



DEENDAYAL PORT AUTHORITY
(Erstwhile Deendayal/Kandla Port Trust)
Ministry of Ports, Shipping & Waterways, Govt. of India
Mechanical Engineering Department



Office of the Executive Engineer (Electrical), Ground Floor, Nirman Building, New Kandla, Kutch, Gujarat, Pin Code 370210. Email Id: Deepak.hazra@deendayalport.gov.in

No.: EL/WK/2899/

Date: 26/02/2026

EXPRESSION OF INTEREST [EOI]

**Retrofitting of 02 Nos. of MBE make ELL Cranes
(01 No. 16 T & 01 No. 25 T) in the Cargo Jetty area.**

(This EOI is issued to elicit Expression of Interest from the parties interested in the work and does not constitute any binding commitment from the Deendayal Port Authority to proceed with the work or invite any or all the parties in the subsequent bidding process. (The Open Tenders will be issued subsequently.)

Executive Engineer (Electrical), DPA invites Expression of Interest for the work of "Retrofitting of 02 Nos. of MBE make ELL Cranes (01 No. 16 T & 01 No. 25 T) in the Cargo Jetty area" from the reputed firms from those who have executed similar work in Government / Public Sector and other leading private organizations. The Expression of Interest (EOI) documents containing details of Scope of Work and Technical Specifications are enclosed herewith.

The interested firms are requested to submit their Expression of Interest (EOI) for the said work in BOQ format as enclosed, if any query in Technical specification & BOQ same shall be required to submit along EOI offer. The EOI shall be submitted to the office of the undersigned on or before 09/03/2026. A soft copy of EOI is also acceptable through e- mail Id deepak.hazra@deendayalport.gov.in & anil.rautiya@deendayalport.gov.in

Sd/-
Executive Engineer (E)
Deendayal Port Authority



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SCOPE OF WORK

The Deendayal Port Authority (DPA) is one of the Major Ports in India. The Specification is intended to define the minimum technical requirements, scope of work, quality standards, materials, workmanship, inspection criteria, and performance parameters for the retrofitting and overhauling of the cranes at Deendayal Port Authority (DPA), so as to ensure safe, reliable, and efficient operation of the equipment in accordance with the directions of the Engineer-In-Charge (EIC) and applicable standards. The contractor shall read carefully the tender condition & make the site visit to get familiarized and understand & assess the actual requirement.

The broad scope of the work envisages the followings but not limited to:-

Dismantling, Refitting, Sand Blasting, Chipping, Replacement of the Staircases, Machining work & Lubrication of the LT Wheels, Overhauling of LT Gearbox & Motor, replacement of CRD Cable Frame and doors of Panels & Resistance Bank, replacement of all the Field Safety Devices, replacement of the missing Limit Switches & Sensors, replacement of the Transformer, replacement of Canopies of E-House & Machine House, installation of Cable Tray below the E-House & proper routing of Cables, replacement of HRC Fuses, replacement of Power & Control Cables, replacement of Hoist Thruster Brake Pad, Lubricating of Hoist Wire Rope, Overhauling of Hoist Gear Box & Hoist Motor, Overhauling of Slew Motor, Replacement of LT Joystick, replacement of Air Conditioners, replacement of Boom Pin & Hoist Sheave Pin, repair & Painting of Handrail, Overhauling of Luff Motor, replacement of Lubrication points, Lubrication of Hoist Sheave and throughout Painting.

The contractor shall bring all the materials/spares as per the Schedule – B, Scope of Work and complete the work with Labour.

The Work shall be carried out at the DPA's site with the arrangement of all the Equipment including Testing Equipment, Scaffolding etc.

The stage wise inspection will be carried out as will be decided by the EIC, which will be necessary in the opinion of the EIC.

