 sq. mm+1X80 sq.mm.	1.0	KM			1.0	KM		
(b)	LT AB Cable of size 3X 120 +1 X 50 + 1X16mm ² .	1.0	KM			1.0	KM		
7	Supply of Accessories of Arial bunched cables supplied at site as per the Technical Speci. No. 7.								
i)	Suspension clamp with eye hook	200	No						
ii)	Dead end fitting	60	No						
iii)	Insulation Piercing Connectors (IPC)	60	No						
iv)	Anchoring Assembly (AA)	80	No						
v)	Suspension Assembly (SA) / Service clamp (sc)	10 Each	No						
vi)	Nylon tie/Junction Sleeves	50 Each	20 Pack						
vii)	H.T & LT Lugs/ HT & LT connectors/ phase marker,	50 Each	10 Pack						
viii)	HV cable joint tray	30	No						
ix)	ABC Service Main Distribution Box	25	No						
8	Making of Horizontal Boring (4.5") underneath of Road / Rail Cross crossing with								

a)	HDPE heavy duty pipe as per Technical Specification No. 8. HT XLPE cable upto 3 Core X 400 sq.mm size.	1.5.	KM			1.5.	KM		
b)	LT XLPE cable upto 4 Core X 300 sq.mm size.	1.5	KM			1.5	KM		
9	Supply & Fixing of HT Polymeric Pin Insulator with G.I. Hardware of following rating as per Technical Speci No. 9.								
i)	11KV Polymeric Pin insulator	150	No			150	No		
ii)	22 KV Polymeric Pin insulator.	250	No			250	No		
10	Supply & Fixing of HT Polymeric Disc Insulator with G.I. Hardware of following rating as per Technical Spec No. 10.								
i)	11KV Polymeric Disc insulator	10	No			75	No		
ii)	22KV Polymeric Disc insulator.	20	No			75	No		
11	Supply & erection of PSC pole of following size as per Technical Spec No.11.								
(a)	8 Mtr. long PSC pole.	100	No			200	No		
12	Supply & erection of RSJ Girder pole of following size as per Technical Specification No. 12.								
a)	11 Mtr. long RSJ pole 100mm x110mm x 8mm thickness	15	No.			25	No.		
13	Supply & Fixing of Stay set as per Technical Specification No. 13.	75	Set			75	No.		
14	Supply & Fixing of Lightening arrester complete with hardware as per Technical specification No.14.	10	No.			25	No.		
15	Supply & Fixing of 11KV Horn gap fuse unit complete with hardware as per Technical Spec No.15.	20	Set			20	Set		
16	Supply & Fixing of 11KV gang operated air break (GOAB) switch suitable for overhead mains as per Technical spec No.16.	20	Unit			20	Unit		

17	Supply & Fixing of Cross arm of following size as per Technical Spec No.17.								
i)	Pole top bracket made from 75x 40mm ISMC Channel for one no. HT transmission line.	150	No.			200	No.		
ii)	1.20mtr. length cross arm made from 75 x 40mm ISMC Channel for two nos. HT transmission lines.	150	No.			200	No.		
18	Providing and fixing guarding for overhead line conductors as per Technical Specification No.18.	3.0	Km.			3.0	Km.		
19	Supply & erection of following type of Structure as per Technical Specification No.19.								
i)	Double Pole Structure	05	No.			05	No.		
20	Supply. Installation, testing & commissioning of Distribution Transformer 11/0.433 kV, copper winding outdoor typesuitable for pole mounting PGVCL approved make of following ratings as per Technical Speci No. 20.								
i)	25KVA	10	No.			10	No.		
ii)	63KVA	5	No.			5	No.		
iii)	100KVA	5	No.			5	No.		
iv)	200KVA	6	No.			6	No.		
v)	250KVA	8	No			8	No		
21	Supply & fixing of 3 phase and neutral, 200 Amps. Pole mounted Distribution Panel consisting 200A porcelain cutouts and required Aluminum bus bars for outgoing LT Connections as per Technical Spec No.21.	5	No			05	No		

