

Validate Print Help

Tender Inviting Authority: Chief Engineer (Projects), ITPO, New Delhi

Name of Work: "Supply, Installation, Testing and Commissioning of Dynamic Programmable façade lighting at Bharat Mandapam, New Delhi."

Contract No: 167-ITPO (16)E-E/CE(P)/24-25

Name of the Bidder/ Bidding Firm / Company :	
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**PRICE SCHEDULE**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	<b>Wash Lights on main façade-all sides</b>					
1.01	Supply, Installation, Testing & Commissioning of RGBW Outdoor rated Uplight light, 200W ±15%, 10000 lumens ±15%, Efficacy> 40lm/W 55° beam ±15%, Dynamic colours and Variable CTC from 1000k-12500K Supply of exterior-rated architectural uplighter, IP66 rated,RGBW flood light complete with Precise Anti Spill LED Lens or antiglare snoot. The power consumption should be 200 watts ±15%, 10000 lumens delivered ±15%, 55° beam angle ±15%, Dynamic colours and separate color temperature channel for CTC control from 1000k-12500K LED from CREE/NICHIA/LUMILED/OSRAM . The housing material should be die-cast aluminum with Electrostatically applied powder coating. The luminaire must come with IK08 impact protection rating. It should have CRI>70 and tight flux binning The driver should be integrated DC with PF>0.9 &. The fixture must come with cable tails for power and DMX. The fixture must be capable of withstanding ambient temperature range of -10°C to 45°C. The lifetime of the luminaire (L70 @ Ta-35deg C) should be at least 100000 burning hours. Luminaire should have C5-High corrosion resistance with self-declaration of ASTM B117 for 1440 hours of salt spray test. The fixtures must comply with the following certifications- BIS Certification/Global CB Certification/IECEE: IEC 60598-2-5 (IEC 60598-1) EU safety: EN 60598-2-5 (EN 60598-1), EN 62471, EN 62493/ IS 10322 The fixtures must be tested for Vibration resistance: 1.0g Sinusoidal (IEC 60068-2-6), 0.7g RMS Random (IEC 60068-2-64), 3.0g (ANSI C136-31) or Fixture must have tested for BS EN 60068-2-6:2008. All mounting accessories shall be stainless steel (Minimum -316)/Polyster powder coated MS/Aluminium for all lighting fixtures. The fixture must have passed wind load test under the following test conditions-Tested according to EN60598-2-5 Static load simulating 60 m/sec or IS 10322 (Part 5/Section 5). wind force without causing failure or permanent set to mount bracket. Luminaire should have Nano technology polyster powder coating or Chlorine Test- Verification of product robustness toward high levels of chloride environment. The luminaire manufacturer shall provide optical performance, polar diagram and photometric data in various formats including IES files in accordance with IES 79-08 This includes all the required hardware for the successful operation of the luminaire. All the technical parameters of the luminaire need approval from the Engineer in Charge	45.000	Each		0.00	INR Zero Only
1.02	Supply, Installation, Testing & Commissioning of very wide 50 degree diffuser microlens externally mounted on fixture etc. Complete as required.	45.000	Each		0.00	INR Zero Only
1.03	Supply, Installation, Testing & Commissioning of Externally mounted baffle snoot for glare control	45.000	Each		0.00	INR Zero Only
2	<b>Wash lights on façade between pillars</b>					