In case of replacement of any of the Parts, Equipment, Instruments etc. approval shall be obtained from the EIC and also for replacement the material, specification, make, model, frame number shall be same as that of the original one. In case of non-availability of any of the Parts, Instruments, Models, Frame Nos. or in case of discontinuation of any of the



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Instruments, Model, Frame Nos. etc. by the manufacturer; the contractor shall submit the certificate in this regard from the manufacturer or evidence should be produced and shall arrange the same with the latest version. However, if any modification or interfacing unit is required to match, accommodate and work with the existing system, the same shall be done by the contractor free of cost. Also, in case of manufacturing of any of the Equipment, Instruments, Models etc. is totally, i.e. out of manufacturing, then the contractor shall use the equivalent make after obtaining the approval of the EIC & TPIA.

The steel & fabricated materials shall be used as per the existing original of the Crane for which relevant test certificates including laboratory test certificate to be submitted.

The Cranes shall be handed over for the retrofitting work one-by-one and in case of the operational exigency, the delay in handing over may happen for which DPA will consider extension.



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Technical Specifications

➤ **Technical Specifications**

The ELL Crane Retrofitting work is a specialized type of work, required the specialized & experienced team. All the Electrical items shall be used from the approved make list of DPA for which approval to be obtained from the EIC. However, for Mechanical spares/items, either it should be from the OEM or in case of if it is not available, then equivalent should be used, but the construction material shall remain unaltered so far as practicable. However, in case extreme unavoidable situation, alternate source may be used.

➤ **Drawings:**

The contractor shall make the drawing for those parts/works, wherever required or as directed by the EIC.

The Contractor shall submit the dimensional general arrangement drawings of the equipment for various items of the Cranes, wherever applicable, which are all essentially required for future reference.;



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Bill of Quantity

Name of Work : Retrofitting of 02 Nos. of MBE make ELL Cranes (01 No. 16 T & 01 No. 25 T) in the Cargo Jetty area.

Schedule B

SL No	Description	Quantity	Unit	Rate	Amount
1.	16 T ELL Crane Retrofit – Service work of Dismantling, installation & commissioning work as per Scope of work Annexure A	1	No		
2.	16 T ELL Crane Retrofit – Supply as per Annexure B	1	Lot		
3.	25 T ELL Crane Retrofit – Service work of Dismantling, installation & commissioning work as per Scope of work Annexure – C	1	No		
4.	25 T ELL Crane Retrofit – Supply as per Annexure D	1	Lot		
				Total Rs.	

(In words Rupees _____only.)

Note : The rate is inclusive of Taxes, Duties, Transportation, Loading & Unloading, Incidental Charges etc. but excluding the GST.

Sd/-

Signature & Seal of Firm

EXECUTIVE ENGINEER (ELECTRICAL)

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Annexure A

Retrofit Scope of work for 16T MBE Make ELL Crane					
Sl. No	Name of the Part	Qty	Unit	Contractor Scope	Scope Type
LT Section					
1	LT Motor with Gearbox	3	No's	Supply of missing GB with New and others Repair	Supply + Installation + Service
2	CRD System	1	No	Replace with New	Supply + Installation + Service
3	CRD LT Cable	250	Mtrs	Replace with New	Supply + Installation + Service
4	End Buffer	4	No's	New Installation	Supply + Installation + Service
5	DBR	1	No	Replace with New	Supply + Installation + Service
6	Main Transformer	1	No	Replace with New	Supply + Installation + Service
7	Isolation Switch	1	No	Replace with New	Supply + Installation + Service
8	LED Light	10	No's	Replace with New	Supply + Installation + Service
E Room Section					
1	Semiconductor Fuse Hold	3	No's	Replace with New	Supply + Installation + Service
2	Semiconductor Fuse Close	3	No's	Replace with New	Supply + Installation + Service
3	Luff Drive Cover	1	No's	Cover Missing - New Supply	Supply + Installation + Service
4	Drive Power Contactor	1	No's	Replace with New	Supply + Installation + Service
5	Slew Drive Cover	1	No	Cover Missing - New Supply	Supply + Installation + Service
6	Drive Power Contactor	1	No	Replace with New	Supply + Installation + Service
7	Hold DBR	1	No	Replace with New	Supply + Installation + Service
8	Close DBR	1	No	Replace with New	Supply + Installation + Service
9	Slew DBR	1	No	Replace with New	Supply + Installation + Service
10	Luff DBR	1	No	Replace with New	Supply + Installation + Service
Machinery House Section					
1	Hold Motor	1	No	Need to Overhauling	Service
2	Hold Thruster Motor	1	No	Need to Overhauling	Service
3	Hold Thruster Brake	1	No	Need to Overhauling	Service
4	Hold Thruster Brake disc	1	No	Need to Overhauling	Service
5	Hold Thruster Brake Feedback Limit Switch	1	No	Missing -New Installation	Supply + Installation + Service
6	Hold Gearbox	1	No	Need to Overhauling	Service