109	22	Supply, Installation, testing & commissioning of PGVCL / UGVCL / DGVCL/ MGVCCL Approved make or vendor and NABL Lab. Tested 11KV combined C.T.P.T. Unit of following ratios as per Technical Speci No. 22.							
	(a)	50/5	1	No.			3	No.	
	(b)	150/5	1	No.			6	No.	
	(c)	250/5	1	No.			6	No.	
	(d)	300/5	1	No.			3	No.	
	23	Fabrication, supply and fixing of Chain link cage (Fencing) around DP & FP structure including civil work as per Technical Specification No. 23.							
	i)	Around DP Structure	5	Comp Job			5	Comp Job	
	ii)	Around FP Structure	5	Comp Job			5	Comp Job	
	24	Supply, installation, testing & commissioning of AC 3 Phase LT / CT Multifunction DLMS compliance Energy Meter as Per Technical Specification No. 24.	20	No.			20	No.	
	25	Supply, installation, testing & commissioning of AC 3 Phase HT / CT Multifunction DLMS compliance Energy Meter as per Technical Specification No. 25.	20	No.			20	No.	
	26	Muffing to pole & stay as per Technical Specification No. 26	200	M ³			200	M ³	
	27	Painting of pole with supply of paint as per Technical Specification No. 27.	350	No.			350	No	
	28	Providing & Fixing of Chemical Treated Gel Earthing as per Technical Specification No. 28.	50	No.			50	No	-
	29	Providing & connecting following type of earth strip/wire for earth station to equipment as per requirement and as per Technical Spec No. 29.							
	i)	8 SWG GI earthing wire.	300	Mtr			300	Mtr	
	ii)	50X6 mm Hot Dip GI Strip.	100	Mtr			600	Mtr	

30	Supply of MS powder coated dust and vermin proof pedestal type main distribution panel for providing power distribution to entire railway gate area as per Technical Specification no:-30.	10	No			10	No		
31	Hiring of following per shift of 4Hrs. basis as per TechnicalSpeci No. 31.								
a)	Hydra / Heavy Forklift	30	Shift						
(b)	Tractor with trolley	30	Shift						
(c)	Excavator / Pay-loader.	20	Shift						
Total Amount (Part-B): Rs.									
Total Amount of Part-A + Part-B: Rs									

\\ (Rupees_

_____)

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

Signature & Seal
of Contractor

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

Section VII**Drawings****Not applicable**

SECTION VIII

EVIDENCE TOWARDS SITE VISIT

I, Shri _____ authorized representative of M/s. _____
 _____ (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 “**Annual
 rate contract for 11 KV distribution network at license area of DPA at 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 AXEN (E)

SECTION IX

Approved Make List for Electrical Items

Sr. No.	Description	Recommended Makes
1	HT VCB	SIEMENS / CROMPTON GREAVES/ABB/Schneider
1(a)	HV Gas Insulated Breakers	SIEMENS /Schneider/ABB
2	POWER TRANSFORMERS	VOLTAMP/CROMPTON GREAVES /BHARAT BIJLEE/ BHEL/ SIEMENS/ ABB/ Schneider/T&R
3	DISTRIBUTION TRANSFORMERS	EMCO/KIRLOSKAR/PATSON/VOLTAMP/ ABB / Schneider / T&R
4	RESIN CAST TRANSFORMERS	
	A) RESIN CAST IMPREGNATED	VOLTAMP / KIRLOSKAR / EMCO
	B) DRY CAST	VOLTAMP/KIRLOSKAR/EMCO
5	HT XLPE CABLES	POLYCAB/TORRENT/RPG ASIAN/ /GLOSTER/ UNISTAR/ UNISTAR/KEI/FINOLEX/HAVELS
6	LT XLPE CABLES	POLYCAB/TORRENT/RPG ASIAN/ / HAVELLS/ UNISTAR/
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