2.01	<p>Supply, Installation, Testing &amp; Commissioning of RGBW Outdoor rated Uplight light, 120W ±15%, 6800 lumens ±15%, Efficacy&gt; 40lm/W 30° beam ±15%, Dynamic colours and Variable CTC from 1000K-12500K</p> <p>Supply of exterior-rated architectural uplighter, IP66 rated, RGBW flood light complete with Precise Anti Spill Lenses or antiglare snoot. The power consumption should be 120 watts ±15%, 6800 lumens delivered ±15%, 30 beam angle ±15%, Dynamic colours and separate color temperature channel for CTC control from 1000K-12500K. LED from CREE/NICHIA/LUMILED/OSRAM or Equivalent. The housing material should be die-cast aluminum with Electrostatically applied powder coating. The luminaire must come with IK08 impact protection rating. It should have CRI&gt;70 and tight flux binning. The driver should be integrated DC with PF&gt;0.9 &amp;. The fixture must come with cable tails for power and DMX.</p> <p>The fixture must be capable of withstanding ambient temperature range of -10°C to 45°C. The lifetime of the luminaire (L70 @ Ta-35deg C) should be at least 100000 burning hours.</p> <p>Luminaire should have CS-High corrosion resistance with self-declaration of ASTM B117 for 1440 hours of salt spray test. The fixtures must comply with the following certifications- BIS Certification/Global CB Certification/IECEE: IEC 60598-2-5 (IEC 60598-1) EU safety: EN 60598-2-5 (EN 60598-1), EN 62471, EN 62493/ IS 10322</p> <p>The fixtures must be tested for Vibration resistance: 1.0g, Sinusoidal (IEC 60068-2-6), 0.7g RMS Random (IEC 60068-2-64), 3.0g (ANSI C136-31) or Fixture must have tested for BS EN 60068-2-6:2008. All mounting accessories shall be stainless steel (Minimum -316)/Polyster powder coated MS/Aluminium for all lighting fixtures.</p> <p>The fixture must have passed wind load test under the following test conditions-Tested according to EN60598-2-5 Static load simulating 60 m/sec or IS 10322 (Part 5/Section 5).</p> <p>wind force without causing failure or permanent set to mount bracket.</p> <p>Luminaire should have Nano technology polyster powder coating or Chlorine Test- Verification of product robustness toward high levels of chloride environment.</p> <p>The luminaire manufacturer shall provide optical performance, polar diagram and photometric data in various formats including IES files in accordance with IES 79-08 This includes all the required hardware for the successful operation of the luminaire. All the technical parameters of the luminaire need approval from the Engineer in Charge</p>	12.000	Each		0.00	INR Zero Only
2.02	Supply, Installation, Testing & Commissioning of wide 30 degree diffuser microlens externally mounted on fixture etc. Complete as required.	12.000	Each		0.00	INR Zero Only
2.03	Supply, Installation, Testing & Commissioning of Externally mounted baffle snoot for glare control etc. Complete as required.	12.000	Each		0.00	INR Zero Only
3	<b>Laying and Jointing PVC Pipe. Heading</b>					
3.01	<p>Supply, Installation, Testing &amp; Commissioning of RGBW Outdoor rated Uplight light, 50W ±15%, 3000 lumens ±15%, Efficacy&gt; 40lm/W 11° beam ±15%, Dynamic colours and Variable CTC from 1000K-12500K</p> <p>Supply of exterior-rated architectural uplighter, IP66 rated, RGBW flood light complete with Precise Anti Spill Lenses or antiglare snoot/Hood. The power consumption should be 50 watts ±15%, 3000 lumens delivered ±15%, 11° beam angle ±15%, Dynamic colours and separate color temperature channel for CTC control from 1000K-12500K usign DMX. LED from CREE/NICHIA/LUMILED/OSRAM . The housing material should be die-cast aluminum with Electrostatically applied powder coating. The luminaire must come with IK08 impact protection rating. It should have CRI&gt;70 and tight flux binning. The driver should be integrated DC with PF&gt;0.92 &amp;. The fixture must come with cable tails for power and DMX.</p> <p>The fixture must be capable of withstanding ambient temperature range of -10°C to 45°C. The lifetime of the luminaire (L70 @ Ta-35deg C) should be at least 100000 burning hours.</p> <p>Luminaire should have CS-High corrosion resistance with self-declaration of ASTM B117 for 1440 hours of salt spray test. The fixtures must comply with the following certifications- BIS Certification/Global CB Certification/IECEE: IEC 60598-2-5 (IEC 60598-1) EU safety: EN 60598-2-5 (EN 60598-1), EN 62471, EN 62493/ IS 10322</p> <p>The fixtures must be tested for Vibration resistance: 1.0g, Sinusoidal (IEC 60068-2-6), 0.7g RMS Random (IEC 60068-2-64), 3.0g (ANSI C136-31) or Fixture must have tested for BS EN 60068-2-6:2008. All mounting accessories shall be stainless steel (Minimum -316)/Polyster powder coated MS/Aluminium for all lighting fixtures.</p> <p>The fixture must have passed wind load test under the following test conditions-Tested according to EN60598-2-5 Static load simulating 60 m/sec or IS 10322 (Part 5/Section 5).</p> <p>wind force without causing failure or permanent set to mount bracket.</p> <p>Luminaire should have Nano technology polyster powder coating or Chlorine Test- Verification of product robustness toward high levels of chloride environment.</p> <p>The luminaire manufacturer shall provide optical performance, polar diagram and photometric data in various formats including IES files in accordance with IES 79-08 . This includes all the required hardware for the successful operation of the luminaire. All the technical parameters of the luminaire need approval from the Engineer in Charge.</p>	52.000	Each		0.00	INR Zero Only
3.02	Supply, Installation, Testing & Commissioning of narrow 11 degree diffuser microlens. Externally mounted on fixture etc. Complete as required.	52.000	Each		0.00	INR Zero Only
3.03	Supply, Installation, Testing & Commissioning of externally mounted baffle snoot for glare control etc. Complete as required.	52.000	Each		0.00	INR Zero Only
4	<b>Linear lights on ramp pillars</b>					
4.01	<p>Supply, Installation, Testing &amp; Commissioning of 312mm ±15% floor surface linear, 10W ±15%, 500 lumens ±15%, Efficacy&gt;50lm/W, 15 x 30° 15° x 45° beam ±15%, Dynamic colours and Variable CTC from 1000K-12500K</p> <p>Supply of 312mm±15% long exterior-rated architectural floor surface mounted, IP66 rated, linear up light complete with antiglare shield. The power consumption should be 10 watts ±15%, 500 lumens delivered ±15%, 15° x 30°/ 15° x 45° beam angle ±15%, Dynamic colours and separate color temperature channel for CTC control from 1000K- 12500K. LED from CREE/NICHIA/LUMILED/OSRAM The housing material should be Extruded/die-cast aluminum with Electrostatically applied polyster powder coating.</p> <p>The luminaire must come with IK08 impact protection rating. It should have CRI&gt;70 and tight flux binning. The driver should be Remote/ integrated DC with PF&gt;0.92 &amp;. The fixture must come with cable tails for power and DMX.</p> <p>The fixture must be capable of withstanding ambient temperature range of -10°C to 45°C. The lifetime of the luminaire (L70 @ Ta-35deg C) should be at least 50000 burning hours.</p> <p>Luminaire should have CS-High corrosion resistance with self-declaration of ASTM B117 for 1440 hours of salt spray test. The fixtures must comply with the following certifications- BIS Certification/Global CB Certification/IECEE: IEC 60598-2-5 (IEC 60598-1) EU safety: EN 60598-2-5 (EN 60598-1), EN 62471, EN 62493/ IS 10322</p> <p>The fixtures must be tested for Vibration resistance: 1.0g, Sinusoidal (IEC 60068-2-6), 0.7g RMS Random (IEC 60068-2-64), 3.0g (ANSI C136-31) or Fixture must have tested for BS EN 60068-2-6:2008. All mounting accessories shall be stainless steel (Minimum -316)/Polyster powder coated MS/Aluminium for all lighting fixtures.</p> <p>The fixture must have passed wind load test under the following test conditions-Tested according to EN60598-2-5 Static load simulating 60 m/sec or IS 10322 (Part 5/Section 5).</p> <p>wind force without causing failure or permanent set to mount bracket.</p> <p>Luminaire should have Nano technology polyster powder coating or Chlorine Test- Verification of product robustness toward high levels of chloride environment.</p> <p>The luminaire manufacturer shall provide optical performance, polar diagram and photometric data in various formats including IES files in accordance with IES 79-08 This includes all the required hardware for the successful operation of the luminaire. All the technical parameters of the luminaire need approval from the Engineer in Charge. Fixture should be supplied with Inbuilt Brckets, &amp; Connecting Cables with IP Connectors. Complete as required.</p>	80.000	Each		0.00	INR Zero Only
4.02	Supply, Installation, Testing & Commissioning of Mounting bracket for fixtures. Each fixture requires 2 nos. Complete as required.	16.000	Each		0.00	INR Zero Only