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7	Hold Wire Rope	2	No's	Replace with New	Supply + Installation + Service
8	Hold Wire Rope Drum	1	No	Need to Overhauling	Service
9	Hold Wire Rope overlap Limit Switch	2	No's	Missing -New Installation	Supply + Installation + Service
10	Close Motor	1	No	Need to overhauling	Service
11	Close Motor Encoder	1	No	Missing -New Installation	Supply + Installation + Service
12	Close Motor Overspeed Switch	1	No	Missing -New Installation	Supply + Installation + Service
13	Close Thruster Motor	1	No	Need to overhauling	Service
14	Close Thruster Brake	1	No	Need to overhauling	Service
15	Close Thruster Brake disc	1	No	Replace with New	Supply + Installation + Service
16	Close Thruster Brake Feedback Limit Switch	1	No	Missing -New Installation	Supply + Installation + Service
17	Close Gearbox	1	No	Need to Overhauling	Service
18	Close Wire Rope	2	No's	Replace with New	Supply + Installation + Service
19	Close Wire Rope Drum	1	No	Need to Overhauling	Service
20	Close Wire Rope overlap Limit Switch	2	No's	Missing -New Installation	Supply + Installation + Service
21	Exhaust fan	2	No's	Missing -New Installation	Supply + Installation + Service
22	Slew Motor	2	No's	Need to Overhauling	Service
23	Slew Thruster Motor	2	No's	Missing -New Installation	Supply + Installation + Service
24	Slew Thruster Brake	2	No's	Replace with New	Supply + Installation + Service
25	Slew Brake Limit Switch	2	No's	Missing -New Installation	Supply + Installation + Service
26	Slew Gearbox	2	No's	Need to Overhauling	Service
27	Maintenance Crane	1	No	Need to Overhauling	Service
Operator Cabin Section					
1	Hold and Close Joystick	1	No	Replace with New	Supply + Installation + Service
2	Luff and Slew Joystick	1	No	Replace with New	Supply + Installation + Service
3	LT Joystick	1	No	Replace with New	Supply + Installation + Service
4	Console with Chair	1	No	Replace with New	Supply + Installation + Service
5	Load Cell System	2	No's	NOT working -Replace with New	Supply + Installation + Service
A- Frame Area					
1	Luff Motor	1	No	Need to Overhauling	Service
2	Luff Thruster Motor	1	No	Need to Overhauling	Service
3	Luff Thruster Brake	1	No	Need to Overhauling	Service



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4	Luff Gearbox	1	No	Need to Overhauling	Service
6	Hold and Close Sheave	10	No's	Need to Overhauling	Supply + Installation + Service
7	Closing Sheave Jip Tip	2	No's	Need to Overhauling	Supply + Installation + Service
8	Wire Rope Guide Roller	16	No's	Replace with New	Supply + Installation + Service
9	Luff Down Limit Switch	1	No	Replace with New	Supply + Installation + Service
Crane Structure and other work					
1	Hand Rail with Staircase	85	Mtrs	Repair	Supply + Installation + Service
2	Platform	20	Sq. Mtrs	Repair	Supply + Installation + Service
3	Monkey Ladder	7	Mtrs	Repair	Supply + Installation + Service
4	Crane Structure Painting	1	Lot	Repair	Supply + Service
5	E Room Canopy	1	No	Repair	Supply + Service
6	Machine Canopy	1	No	Repair	Supply + Service
7	Operator Cabin	1	No	Repair	Supply + Service
8	All Lubrication cleaning and working	1	Lot	Cleaning and Nipples changing	Supply + Service
9	General Internal wiring	1	Lot	Dressing / replacing new	Supply + Service
10	Cable 20%	1	Lot	Dressing / replacing new	Supply + Service
11	Commissioning	1	Lot	Service	Service
12	Crane and Hydra	1	Lot	Supply + Service	Supply + Service