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 / HAVELLS
25	DOOR BELLS/CALL BELLS	ANCHOR/LEGEND/MK/NORTHWEST
26	MODULAR SWITCHES, SOCKETS, PLATES & BOXES	ANCHOR / MK / NORTHWEST / LEGRAND /HAVELLS / INDOASIAN / SIMENS.
27	PVC CONDUIT/OVAL CONDUIT & CASSING CAPPING AND ACCESSORIES	PRECISION/VULCAN/FINOLEX/ GARWARE/ RESTOPLAST/ SWASTIK / BPI
28	GLS LAMPS & FLUORESCENT LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI / GE
29	HPSV, HPMV & METAL HELIDE LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI / GE
30	IGNITORS FOR HPSV, METAL HELIDE LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI / GE
31	LUMINARIES	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI / GE/C&S
31a	LED LUMINARIES	Philips /Bajaj/Wipro/CG/Surya/Pyrotech/Syska/Nessa/C&S having surge Protection ≥ 10 KV for fittings & internal Surge Protection for Driver of ≥ 4 KV, LED Chip only OSRAM/CREE/Philips Lumileds/Citizen/ with LM-79,80 CERTIFICATION
32	CEILING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
33	WALL MOUNTING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
34	EXHUAST FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
35	HEAVY DUTY INDUSTRIAL WALL MOUNTING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC or its equivalent
36	WATER COOLER	VOLTAS/SHRIRAM USHA/BLUE STAR
37	AIR CONDITIONERS	VOLTAS/CARRIER/BLUESTAR/USHA/ HITACHI/LG/

		SAMSUNG/ONIDA
38	REFRIGERATORS	VOLTAS / CARRIER / BLUESTAR / USHA / HITACHI / LG / SAMSUNG / WHIRLPOOL
39	VOLTAGE STABILIZER	VEELINE / CAPRI
40	INVERTERS	SUKAM / MICROTEK
41	D.G. SETS	
	A) ENGINE	CUMMINS/GREAVES/KIRLOSKAR/ CATERPILLAR/ASHOK LEYLAND /VOLVO
	B) ALTERNATOR	STAMFORD/CROMPTON GREAVES /JYOTI/ KIRLOSKAR ELECTRIC
42	ELECTRIC MOTOR	ALSTOM/CROMPTON GREAVES /SIEMENS/ KIRLOSKAR/ABB
43	WATER PUMPS	SWASTIK / KSB
44	WATER GEYSER	BAJAJ/USHA / CROMPTON GREAVES / SPHEREHOT / RACOLD
45	LUGS & CABLE GLANDS	DOWELLS / JAINSON / BRACO

Note:

In case of supply of Make of material which is not in the DPA approved Make list, the said material should be supplied as per the latest GETCO approved Make list.

In case of supply of Make of material which is neither available in the DPA approved Make list not in the latest GETCO approved Make list, the said material should be supplied as per the Make decided by EIC for which written intimation will be given to the contractor.

Before procurement of material, the Make of the material should be approved by EIC in writing.

**Signature & Seal
of Contractor**

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

SECTION - XI

Permit to Work FormElectrical Division

PTW No. :

Date :

Permit valid only for job mentioned and the maximum validity is only for ____ Hrs./Days from ____ Hrs./Days on ____/____/2021.

(This copy is to be displayed at work site & preserve after closure.)

A. Type of Permit :

Electric ☐ Excavation ☐ Confined Space Entry ☐ Hot Permit ☐ Lifting & Slings
Work at Height.

B. Job Details :

Location :

Job Executed by :

C. Nature of Work :

☐ Civil Job ☐ Backfilling ☐ Dewatering ☐ Excavation ☐ House Keeping ☐ Overhauling

☐ Protection to Cables ☐ Routine Maintenance ☐ Work at Height ☐ Finding of Fault at HT Cable

☐ Finding of Fault at LT Cable ☐ Finding of Fault at 11 KV Switchgear ☐ Finding of Fault at 66 KV Equipment at Yard ☐ Finding of Fault at 66/11 KV Transformer ☐ Finding of Fault at 11/0.440 KV Transformer

☐ Finding of Fault at 440V/220 V Cable ☐ Finding of Fault at Wiring ☐ Finding of Fault at Switchgear

☐ Finding of Fault at HT Panel ☐ Finding of Fault at LT Panel.

