


09.04.2025

Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi.

Corrigendum I

It is informed that the following is the clarification in respect of Tender ID: 2025_ITPO_854659_1

Sr. No.	Para/Clause	Page No.	Existing provision as per RFP	Modified Provison
1.	Section 13, Item no.2	36	Supply, Installation, Testing and Commissioning of RGBNW architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 400 W and system lumen output of not less than 20,800 lumens and SDCM ≤4.Driver included , Fixture shall be available with 10°- 40° (±10%) . Fixture shall operate in a temperature range of - 10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC, 50/60Hz. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with totalIngress protection code IP66 [Dust penetration-protected, jet-proof].Luminous Efficacy (rated) (Nom) 52 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) >80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories.,Protection class IEC Safety class I, Soft Copy of Catalogues,Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number(IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram, other accessories for fixing the lights, is mandatory complete as required. MAKE: Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells	Supply, Installation, Testing and Commissioning of RGBNW/ RGBWW architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 400 W and system lumen output of not less than 20,800 lumens and SDCM ≤4.Driver included , Fixture shall be available with 10°- 40° (±10%) . Fixture shall operate in a temperature range of - 10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC, 50/60Hz. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with totalIngress protection code IP66 [Dust penetration-protected, jet-proof].Luminous Efficacy (rated) (Nom) 52 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) >80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories.,Protection class IEC Safety class I, Soft Copy of Catalogues,Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number(IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram, other accessories for fixing the lights, is mandatory complete as required. MAKE: Philips/Wipro/ light technologies/OSRAM/ Instapower/ Havells/ Equivalent Make with Similar Specification.