Annexure B

Supply items 16T MBE Make ELL Crane					
Sl. No	Name of the Part	Qty	Unit	Contractor Scope	Scope Type
LT Section					
1	LT Motor with Gearbox	3	No's	Supply of missing GB with New and others Repair	Supply
2	CRD System	1	No	Replace with New	Supply
3	CRD HT Cable	250	Mtrs	Replace with New	Supply
4	End Buffer	4	No's	New Installation	Supply
5	DBR	1	No	Replace with New	Supply
6	Main Transformer	1	No	Replace with New	Supply
7	Isolation Switch	1	No	Replace with New	Supply



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8	LED Light	10	No's	Replace with New	Supply
E Room Section					
1	Semiconductor Fuse Hold	3	No's	Replace with New	Supply
2	Semiconductor Fuse Close	3	No's	Replace with New	Supply
3	Luff Drive	1	No	Cover Missing - New Supply	Supply
4	Drive Power Contactor	1	No	Replace with New	Supply
5	Slew Drive	1	No	Cover Missing - New Supply	Supply
6	Drive Power Contactor	1	No	Replace with New	Supply
7	Hold DBR	1	No	Replace with New	Supply
8	Close DBR	1	No	Replace with New	Supply
9	Slew DBR	1	No	Replace with New	Supply
10	Luff DBR	1	No	Replace with New	Supply
Machinery House Section					
1	Hold Thruster Motor	1	No	Repair	Supply
2	Hold Thruster Brake	1	No	Repair	Supply
3	Hold Thruster Brake disc	1	No	Repair	Supply
4	Hold Thruster Brake Feedback Limit Switch	1	No	Missing -New Installation	Supply
5	Hold Wire Rope	2	No's	Replace with New	Supply
6	Hold Wire Rope overlap Limit Switch	2	No's	Missing -New Installation	Supply
7	Close Motor Encoder	1	No	Missing -New Installation	Supply
8	Close Motor Overspeed Switch	1	No	Missing -New Installation	Supply
9	Close Thruster Motor	1	No	Repair	Supply
10	Close Thruster Brake	1	No	Repair	Supply
11	Close Thruster Brake disc	1	No	Repair	Supply
12	Close Thruster Brake Feedback Limit Switch	1	No	Missing -New Installation	Supply
13	Close Wire Rope	2	No's	Replace with New	Supply
14	Close Wire Rope overlap Limit Switch	2	No's	Missing -New Installation	Supply
15	Exhaust fan	2	No's	Missing -New Installation	Supply
16	Slew Thruster Motor	2	No's	Missing -New Installation	Supply
17	Slew Thruster Brake	2	No's	Replace with New	Supply
18	Slew Brake Limit Switch	2	No's	Missing -New Installation	Supply
Operator Cabin Section					
1	Hold and Close Joystick	1	No	Replace with New	Supply