D. PPEs & Fire Protection at Site :

Gloves ☐ Helmet ☐ Safety Shoes ☐ Face Shield ☐ Safety Glasses ☐ Dust Mask ☐ Fire Shield
Safety Belt.

E. Isolation List :

S. No.	Isolation of	Tagging Condition	Un-Tagging Condition	Lock

F. Description :

Details	Name, Designation & User ID	Signature
Contractor's Supervisor : I've been communicated & understood the work to be executed and the precautions & safety measures to be taken and agreed to abide by the same.		
Approve : I've checked all the safeguards, and also, verified that it is isolated from all sources of energy, discharged, tested & earthed and all the hazards have been identified, assessed & controlled adequately and I approve this Permit.	JE (E)/Electrical Supervisor	

G. Permit Closure/Cancellation :

Details	Date & Time	Signature	Name & Designation
Job Completed & Permit Closed			JE (E)/ Electrical Supervisor
Job Cancelled / Permit Cancelled			JE (E)/ Electrical Supervisor
Job Pending / Issue New Permit			JE (E)/ Electrical Supervisor

SECTION - XII

Sr. No.	L.C. No.	Incomming Line	Power Off		L.C. Given by whom	Reason for	L.C. Return / Power ON		L.C. Return by whom
			Date	Time			Date	Time	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									

**Signature & Seal
of Contractor**

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

SECTION XIII

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 XIV

(To be Executed on Rs. 300/- Non Judicial Stamp Paper)

Integrity Pact

The Integrity Pact duly signed by authorized person(s) with witnesses are to be submitted by the bidders along with the tender documents.

Bidders are required to sign the integrity pact (as per given below with the tender document), failing which their bid shall be liable for rejection. The “principal” means “Deendayal Port Authority” and “Counterparty” means “Vendor / Supplier/ Contractor”.

If a Counterparty 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 Counterparty 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 Counterparty in such cases.

**Seal & Signature
of Contractor**

Sd/-

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

INTEGRITY PACT

Between

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

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

Preamble

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

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

Section 1 - Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
 - (a) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - (c) The Principal will exclude from the process all known prejudicial persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC / PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

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

- (1) The Bidder(s) / Contractor(s) commits themselves to take all measures necessary to prevent corruption. The Bidder(s) / Contractor(s) commits

themselves to observe the following principles during participation in the tender process and during the contract execution.

- a. The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in tender process or the execution of the contract or to any third person any material or other benefit, which he / she is not legally entitled to, in order to obtain in exchange of advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b. The Bidder(s) / Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids, or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - c. The Bidder(s) / Contractor(s) will not commit any offence, under the relevant Prevention of Corruption Act / Indian Penal Code / PC Act; further the Bidder(s) / Contractor(s) will not use improperly, for purposes of competition, or personal gain, or pass on to others, any information or document provided by the Principal, as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d. The Bidder(s) / Contractor(s) of foreign origin shall disclose the name and address of the Agents / Representatives in India, if any. Similarly, the Bidder(s) / Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s) / Contractor(s). Further, as mentioned in the Guidelines all the payments made to Indian agent / representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is placed at (page Nos. 7-20)
 - e. The Bidder(s) / Contractor(s) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries, in connection with the award of the contract.
 - f. Bidder(s) / Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.
- (2) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

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

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

Section 4 - Compensation for Damages

- (1) If the Principal has disqualified the Bidder(s), from the tender process prior to the award, according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit / Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor, liquidated damages of the Contract Value or the amount equivalent to Security Deposit / Performance Bank Guarantee, whichever is higher.
- (3) The Bidder(s) agrees and undertakes to pay the said amounts, without protest or demur, subject only to condition that, if the Bidder(s) / Contractor(s) can prove and establish that the termination of the contract, after the contract award has caused no damage or less damage than the amount of the liquidated damages, the Bidder/Contractor shall compensate the principal, only to the extent of the damage in the amount proved.