2.	Section 13, Item no.3	37	<p>Supply, Installation, Testing and Commissioning of RGBNW architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 200W and system lumen output of not less than 10975 lumens and SDCM ≤ 4. Driver included, Fixture shall be available with 10°-40° ($\pm 10\%$). Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC, 50/60Hz with $\text{PF} > 0.9$. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection. Luminous Efficacy (rated) (Nom) 55 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) > 80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories., Protection class IEC Safety class I, Soft Copy of Catalogues, Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number (IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram, other accessories for fixing the lights, is mandatory complete as required. MAKE: Philips/Wipro/ light technologies/OSRAM/ Instapower/ Havells</p>	<p>Supply, Installation, Testing and Commissioning of RGBNW/ RGBWW architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 200W and system lumen output of not less than 10975 lumens and SDCM ≤ 4. Driver included, Fixture shall be available with 10°-40° ($\pm 10\%$). Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC, 50/60Hz with $\text{PF} > 0.9$. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection. Luminous Efficacy (rated) (Nom) 55 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) > 80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories., Protection class IEC Safety class I, Soft Copy of Catalogues, Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number (IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram, other accessories for fixing the lights, is mandatory complete as required. MAKE: Philips/Wipro/ light technologies/OSRAM/ Instapower/ Havells/ Equivalent Make with Similar Specification.</p>
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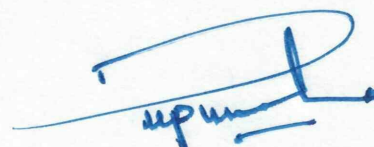
3.	Section 13, Item no.4	37	<p>Supply, Installation, Testing and Commissioning of RGBNW architectural LED flood light with housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 150W and system lumen output of not less than 7175 lumens and SDCM ≤ 4. Fixture shall be available with 10°- 40° ($\pm 10\%$) . Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC , 50/60Hz with PF>0.9. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection.Luminous Efficacy (rated) (Nom) 48 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) >80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories.,Protection class IEC Safety class I, Soft Copy of Catalogues,Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number(IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram is mandatory, other accessories for fixing the lights, complete as required. MAKE: Philips/Wipro/ light technologies/OSRAM/ Instapower/ Havells.</p>	<p>Supply, Installation, Testing and Commissioning of RGBNW/ RGBWW architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 150W and system lumen output of not less than 7175 lumens and SDCM ≤ 4. Fixture shall be available with 10°- 40° ($\pm 10\%$) . Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC , 50/60Hz with PF>0.9. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection.Luminous Efficacy (rated) (Nom) 48 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) >80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories.,Protection class IEC Safety class I, Soft Copy of Catalogues,Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number(IS 10322), IES Files, Type Test, Polar curve, Illuminance diagram is mandatory, other accessories for fixing the lights, complete as required. MAKE: Philips/Wipro/ light technologies/OSRAM/ Instapower/ Havells/ Equivalent Make with Similar Specification.</p>
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4.	Section 13, Item no.5	38	Supply, Installation, Testing and Commissioning of architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 120 W having Correlated Color Temperature (CCT) 2700k3000K and system lumen output of not less than 6245 lumens and SDCM ≤ 4 . Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC , 50/60Hz with PF>0.9. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection.Luminous Efficacy (rated) (Nom) 52 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) >80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories.,Protection class IEC Safety class I, Soft Copy of Catalogues,Type Test, Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number(IS 10322), IES Files, Polar curve, Illuminance diagram is mandatory, other accessories for fixing the lights, complete as required. MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells	Supply, Installation, Testing and Commissioning of architectural LED flood light with housing material of housing material of Die-cast aluminium, electrostatically applied polyester powder coating finish, system wattage not less than 120 W having Correlated Color Temperature (CCT) 2700k3000K and system lumen output of not less than 6245 lumens and SDCM ≤ 4 . Fixture shall operate in a temperature range of -10°C to 50°C. The fixture shall be with integral driver, Fixture shall have input voltage for 220-240 VAC , 50/60Hz with PF>0.9. Lifetime should be at least 50,000 burning hours at L70 @ 35deg with total IP66 protection.Luminous Efficacy (rated) (Nom) 52 lm/W, Fixture shall equipped with mechanical impact of minimum IK06, Color rendering index (CRI) >80 and complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required complete with all the accessories.,Protection class IEC Safety class I, Soft Copy of Catalogues,Type Test, Test Certificates - Third party LM79, LM80, BIS certification with BIS R Number(IS 10322), IES Files, Polar curve, Illuminance diagram is mandatory, other accessories for fixing the lights, complete as required. MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells/ Equivalent Make with Similar Specification.
5	Section 13, Item no.6	38	SITC of LASER Source Moving Head Beam Waterproof, With Max Power 380-400W And with 260W Laser Source, Beam Angle 1° to 5°, CTO - 3000K-8000K Motorised CTO, 19 Colours + White and Rainbow Flow Effect, 29 Inbuilt Gobo Wheel , Prism : One Circular 8 + 24 Prism And One 5Facet Linear Prism With Bi-Directional Rotation, Motorised Linear Focus, Diming : 1-100%, 16Bit, Colling System : Forced Convection, Control Protocol : DMX512, RDM, On board Control, Custom Mode,0-25Hz Strobe, Pan/Tilt rotation : 540°/270°(8-16bit), Housing : Flame- retardant plastic, Die-cast aluminum, Operating Temperature :-20 Degree C to 55 Degree C, Ingress protection : IP66, as per BIS standard as required . Make: LEKSA/CLAYPAKY/UPLUS	SITC of LASER Source Moving Head Beam Waterproof, With Max Power 380-400W And with 260W Laser Source, Beam Angle 1° to 5°, CTO - 3000K-8000K Motorised CTO, 19 Colours + White and Rainbow Flow Effect, 29 Inbuilt Gobo Wheel , Prism : One Circular 8 + 24 Prism And One 5Facet Linear Prism With Bi-Directional Rotation, Motorised Linear Focus, Diming : 1-100%, 16Bit, Colling System : Forced Convection, Control Protocol : DMX512, RDM, On board Control, Custom Mode,0-25Hz Strobe, Pan/Tilt rotation : 540°/270°(8-16bit), Housing : Flame- retardant plastic, Die-cast aluminum, Operating Temperature :-20 Degree C to 55 Degree C, Ingress protection : IP66, as per BIS standard as required . Make: LEKSA/CLAYPAKY/ UPLUS/ Equivalent Make with Similar Specification.