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2	Luff and Slew Joystick	1	No	Replace with New	Supply
3	LT Joystick	1	No	Replace with New	Supply
4	Console with Chair	1	No	Replace with New	Supply
5	Load Cell System	2	No's	NOT working -Replace with New	Supply
A- Frame Area					
1	Luff Thruster Motor	1	No	Repair	Supply
2	Luff Thruster Brake	1	No	Repair	Supply
3	Hold and Close Sheave	10	No's	Repair / Replace with New	Supply
4	Closing Sheave Jip Tip	2	No's	Repair / Replace with New	Supply
5	Wire Rope Guide Roller	16	No's	Repair / Replace with New	Supply
6	Luff Down Limit Switch	1	No	Replace with New	Supply
Crane Structure and other work					
1	Hand Rail with Staircase	85	Mtrs	Repair	Supply
2	Platform	20	Sq. Mtrs	Repair	Supply
3	Monkey Ladder	7	Mtrs	Repair	Supply
4	Crane Structure Painting	1	Lot	Repair	Only paint supply
5	E Room Canopy	1	No	Repair	Steel supply
6	Machine Canopy	1	No	Repair	Steel supply
7	Operator Cabin	1	No	Repair	Steel supply
8	All Lubrication cleaning and working	1	Lot	Cleaning and Nipples changing	Nipple supply

Annexure C

Retrofit Scope of work for 25 T MBE Make ELL Crane					
Sl. No	Name of the Part	Qty	Unit	Contractor Scope	Scope Type
LT Section					
1	LT Motor with Gearbox	1	No	Supply of missing GB with New and others Repair	Supply + Installation + Service
2	CRD System	1	No	Replace with New	Supply + Installation + Service
3	CRD HT Cable	250	Mtrs	Replace with New	Supply + Installation + Service
4	End Buffer	4	No's	New Installation	Supply + Installation
5	Semiconductor Fuse	3	No's	Replace with New	Supply + Installation + Service
6	DBR	1	No	Replace with New	Supply + Installation + Service
7	Main Transformer	1	No	Replace with New	Supply + Installation + Service
8	Isolation Switch	1	No	Replace with New	Supply + Installation + Service



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9	LED Light	10	No's	Replace with New	Supply + Installation + Service
E Room Section					
1	Hold Drive	1	No	Cover Missing - New Supply	Supply + Installation + Service
2	Close Drive	1	No	Cover Missing - New Supply	Supply + Installation + Service
3	Semiconductor Fuse Hold	3	No's	Replace with New	Supply + Installation + Service
4	Semiconductor Fuse Close	3	No's	Replace with New	Supply + Installation + Service
5	Luff Drive	1	No	Cover Missing - New Supply	Supply + Installation + Service
6	Drive Power Contactor	1	No	Replace with New	Supply + Installation + Service
7	Drive Power Contactor	1	No	Replace with New	Supply + Installation + Service
8	ACB Breaker	1	No	Missing - New Supply	Supply + Installation + Service
9	Hold DBR	1	No	Replace with New	Supply + Installation + Service
10	Close DBR	1	No	Replace with New	Supply + Installation + Service
11	Slew DBR	1	No	Replace with New	Supply + Installation + Service
12	Luff DBR	1	No	Replace with New	Supply + Installation + Service
Machinery House Section					
1	Hold Motor	1	No	Need to Overhauling	Service
2	Hold Thruster Motor	1	No	Repair	Supply + Installation + Service
3	Hold Thruster Brake	1	No	Repair	Supply + Installation + Service
4	Hold Thruster Brake disc	1	No	Repair	Supply + Installation + Service
5	Hold Thruster Brake Feedback Limit Switch	1	No	Missing - New Supply	Supply + Installation + Service
6	Hold Gearbox	1	No	Need to Overhauling	Service
7	Hold Wire Rope	2	No's	Replace with New	Supply + Installation + Service
8	Hold Wire Rope overlap Limit Switch	2	No's	Missing - New Supply	Supply + Installation + Service
9	Close Motor	1	No	Need to Overhauling	Service
10	Close Motor Encoder	1	No	Replace with New	Supply + Installation + Service
11	Close Motor Overspeed Switch	1	No	Replace with New	Supply + Installation + Service
12	Close Thruster Motor	1	No	Repair	Supply + Installation + Service
13	Close Thruster Brake	1	No	Repair	Supply + Installation + Service
14	Close Thruster Brake disc	1	No	Repair	Supply + Installation + Service
15	Close Thruster Brake Feedback Limit Switch	1	No	Missing - New Supply	Supply + Installation + Service
16	Close Gearbox	1	No	Need to Overhauling	Service