Section 5 - Previous transgression

- (1) The Bidder declares that, no previous transgressions occurred in the last three years with any other company in any country confirming to the anti-corruption approach or with any other Public Sector Enterprises in India, that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of Business dealing".

Section 6 - Equal treatment of all Bidders / Contractors

- (1) In case of a Joint Venture, all the partners of the Joint Venture will enter into agreement with identical conditions as this on which all Bidders.
- (2) There is no provision of sub-contract in the tender, any violation of the same, Contractor shall be held solely responsible for the same.

Section 7 - Criminal charges against violating Bidders / Contractors

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

Section 8 - External Independent Monitor

- (1) The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representative of the parties and performs his / her functions neutrally and independently. The Monitor would have access to all Contract 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 / Contractor. The parties offer to the Monitor the option to participate in such meetings.
- (6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he / she will so inform the Management of the Principal and request

the management to discontinue, or take corrective action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

- (7) The Monitor will submit a written report to the Chairperson of the Board of the Principal, within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- (8) If the Monitor has reported to the Chairperson of the Board of the Principal, a substantiated suspicion of an offence under relevant IPC / PC Act and the Chairperson of the Board of the Principal has not, within reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- (9) The word "**Monitor**" would include both singular and plural.

Section 9 - Pact Duration

- 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 to be valid despite the lapse of this pact, as specified above unless it is discharged / determined by the Chairperson, 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.

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


अधिसारी अभियंता (विद्युत)
(For & on behalf of the Deendayal Port Authority)
Executive Engineer (Elect.)
Deendayal Port Authority

Place : Gandhidham

Date : ____/____/20


Signature of Witness
(Sign, Name & Address)

Amil Rautiya
Room No. 111, Nirman
Building, New Landla

(For & on behalf of the Bidder/Contractor)
(Office Seal)

Signature of Witness
(Sign, Name & Address)

Note: The bidder has to executed Integrity pact agreement with Deendayal Port Authority (as per Bid Response sheet no. 10 and Shri Amiya Kumar Mohapatra, IFoS (Retd.) and Shri Dr. Gopal Dhawan, EX-CMD, have been appointed by DPA as Independent External Monitors and whose address are as under:-

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

(2) Shri Dr. Gopal Dhawan, Ex CMD, MECL
House No. 120, Jai Shakti Vihar
(NHPC Society) P4, Builder Area,
Greate Noida Gautam Budh nagar,
Utter Pradesh-201 315.
Mobile No. 8007771467
Email: gdhawangeologist@gmail.com

SECTION XVI**FORM-23A**

Format of Insurance Surety Bond for Earnest Money Deposit
(To be executed on Non-judicial Stamp Paper of Appropriate value)

Insurance Surety Bond No.....

Date:.....

(Name of Contract)

To: (Name and address of Employer)

WHEREAS (name of Bidder) (hereinafter called "the Bidder") has submitted its Bid dated (date of bid) for the performance of the above named Contract (hereinafter called "the Bid")

KNOW ALL PERSONS by these present that We (name of Insurance Company) of..... KNOW ALL PERSONS by these present that We (name of Insurance Company) of..... (address of Insurance Company) (hereinafter called "the Surety"), are bound unto the Board of Deendayal Port Authority (hereinafter called "the Employer") for the sum of. (amount), for which payment well and truly to be made to the said Employer, the Surety binds itself, its successors and assigns by these presents.

THE CONDITIONS of this obligation are as follows:

1. If the Bidder (a) withdraws or modifies its Bid during the period of bid validity, or (b) adopts corrupt or collusive or coercive or fraudulent practices or defaults under Integrity Pact.
2. If the Bidder, having been notified of the acceptance of its Bid by the Employer during the period of bid validity.
 - (a) fails or refuses to sign the Contract Agreement when required, or
 - (b) fails or refuses to submit the performance security in accordance with the Tender Documents.