4.03	Supply and fixing of externally mounted louvre for glare control etc. Complete as required.	20.000	Each		0.00	INR Zero Only
4.04	Supply and fixing of power + data hybrid junction box etc. Complete as required.	8.000	Each		0.00	INR Zero Only
4.05	Supply and fixing of input cable etc. Complete as required.	8.000	Each		0.00	INR Zero Only
4.06	Supply and fixing of extension cables 1 mtr length etc. Complete as required.	160.000	Each		0.00	INR Zero Only
4.07	Supply and fixing of extension cables 5 mtr length etc. Complete as required.	80.000	Each		0.00	INR Zero Only
4.08	Supply and Fixing of end termination cap etc. Complete as required.	8.000	Each		0.00	INR Zero Only
5	<b>DMX Splitter &amp; Controller</b>					
5.01	Supply, Installation, Testing & Commissioning of DMX / RDM Splitter cum Booster etc. Complete as required.	8.000	Each		0.00	INR Zero Only
5.02	Supply, Installation, Testing & Commissioning of Lighting Contorlter etc. Complete as required.	1.000	Each		0.00	INR Zero Only
6	<b>Electrical Allied works</b>					
6.01	Supply and fixing of DMX Cable 2 Core Shilded etc. Complete as required.	2000.000	Mtr		0.00	INR Zero Only
6.02	Supply and fixing of Power Cable 3 Core 2.5 sq. mm etc. Complete as required.	1500.000	Mtr		0.00	INR Zero Only
6.03	Supply and fixing of Power Cable 4 Core 6.0 sq. mm etc. Complete as required.	300.000	Mtr		0.00	INR Zero Only
6.04	Supply and fixing of luminaire Junction Boxes etc. Complete as required.	250.000	Mtr		0.00	INR Zero Only
6.05	Supply and fixing of Field Junction Boxes etc. Complete as required.	12.000	Each		0.00	INR Zero Only
6.06	Supply and fixing of Earthing Pit etc. Complete as required.	2.000	Each		0.00	INR Zero Only
6.07	Supply and fixing of Main Distribution Board etc. Complete as required.	1.000	Each		0.00	INR Zero Only
6.08	Supply and fixing of Single Pole & Two Pole MCB's etc. Complete as required.	1.000	Each		0.00	INR Zero Only
6.09	Supply and fixing of Light Stand & Electrical Accessories etc. Complete as required.	1.000	Each		0.00	INR Zero Only
7	<b>Lighting Design &amp; Programming Charges with satisfaction of engineer in charge etc. Complete as required</b>					
7.01	Lighting Design & Programming Charges with satisfaction of engineer in charge etc. Complete as required	1.000	Job		0.00	INR Zero Only
<b>Total in Figures</b>					<b>0.00</b>	INR Zero Only
<b>Quoted Rate in Words</b>	<b>INR Zero Only</b>					