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17	Close Wire Rope	2	No's	Replace with New	Supply + Installation + Service
18	Close Wire Rope Drum	1	No	Need to Overhauling	Service
19	Close Wire Rope overlap Limit Switch	2	No's	Missing - New Supply	Supply + Installation + Service
20	Exhaust fan	2	No's	Missing - New Supply	Supply + Installation + Service
21	Slew Motor	2	No's	Need to Overhauling	Service
22	Slew Thruster Motor	2	No's	Missing - New Supply	Supply + Installation + Service
23	Slew Thruster Brake	2	No's	Replace with New	Supply + Installation + Service
24	Slew Brake Limit Switch	2	No's	Missing - New Supply	Supply + Installation + Service
25	Slew Gearbox	2	No's	Need to Overhauling	Service
26	Maintenance Crane	1	No	Repair	Supply + Installation + Service
Operator Cabin Section					
1	Hold and Close Joystick	1	No	Replace with New	Supply + Installation + Service
2	Luff and Slew Joystick	1	No	Replace with New	Supply + Installation + Service
3	LT Joystick	1	No	Replace with New	Supply + Installation + Service
4	Console with Chair	1	No	Replace with New	Supply + Installation + Service
5	Load Cell System	2	No's	Not Working Replace with New	Supply + Installation + Service
A- Frame Area					
1	Luff Motor	1	No	Need to Overhauling	Service
2	Luff Thruster Motor	1	No	Need to Overhauling	Supply + Installation + Service
3	Luff Thruster Brack	1	No	Need to Overhauling	Supply + Installation + Service
4	Luff Gearbox	1	No	Need to Overhauling	Service
5	Hold and Close Sheave	10	No's	Repair	Supply + Installation + Service
6	Closing Sheave Jip Tip	2	No's	Repair	Supply + Installation + Service
7	Wire Rope Guide Roller	16	No's	Replace with New	Supply + Installation + Service
8	Luff Down Limit Switch	1	No	Replace with New	Supply + Installation + Service
Crane Structure and other work					
1	Hand Rail with Staircase	85	Mtrs	Repair	Supply + Installation + Service
2	Platform	20	Sq. Mtrs	Repair	Supply + Installation + Service
3	Monkey Ladder	7	Mtrs	Repair	Supply + Installation + Service
4	Crane Structure Painting	1	Lot	Repair	Supply + Service
5	E Room Canopy	1	No	Repair	Supply + Service
6	Machine Canopy	1	No	Repair	Supply + Service
7	Operator Cabin	1	No	Repair	Supply + Service
8	All Lubrication cleaning and working	1	Lot	Cleaning and Nipples changing	Supply + Service



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9	General Internal wiring	1	Lot	Dressing / replacing new	Supply + Service
10	Cable 20%	1	Lot	Dressing / replacing new	Supply + Service
11	Commissioning	1	Lot	Service	Service
12	Crane and Hydra	1	Lot	Supply + Service	Supply + Service