We undertake to pay to the Employer up to the above amount upon receipt of its first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer will mention that the amount claimed by it is due, owing to the occurrence of one or both of the two above-named CONDITIONS, and specifying the occurred condition or conditions.

The Surety declares that this Insurance Surety Bond is issued by thename of Insurance Company) as per the applicable rules and regulations of Insurance Regulatory Development Authority of India (IRDAI).

This Insurance Surety Bond will remain in force up to and including (date 90 days after the period of bid validity), and any demand in respect thereof must reach the Surety not later than the above date.

For and on behalf of the Insurance Company

in the capacity of

Common Seal of the Insurance Company with complete address including Tel. Nos./e-Mail Id.

Staff Authority No. of the officer of the Insurance Company/Signatory

INSTRUCTIONS FOR EXECUTION OF INSURANCE SURETY BOND FOR EARNEST MONEY DEPOSIT

1. Insurance Surety Bond for Earnest Money Deposit should be executed on non-judicial Stamp papers of requisite value in accordance with the stamp Act if applicable to that particular state of Indian Union country of executing Insurance Company, where executed. In case the same is issued by an International Insurance Company (it should be registered under insurance Act 1938 or as amended from time to time and approved by the Insurance Regulatory Development Authority of India (IRDAI)) the law prevalent in the country of execution shall prevail for the purpose of Stamp Duty on the Insurance Surety Bond. However, in such a case, the Insurance Surety Bond for Earnest Money Deposit shall be got confirmed by the Bidder through any Indian Scheduled/Nationalized Insurance Company.
2. The executing officers of the Insurance Surety Bond for Earnest Money/Bid Security shall clearly indicate in (block letters) his name, designation, Power of Attorney No./Signing Power No. as well as telephone/ fax numbers with full correspondence address of the issuing Guarantee etc.
3. Each page of the Insurance Surety Bond for Earnest Money Deposit shall be duly signed/initialled by the executing officers and the last page shall be signed in full, indicating the particulars as aforesaid (sub-para 2) under the seal of the Insurance Company
4. Stamp paper shall be purchased in the name of Insurance Company counting the Insurance Surety Bond, after the date 'Notice Inviting Tender', not more than six months prior to execution/issuance of the Insurance Surety Bond. The name of the purchaser should appear at the back side of stamp paper in the Vendors Sing. The issuing insurance Company shall be requested independently for verification/confirmation of the Insurance Surety Bond issued, non-confirmation of which may lead to rejection of 'Insurance Surety Bond'.
5. Irrevocable, valid and fully enforceable Insurance Surety Bond in favour of the Employer (Name of Employer) issued by any Insurance Company registered under insurance Ac amended from

time to time and approved by the insurance Regulatory Development Authority of India (IRDA) in Indian currency (INR) only is acceptable to the Employer.

6. Insurance Surety and for Bid security in original shall be submitted along with the Bid. However, the issuing Insurance Company shall submit an unstamped duplicate copy of Insurance Surety Bond directly by registered post (A.D.) to the Employer (authority inviting tenders) with forwarding letter.

SECTION XV**Form – 8 A****FORMAT FOR INSURANCE SURETY BOND FOR PERFORMANCE GUARANTEE****(To be execute on Non-Judicial Stamp paper of appropriate value)**

(Insurance Surety Bond No.....)

Date

(Name of the Contract)

To:
 The Board of Authorities of the Port of Kandia,
 Deendayal Port Authority
 A.O. Building, P.O.
 Box No. 50,
 Gandhidham-
 Kutch.

Dear Sir,

In consideration of the Board of Deendayal Port Authority of the Port of DEENDAYAL PORT AUTHORITY (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 of the Port of [DEENDAYAL PORT AUTHORITY], its successors and assigns) having awarded to M/s. [Contractor's Name]with its Registered/Head Office at (hereinafter referred to as the 'Contractor', which expression shall unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns), a Contract by issue of Employer's Letter of Acceptance No. dated.and the same having been acknowledged by the Contractor, for..... [Contract sum in figures and words] for..... [Name of the work) and the Contractor having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire Contract equivalent to..... (*)..... of the said value of the aforesaid work under the Contract to the Employer.

