



DEENDAYAL PORT AUTHORITY

ISO 9001:2008 | ISO 14001 | ISPS Compliant Port



Office of Executive Engineer (Electrical), Ground Floor, Nirman Building, New Kandla, Kutch, Pin Code 370210.

No.: EL/AC/2039-II (Extra Item Work)

Date: 21/02/2025

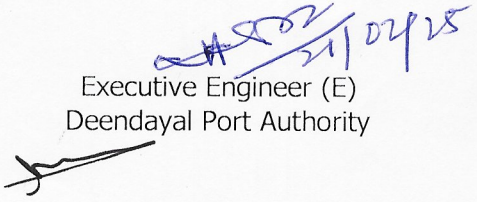
EXPRESSION OF INTEREST [EOI]

"Refurbishment of Power Supply of AO Building"


(This EOI 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.)

Executive Engineer (Electrical), DPA invites Expression of Interest for deriving the rates of the extra items in the work of "Refurbishment of Power Supply of AO Building" from the reputed firms from those who have executed similar work in Government/public sectors and other leading private organizations. The Expression of Interest (EOI) documents containing details of Technical Specifications are enclosed herewith.

The interested firms are requested to submit their rates in the Expression of interest for the said extra item work in BOQ format as enclosed at Annexure – I. The completed EOI (Expression of Interest) shall be submitted to the office of the undersigned on or before 25/02/2025. A scanned copy of EOI duly signed & stamped is also acceptable through e-mail Id deepak.hazra@deendayalport.gov.in


Executive Engineer (E)
Deendayal Port Authority

Sr. No.	Description	Qty.	Unit	Rate	Amount
1	Supply, installation, testing & commissioning of RGBW LED luminaire as per Technical Specification No. 1	42	Ea		
2	Supply, installation, testing & commissioning of RGBW LED luminaire as per Technical Specification No. 2	90	Ea		
3	Supply, installation, testing & commissioning of RGBW LED luminaire as per Technical Specification No. 3	22	Ea		
4	Supply, installation, testing & commissioning of RGBW LED luminaire as per Technical Specification No. 4	22	Ea		
5	Supply, Installation, Testing and Commissioning of RGB LED strip as per Technical Specification No. 5.	10	Ea		
6	Supply, installation, testing & commissioning of PVC insulated & sheathed 3 core, 2.5 Sq. mm copper Cable as per site requirement complete in all respect.	1	Job		
7	Supply, installation, testing & commissioning of copper CAT-6 Cable as per site requirement complete in all respect as directed.	1	Job		
8	Supply, installation, testing & commissioning of IP65 Connectors, DMX, Plug Fitment, Junction Boxes (IP65), hardware and all required accessories as per site requirement complete in all respect as directed.	1	Job		
9	Supply & installation of 4U Rack for DMX Controller	1	Ea		
10	Programming, testing & commissioning of the Facade Lighting as per Technical Specification No. 6	2	Ea		
11	Supply, Installation, Testing & Commissioning of the bollard luminaire 10 watt as per Technical Specification No. 7	47	No.		
12	Supply, Installation, Testing and Commissioning of Outdoor Round Floor Luminaire 20 watt as per Technical Specification No. 8	12	No.		

13	Supply, Installation, Testing and Commissioning of LED Side Glow Flex luminaire as per Technical Specification No. 9.	20	m		
14	Supply, Installation, Testing and Commissioning of surface mounted spike light 12 Watt as per Technical Specification No. 10	50	Ea		
15	Modification in existing LT Distribution Panel as per Technical Specification No. 11	1	Ea		
16	Removing of existing 200mm width GI Cable Tray as per Technical Specification No. 12	50	m		
17	Shifting of existing 200mm width Cable Tray as per Technical Specification No. 13	100	m		
18	Supply & laying of DWC Pipe 32 mm OD in soft soil at a depth of 300 mm as directed.	750	m		
19	Supply & laying of 3 core 1.5 sq.mm. copper conductor PVC insulated cable in existing 32 mm DWC pipe as directed.	400	m		
20	Supply & laying of 4 core 6 sq.mm. aluminium conductor XLPE insulated cable in existing 32 mm DWC pipe as directed.	700	m		
21	Supply & laying of DWC Pipe 75 mm OD in existing trench of 1X1 ft. as directed.	30	m		
22	Excavation of trench of size 1X1 ft. in hard/soft soil including removing and fixing of Paver block as directed.	30	m		
23	Laying of 3.5 C X 185 sq.mm. aluminium conductor XLPE cable through wall clamping with GI clamp of size 20 X 1 mm as directed.	395	m		
24	Excavation of trench of size 1 X 1.5 ft. in hard/soft soil as directed	450	m		
Total					
(In words Rupees _____ only)					
<p>(NOTE: The rates should be inclusive of all taxes, duties, fees, cess etc. and all incidental charges; but exclusive of GST).</p>					
Signature & Seal of Contractor			 Executive Engineer (E) Deendayal Port Authority		