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Annexure D

Supply Items for 25 Ton MBE Make ELL Crane					
Sl. No	Name of the Part	Qty	Unit	Contractor Scope	Scope Type
LT Section					
1	LT Motor with Gearbox	1	No	Supply of missing GB with New and others Repair	Supply
2	CRD System	1	No	Replace with New	Supply
3	CRD HT Cable	250	Mtrs	Replace with New	Supply
4	End Buffer	4	No's	New Installation	Supply
5	Semiconductor Fuse	3	No's	if requires Replace with New	Supply
6	DBR	1	No	Replace with New	Supply
7	Main Transformer	1	No	Replace with New	Supply
8	Isolation Switch	1	No	Replace with New	Supply
9	LED Light	10	No's	Replace with New	Supply
E Room Section					
1	Hold Drive	1	No	Cover Missing - New Supply	Supply
2	Close Drive	1	No	Cover Missing - New Supply	Supply
3	Semiconductor Fuse Hold	3	No's	Replace with New	Supply + Installation + Service
4	Semiconductor Fuse Close	3	No's	Replace with New	Supply + Installation + Service
5	Luff Drive	1	No	Cover Missing - New Supply	Supply
6	Drive Power Contactor	1	No	Replace with New	Supply
7	Drive Power Contactor	1	No	Replace with New	Supply
8	ACB Breaker	1	No	Missing - New Supply	Supply
9	Hold DBR	1	No	Replace with New	Supply
10	Close DBR	1	No	Replace with New	Supply
11	Slew DBR	1	No	Replace with New	Supply
12	Luff DBR	1	No	Replace with New	Supply
Machinery House Section					
1	Hold Thruster Motor	1	No	Repair	Supply
2	Hold Thruster Brake	1	No	Repair	Supply
3	Hold Thruster Brake disc	1	No	Repair	Supply
4	Hold Thruster Brake Feedback Limit Switch	1	No	Missing - New Supply	Supply
5	Hold Wire Rope	2	No's	Replace with New	Supply
6	Hold Wire Rope overlap Limit Switch	2	No's	Missing - New Supply	Supply
7	Close Motor Encoder	1	No	Replace with New	Supply
8	Close Motor Overspeed Switch	1	No	Replace with New	Supply



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9	Close Thruster Motor	1	No	Repair	Supply
10	Close Thruster Brake	1	No	Repair	Supply
11	Close Thruster Brake disc	1	No	Repair	Supply
12	Close Thruster Brake Feedback Limit Switch	1	No	Missing - New Supply	Supply
13	Close Wire Rope	2	No's	Replace with New	Supply
14	Close Wire Rope overlap Limit Switch	2	No's	Missing - New Supply	Supply
15	Exhaust fan	2	No's	Missing - New Supply	Supply
16	Slew Thruster Motor	2	No's	Missing - New Supply	Supply
17	Slew Thruster Brake	2	No's	Replace with New	Supply
18	Slew Brake Limit Switch	2	No's	Missing - New Supply	Supply
19	Maintance Crane	1	No	Repair	Supply
Operator Cabin Section					
1	Hold and Close Joystick	1	No	Replace with New	Supply
2	Luff and Slew Joystick	1	No	Replace with New	Supply
3	LT Joystick	1	No	Replace with New	Supply
4	Console with Chair	1	No	Replace with New	Supply
5	Load Cell System	2	No's	Not Working Replace with New	Supply
A- Frame Area					
1	Luff Thruster Motor	1	No	Repair	Supply
2	Luff Thruster Brack	1	No	Replace with New	Supply
3	Hold and Close Sheave	10	No's	Repair	Supply
4	Closing Sheave Jip Tip	2	No's	Repair	Supply
5	Wire Rope Guide Roller	16	No's	Replace with New	Supply
6	Luff Down Limit Switch	1	No	Replace with New	Supply
Crane Structure and other work					
1	Hand Rail with Staircase	85	Mtrs	Repair	Steel supply
2	Platform	20	Sq. Mtrs	Repair	Steel supply
3	Monkey Ladder	7	Mtrs	Repair	Steel supply
4	Crane Structure Painting	1	Lot	Repair	Paint supply
5	E Room Canopy	1	No	Repair	Steel supply
6	Machine Canopy	1	No	Repair	Steel supply
7	Operator Cabin	1	No	Repair	Steel supply
8	All Lubrication cleaning and working	1	Lot	Cleaning and Nipples changing	Nipple supply



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Make List of Electrical Items		
Sr. No.	Description	Approved Makes
1	HV VCB	Siemens/Crompton Greaves/ABB/ Schneider
1(a)	HV Gas Insulated Breakers	Siemens/Schneider/ABB
2	Power Transformers	Voltamp/Crompton Greaves/Bharat Bijlee/BHEL/Siemens/ABB/Schneider /T&R
3	Distribution Transformers	EMCO/Kirloskar/Patson/ Voltamp/ABB/Schneider/T&R
4	Resin Cast Transformers	
	A) Resin Cast Impregnated	Voltamp/Kirloskar/EMCO
	B) Dry Cast	VOLTAMP/KIRLOSKAR/EMCO
5	HT XLPE Cables	Polycab/Torrent/RPG Asian/ Gloster/Unistar
6	LT XLPE Cables	Polycab/Torrent/RPG Asian/Rallison / Primecab/Havells/Unistar/Avocab/ Allcab/Adcab
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	Changeover 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