We [Name & Address of the Insurance Company) having its Head Office at..... (hereinafter referred to as the 'Surety', which expression shall, unless repugnant to the context of meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Employer, on demand any and all monies payable by the Contractor to the extent of (*) as aforesaid at any time upto (@) [days/month/year] without any demur. reservation, contest, recourse or protest and/or without any reference to the Contractor. Any such demand made by the Employer on the Insurance Company shall be conclusive and

binding notwithstanding any difference between the Employer and the Contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Surety undertakes not to revoke this guarantee during its currency without previous consent of the Employer and further agrees that the guarantees herein contained shall continue to be enforceable till the Employer discharges this guarantee or till [days/month/year) whichever is earlier.

The Employer shall have the fullest liberty, without affecting in any way the liability of the Insurance company under this guarantee, from time to time to extend the time for performance of the Contract by the Contractor. The Employer shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Contractor, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Employer and the Contractor or any other course or remedy or security available to the Employer. The Insurance company shall not be released of its obligations under these presents by any exercise by the Employer of its liberty with reference to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Employer or any other indulgence shown by the Employer or by any other matter or thing whatsoever which under law would, but for this provision have the effect of relieving the Insurance Company.

The Surety declares that this Insurance Surety Bond is issued by the (name of Insurance Company) as per applicable rules and regulations of insurance regulatory development authority of India (IRDAI), and also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Insurance Company as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Employer may have in relation to the Contractor's liabilities.

- i) Our liability under this Insurance Surety Bond shall not exceed (*).....
- ii) This Insurance Surety Bond shall be valid up to(+).....
- iii) We are liable to pay the guaranteed amount or any part thereof under this Insurance Surety Bond only and only if Employer serve upon Insurance Company a written claim or demand on or before@.....

Dated this.....day of.....20.....at.....

WITNESS

Signed for and on behalf of the Insurance Company

1.....
(Signature)

.....
(Signature)

1.....
(Name)

.....
(Name)

Notes:

1. (*) This sum shall be Five percent (5%) of the accepted tender annual value for minimum validity period of 03 years before signing the agreement denominated in the types and proportions of currencies.

 (@) This date will be ninety (90) days, claim period of three months, same shall be extended or renewed for same period, before 03 months of expiry of the previous Performance Guarantee.

 (+) This date will be the date of issue of defect liability Certificate.
2. Insurance Surety Bond should be executed on appropriate stamp paper of requisite value, such stamp paper should be purchased in the name of Issuing Insurance Company, not more than six (6) months prior to execution/issuance of Insurance Surety Bond. The name of the purchaser should appear at the back side of stamp paper in the Vendors Stamp. Insurance Surety Bond should contain rubber stamp of the authorized signatory of the Insurance Company indicating the name, designation and signature/ power of attorney number as well as telephone numbers / e-Mail Id with full correspondence address of the Insurance Company.
 In case the same is issued by an International Insurance Company (it should be registered under Insurance Act 1938 or as amended from time to time and approved by the Insurance Regulatory Development Authority of India (IRDAI)), the law prevalent in the country of execution shall prevail for the purpose of Stamp Duty on the Insurance Surety Bond. However, in such a case, the Insurance Surety Bond shall be got confirmed through any Indian Scheduled/Nationalized Insurance Company.
3. Insurance Surety Bond is required to be submitted directly to the Employer by the issuing Insurance Company (on behalf of Contractor) under registered post (A.D.). The Contractor can submit an advance copy of Insurance Surety Bond to the Engineer.
4. The issuing Insurance Company shall write the name of Insurance Company's controlling branch/ Head Office along with contact details like telephone no., e-Mail Id and full correspondence address in order to get the confirmation of Insurance Surety Bond from that branch/Head office, if so required.