TECHNICAL SPECIFICATION

Technical Specification No. 1:

Supply, installation, testing & commissioning of surface mounted, exterior rated and compact sized linear LED direct view luminaire for façade lighting applications. Luminaire shall be 15W with RGBW (3000K) and opal cover. The length of the luminaire shall be approximately 1m. Luminaire shall have direct view spread lens, through wiring for end-to-end connection and DMX control with up to 12 pixels. Luminaire shall have degree of Ingress Protection level IP66 and Impact Resistance IK08. Life of Luminaire shall be 50,000 burning hours L70B50. CRI of White LEDs shall not be less 80. This item includes supply, erection, testing & commissioning of Leader and Jumper cables as per the site requirement. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 2:

Supply, installation, testing & commissioning of surface mounted, exterior rated and compact sized linear LED direct view luminaire for façade lighting applications. Luminaire shall be 7.5W with RGBW (3000K) and opal cover. The length of the luminaire shall be approximately 0.5m. Luminaire shall have direct view spread lens, through wiring for end-to-end connection and DMX control with up to 12 pixels. Luminaire shall have degree of Ingress Protection level IP66 and Impact Resistance IK08. Life of Luminaire shall be 50,000 burning hours L70B50. CRI of White LEDs shall not be less 80. This item includes supply, erection, testing & commissioning of Leader and Jumper cables as per the site requirement. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 3:

Supply, installation, testing & commissioning of surface mounted, exterior rated LED linear flood light luminaire for wall washing lighting applications. Luminaire shall be 50W with RGBWW (3000K). The length of the luminaire shall be approximately 1m. Luminaire shall be AC powered with integrated driver, various spread lenses, DMX control with up to 6 pixels. Luminaire shall have Beam Angle as per Site Requirement. Luminaire shall have degree of Ingress Protection level IP66 and Impact Resistance IK08. Life of Luminaire shall be 50,000 burning hours L70B50. CRI of White LEDs shall not be less 80. This item includes supply, erection, testing & commissioning of Leader and Jumper cables as per the site requirement. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 4:

Supply, installation, testing & commissioning of surface mounted, exterior rated LED linear flood light luminaire for wall washing lighting applications. Luminaire shall be 27W with RGBWW (3000K). The length of the luminaire shall be approximately 1.5m. Luminaire shall be AC powered with integrated driver, various spread lenses, DMX control with up to 6 pixels. Luminaire shall have Beam Angle as per Site Requirement. Luminaire shall have degree of Ingress Protection level IP66 and Impact Resistance IK08. Life of Luminaire shall be 50,000 burning hours L70B50. CRI of White LEDs shall not be less 80. This item includes supply, erection, testing & commissioning of Leader and Jumper cables as per the site requirement. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 5:

This item includes Supply, Installation, Testing and Commissioning of RGB LED strip. CRI of White LEDs shall not be less 80. The Luminous Flux shall not be less than 2,000 lm and Luminous Efficacy (rated) (Nom) shall not be less than 40 lm/W. Power Consumption shall be approx. 53 W. Material of the Optical cover shall be Silicon tube. Luminaire shall have

degree of Ingress Protection level IP68 and Impact Resistance IK06. The Overall length shall be approx. 5 m. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 6:

This item includes Programming, Testing and Commissioning of the Facade Lighting at A.O. Building to the satisfaction of Engineer-in-Charge. The programming shall be done as per instruction of Engineer-in-Charge. This facade lighting shall have warranty for a period of five years from the date of its commissioning. The contractor shall promptly, Replace the material against manufacturing defects / Rectify the material, on receiving the instruction from Engineer in Charge at contractor's cost. The contractor shall have final & total single point responsibility for performance of the LED facade lighting system.