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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/Siemens
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/SuryaRoshni/GE/ NERI
29	HPSV, HPMV & Metal Helide Lamps	Philips/Bajaj/Wipro/Crompton Greaves/ Osram/Surya Roshni/GE



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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/ NERI
31a	LED Luminaries	Philips/Bajaj/Wipro/CG/Surya/ Pyrotech/ Neri/Syska/Nessa having surge Protection ≥10KV for fittings & internal Surge protection for Driver of ≥4KV, LED Chip only Osram/CREE/Philips Lumileds/ Citizen/NiciawithLM-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	EXHUASTFANS	Bajaj/Orient/Usha/Crompton Greaves/ Almonard/GEC
35	Heavy Duty Industrial Wall Mounting Fans	Bajaj/Orient/Usha/Crompton Greaves/ Almonard/GEC
36	Water Cooler	Voltas/Shriram Usha/Bluestar
37	Air Conditioners	Voltas/Carrier/Bluestar/Usha/Hitachi/LG/ Samsung/Onida
38	Refrigerators	Voltas/Carrier/Bluestar/Usha/Hitachi/LG/Samsung/Whirlpool
39	Voltage Stabilizer	Veeline/Capri
40	Inverters	Sukam/Microtek
41	D.G. SETS (a) Engine (b) Alternator	Cummins/Greaves/Kirloskar/ Caterpillar/ Ashok Leyland/Volvo Stamford/Crompton Greaves /Jyoti/Kirloskar Electric
42	Electric Motor	Alstom/Crompton Greaves/Siemens/ Kirloskar/ABB
43	Water Pumps	Swastik/KSB
44	Water Geyser	Bajaj/Usha/Crompton Greaves/ Spherehot /Racold
46	Heat Shrink Joint Kits	3M/Raychem/Yamuna Denson/Vikchem
45	LUGS & Cable Glands	Dowells/Jainson/Braco



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TERMS AND CONDITIONS

1. Time Schedule: The work shall be completed within 09 (Nine) months from the date of issue of written order to commence the Work.
2. 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. The costs of visiting the site shall be at the Bidders' own expense.
3. The rates should be quoted in figures and words both. In case of difference in figure & words, the rate mentioned in words will be considered.
4. The contractor shall affix SEAL along with SIGNATURE in the Offer.
5. The work shall be carried out in accordance with the best standards of workmanship and to the entire satisfaction of the Engineer in-Charge.
6. The contractor shall not deposit any materials at such a place that may cause inconvenience to the public or staff or nearby offices.
7. The Contractor shall execute the work in such a way that not to cause inconvenience to the public or staff or nearby offices and not to cause hindrance to traffic. Necessary barricading shall be done by the contractor at his own cost if required.
8. All tools, plants, scaffolding, ladder etc. and other machinery etc. required temporary for the purpose of execution of work will have to be arranged by the contractor at his own cost and storing of such tools, plants etc. will have to be made by him.
9. All the materials should be got approved from Engineer-in-Charge before put into use.
10. Correction if any should be signed/ initialed by the contractor. White ink correction will not be allowed and lead to rejection of quotation.
11. All the rules and regulations governing DPA will be applicable.
12. After completion of the work, the site should be neatly cleaned by the contractor.
13. The contractor shall ensure not to cause any damages to the port properties in the vicinity of work site during execution of work. If any damage occurs due to workmen/ machinery of the contractor, the contractor has to make good the loss / damage at his cost.
14. For Entry & exist of material and contractor personnel, pass shall be arranged by contractor.
15. All the work shall be carried out to the entire satisfaction of Engineer in-Charge.

Sd/-

Signature & Seal of Firm

Executive Engineer (E)
Deendayal Port Authority