

# Deendayal Port Authority

## Mechanical Engineering Department

### Electrical Division

## **"Upgradation of Substations outside cargo jetty area at DPA "**

**Tender no. EL/AC/2818**

Pre-bid Meeting held on 15.03.2024 at 15:00 hrs. in the chamber of CME AO Building at Gandhidham

### Clarification to the Pre-bid queries


Related Tender Clause					
Sr. No.	Pg No	Clause no	Tender Condition	Queries of Bidders	Clarification of DPA
1. M/s. N. K. Industrial Services					
1			<b>TECHNICAL SPECIFICATION FOR ITEM NO. 1.</b> Technical Specification No. 01 for Item No. 1(b) This includes supply of 11 KV, 630Amp, Indoor Compact Switchgear (Gas Insulated), Extensible on One Side, Motor Driven Spring Charging having 04 nos. Circuit Breaker Modules mentioned as under: □ Module No. 01 & 02 as 11KV Incomer with Metering Facility along with PT and Electrically & mechanically interlocked. □ Module 03 & 04 for 11/0.433 KV distribution transformers. The Circuit breaker module shall be supplied with three position isolator/earthing switch, bus bars, interlocking, earth bar and stored spring energy mechanism. Qty Details of Module No. 1 & 2 1 Stored energy mech. For manual and Motor Driven Spring Charged operation 1 PT for incomer for metering purpose, 11KV/110 v <b>Class 0.2s</b> Multifunction meter. 1 Energy Meter (CT Operated) including provision n fixing of CT with 2..5VA &	1) Kindly allow Supply Class 0.5s C.T Ratio in place of 0.2s in all H.T and RMU Panels.  2) Please consider Siemens /C&S / Schneider Master control relay for All RMU Panel for healthy completion.	The accuracy class for CT & PT is 0.5s  The Master Control Relay shall be latest version of ABB or Siemens as directed.

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			<p>accuracy class 0.5S in both incomer</p> <p>1 circuit breaker 12kV, 6300A</p> <p>1 Control voltage, trip coil 24 V DC</p> <p>1 Protection system: - Relay make &amp; Type: - <b>REF615 of ABB or equivalent of latest version</b> as directed by EIC with provision of external DC Power supply with 1 Hr. backup facility.</p>		
2			<p><b>TECHNICAL SPECIFICATION FOR ITEM NO. 6.</b></p> <p>Erection, Testing and Commissioning of supplied 500 KVA 11/0.433 KV indoor type distribution transformer at site including transformer foundation and civil work. All cable termination in both HV &amp; LV side including termination at LT panels as well as earthing of transformer as per IER. If any alteration/modification required is in the scope of contractor. The work includes all material, tools, equipment and labour and as per direction of EIC.</p>	<p>1) If any old Transformers to be removed kindly provide us details and quantity.</p>	<p>In replacement of old existing transformers of eleven nos., the total new transformers will be eleven. <b>THE OLD TRANSFORMER ARE TO BE SHIFTED AT MAIN STORE SAFELY.</b></p>
3			<p><b>TECHNICAL SPECIFICATION FOR ITEM NO. 10.</b></p> <p>This includes Laying of HT/LT XLPE cable by putting suitable diameter Double Wall Corrugated HDPE pipe, through road/Rail/RCC crossing. If the Road/RCC crossing length more than length of DWC HDPE seamless pipe, then the firm shall join pipes and make a strong and trouble-free connection so that pushing and pulling of cable within such pipes is unaffected and fuss free &amp; then lay across the Road crossing. Single cable shall be passed through one pipe, the excavated stuff shall be disposed off from the Site of work and spread in low laying area. After that re-filling with Fresh River sand cushioning &amp; 300mm CC/RMC work must be done on by proper curing or its restoration to original position. In case of Rail Crossing, firm shall put earthing across rail track, both end, their own cost as per IE rule &amp; act. The DWC HDPE pipe should be laid using Horizontal Boring for all the Road/Railway/RCC crossings.</p>	<p>1) Please describe qty. old cables, Cable size &amp; Location for remove cables</p>	<p>The contractor may visit the site and asses the actual site situation before quoting.</p>


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			Cable lying, which shall include the route marker, cable tagging, dressing, removing the old unused cable from the RCC Trench, appropriate size of glands & ferrule work as per requirement etc.		
4		Section- V, Technical Specification for Item No. 20	<b>TECHNICAL SPECIFICATION FOR ITEM NO. 20.</b> This includes safely Disconnection, removal and shifting of <b>old VCB Panels</b> , LT Panels, cables, any other accessories from existing place to the allotted place at kandla as directed.	1) Please describe qty. of old HT Panels, LT Panels & Cables & Provide us Details of Locations	The contractor may visit the site and asses the actual site situation before quoting.
5		Section VI (Bill of Quantities) of Sr. No. 5	<b>Section VI (Bill of Quantities) of Sr. No. 5</b> Supply of <b>3 star</b> , 11/0.433 KV indoor type distribution transformer of following ratings as per Technical Specification No. 5 (a) 1000 KVA (b) 500 KVA (c) 250 KVA	1) Please specify the level of transformer as per IS.	The transformer shall be of energy efficiency Level <b>1</b> as per relevant IS with up to date amendment .
6		Section VI (Bill of Quantities) of Sr. No. 6	<b>Section VI (Bill of Quantities) of Sr. No. 6</b> Installation, Testing & Commissioning of <b>3 star</b> , 11/0.433 KV indoor type distribution transformer of following ratings as per Technical Specification No.6 (a) 1000 KVA (b) 500 KVA (c) 250 KVA	1) Details related to transformer installation may be clarified.	Installation of level 2 transformers of Rating 1) 1000 KVA 11/0.433 KV – 2 Nos. 2) 500 KVA, 11/0.433 KV – 5 Nos. 3) 250 KVA, 11/0.433 KV – 4 Nos. The work includes Disconnection, Dismantling, Shifting of existing Transformers. Removal of existing MS channels by demolition of concrete floor. Supply and Grouting of new channels/rails of suitable size as per the foundation plan of new transformer. Necessary locking arrangement for transformer wheels shall be ensured. Any civil works to be carried out to match existing system with transformer LV terminal box shall be entirely in contractor's scope.  Removing of existing neutral and body earthing of the transformer as directed.

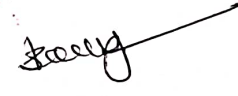
  
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