6	Section 13, Item no.7	38	Supply of Content Program Controller with features of Single DMX ports control minimum 300 light addresses, Works as a stand-alone or computer-driven controller, Secure Digital (SD) card drive for flexible show storage, USB 2.0 interface for ownloading shows and configuring from attached PC, Flexible,adaptable mounting options ,Should be provided with light show authoring software, Direct line voltage power supports 100- 240VAC,Minimum Five pre configurable effects :Using light authoring software to select from five pre-defined effects, adjust effect settings such as color, speed, and brightness. Soft Copy of Catalogues with Link of the official web page of Luminaries, Type Test Certificates - relevant BIS R Number, UL Certificates, Third Party IEC 60598 test certificates submission is mandatory. MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells/Nicolaudie.	Supply of Content Program Controller with features of Single DMX ports control minimum 300 light addresses, Works as a stand-alone or computer-driven controller, Secure Digital (SD) card drive for flexible show storage, USB 2.0 interface for ownloading shows and configuring from attached PC, Flexible,adaptable mounting options ,Should be provided with light show authoring software, Direct line voltage power supports 100- 240VAC,Minimum Five pre configurable effects :Using light authoring software to select from five pre-defined effects, adjust effect settings such as color, speed, and brightness. Soft Copy of Catalogues with Link of the official web page of Luminaries, Type Test Certificates - relevant BIS R Number, UL Certificates, Third Party IEC 60598 test certificates submission is mandatory. MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells/Nicolaudie/ Equivalent Make with Similar Specification.
7	Section 13, Item no.8	39	Supply of RDM-6Wall Splitter, should be able to provide 6-output DMX/RDM splitter with DMX/RDM pass-through supporting bi directional communications for discovery, addressing and DMX control of Ethernet/DMX products. This unit takes the incoming DMX/RDM signal and splits the signal into six separate output channels allowing for expanding the number of devices controlled from 32 to 6x32. The output terminals are electronically isolated from the input & RDM through port and share a common ground reference. All six output ports have independent output driver to boost the DMX/RDM signal. Surface or DIN-rail mountable, Isolated DMX/RDM Input/Outputs, Automatic switching between DMX and RDM mode for autodiscovery, Environment-IP20, Interior applications, Finish/ Color-Polycarbonate, Certification: CE Certified.MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells/Nicolaudie.	Supply of RDM-6Wall Splitter, should be able to provide 6-output DMX/RDM splitter with DMX/RDM pass-through supporting bi directional communications for discovery, addressing and DMX control of Ethernet/DMX products. This unit takes the incoming DMX/RDM signal and splits the signal into six separate output channels allowing for expanding the number of devices controlled from 32 to 6x32. The output terminals are electronically isolated from the input & RDM through port and share a common ground reference. All six output ports have independent output driver to boost the DMX/RDM signal. Surface or DIN-rail mountable, Isolated DMX/RDM Input/Outputs, Automatic switching between DMX and RDM mode for autodiscovery, Environment-IP20, Interior applications, Finish/ Color-Polycarbonate, Certification: CE Certified.MAKE: Philips/Wipro/light technologies/OSRAM/Instapower/Havells/Nicolaudie/ Equivalent Make with Similar Specification..

8	Section 13, Item no.9	39	Supply, Installation, Testing and Commissioning of Flexible LED Strip, system wattage not less than 9W and system lumen output of not less than 450 lumens/meter. the color temperature shall be 3000 / 4000 \pm 300 degree kelvin. Fixture shall operate in a temperature range of -10°C to 50°C, IP67 protection. The fixture shall be 24V DC with nonintegral driver and complete with all the accessories and non-integral driver. 50M Length Strip WW .MAKE: Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells.			Supply, Installation, Testing and Commissioning of Flexible LED Strip, system wattage not less than 9W and system lumen output of not less than 450 lumens/meter. the color temperature shall be 3000 / 4000 \pm 300 degree kelvin. Fixture shall operate in a temperature range of -10°C to 50°C, IP67 protection. The fixture shall be 24V DC with nonintegral driver and complete with all the accessories and non-integral driver. 50M Length Strip WW .MAKE: Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells/ Equivalent Make with Similar Specification..		
9.	Section 14	40	S. No	Description of items	Makes	S. No	Description of items	Makes
			1	LED flood light	Philips/ Wipro/ light technologies / OSRAM/ Instapower/ Havells	1	LED flood light	Philips/ Wipro/ light technologies / OSRAM/ Instapower/ Havells / Equivalent Make with Similar Specification.
			2	LASER Source Moving Head	LEKSA,CLAYPAKY, UPLUS	2	LASER Source Moving Head	LEKSA, CLAYPAKY,UPLUS/ Equivalent Make with Similar Specification.
			3	DMX/ Splitter	Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells/ Nicolaudie	3	DMX/ Splitter	Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells/ Nicolaudie/ Equivalent Make with Similar Specification.



Lt. Col. Deependra Mishra
General Manger (Works)

15.04.2025

Design, Supply, Installation, Testing and Commissioning of Dynamic Programmable Façade Lighting at ITPO, Convention Centre, Bharat Mandapam, New Delhi.

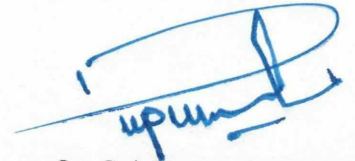
Addendum I

It is informed that the following is the addendum in respect of Tender ID: 2025_ITPO_854659_1

Following information has been added in NIT as “Scope of work”:



1. Complete front facia crown of convention centre marked as 1 in image above to be highlighted by RGBWW/RBGW architectural LED flood light.
2. Second layer of complete front facia as marked 2 in image above to be highlighted by RGBWW/RBGW architectural LED flood light.
3. Third layer of Complete Front Facia marked as 3 in image above to be highlighted by RGBWW/RBGW architectural LED flood light.
4. Natraj Statue marked as 4 in image above to be highlighted by architectural Warm LED flood light.
5. All Y columns marked as 5 in image above to be highlighted by architectural Warm LED flood light.
6. Retreat Lounge marked as 6 in image above to be highlighted by Flexible LED strip light.
7. F&B Lounge marked as 7 in image above to be highlighted by Flexible LED strip light.



Lt. Col. Deependra Mishra
General Manager