Technical Specification No. 7:

This item includes Supply, Installation, Testing and commissioning (SITC) of the bollard luminaire shall be designed for surface-mounted installation, ensuring symmetrical light distribution. Luminaire shall be 10 W. The length of the luminaire shall be approximately 750mm. Luminaire shall have degree of Ingress Protection level IP65 and Impact Resistance IK07. The luminaire shall be warm white (CCT 3000 K). The contractor shall construct suitable foundation as per the instruction manual of LED light and as directed by EIC. The pole shall be erected on the constructed foundation. For cable entry & exist suitable size and length of DWC pipe shall be kept in the center of pole foundation during its casting. The work includes termination of 4 core 6 sq.mm. XLPE aluminium conductor cable as per the site requirement. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 8:

Supply, Installation, Testing and commissioning (SITC) of outdoor Round floor luminaire (20 Watt) shall be designed with a minimum spherical aesthetic or better, incorporating a contemporary appearance suitable for various outdoor applications. The enclosure shall be manufactured from a minimum high-quality plastic material or better, ensuring durability and resistance to environmental factors. The enclosure and shade shall feature a minimum uniform white finish or better, providing an elegant and modern design while maintaining light diffusion efficiency. The luminaire shall have a minimum IP65 protection rating or better, guaranteeing dustproof and waterproof performance, ensuring its suitability for long-term outdoor use under varying weather conditions.

The optical component shall comprise a minimum white plastic shade or better, designed to enhance uniform light distribution while maintaining aesthetic appeal. The luminaire shall be equipped with a minimum E27 socket type or better, allowing compatibility with a range of illuminate options for flexible lighting applications. The unit shall be designed to accommodate a minimum E27 illuminate type or better, ensuring ease of maintenance and replacement. The fixture shall be constructed with a minimum height of 600mm or better, with a proportional minimum diameter ensuring stability and structural integrity in outdoor environments. The luminaire shall be engineered for reliable operation while adhering to all relevant quality and performance standards, providing an optimal balance between functionality and contemporary outdoor lighting design. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 9:

Supply, Installation, Testing and commissioning (SITC) of 10 W LED Side Glow Flex luminaire. The dimension of the luminaire shall be approximately 5000X11.5X6.5. Luminaire shall have degree of Ingress Protection level IP65. The luminaire shall be warm white in colour (CCT

3000K) ensuring stable illumination with a minimum Colour Rendering Index (CRI) of 80. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 10 :

This item includes Supply, Installation, Testing and commissioning (SITC) of the spike light shall be for surface-mounted installation. Luminaire shall be 12 W of integrated COB type. Luminaire shall have degree of Ingress Protection level IP65 and Impact Resistance IK06. The spike light shall be installed in Garden area as directed. The work includes termination of 3 core 1.5 sq.mm. PVC insulated copper conductor cable as per the site requirement. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 11

The contractor shall replace the existing MDO type 1 no. of 1250 Amp & 1 no. of 1000 Amp, 50 kA, 415 Volt, Triple Pole Air Circuit Breaker (with Microprocessor released over current, Short circuit and Earth fault relay with Shunt Trip & under Voltage Coil) with new EDO type 2 nos. of 1000 Amp, 50 kA, 415 Volt, Triple Pole Air Circuit Breaker (with Microprocessor released over current, Short circuit and Earth fault relay with Shunt Trip & under Voltage Coil). The contractor shall buyback the removed 2 nos. of MDO type ACBs. The work includes connection of the power circuit and control wiring in the existing LT Power Distribution Panel including disconnection & reconnection of LT power cables as per requirement. The contractor shall provide new 24 V DC, 30 Amp SMPS and shall use the existing Controller of existing AMF Panel for operating the EDO type Breakers as Auto Transfer Switch in the LT Panel along with its control wiring complete in all respect. The modification work carried out in the LT Panel shall be tested & commissioned for auto transfer of the Load in the LT Power Distribution Panel. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.


Technical Specification No. 12:

The item includes removing of the existing 200mm width GI Cable Tray & Cover along with the existing laid cables inside the Tray. The existing LT power cables shall be laid through the Hume Pipe up to the LT Feeder Pillar Panel. The work includes removing of the LT power cable and reconnection for laying the cables in Hume pipes. The removed Cable Tray & Cover shall be shifted to the Store/Substation inside the A.O. Building only as directed by Engineer-in-Charge. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Technical Specification No. 13 :

The item includes shifting of the existing 200mm width GI Cable Tray & Cover along with the existing laid cables inside the Tray as directed by Engineer-in-Charge. The work includes all material, labour, tools & tackles as directed by Engineer-in-Charge.

Signature & Seal of Firm


Executive Engineer (E)
Deendayal Port Authority

TERMS AND CONDITIONS

1. Time Schedule: The work shall be completed within 2 (two) 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