## File No. 169/ITPO/BM/EE/CVC/FAÇADE\_LIGHTING/2024-25/01 India Trade Promotion Organisation (Works Division)



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
	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 \( \leq 4.\text{Driver} \) 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. 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.



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2.	Section 13, Item no.3	37	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° (±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) 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

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  $10^{\circ}\text{--}~40^{\circ}$  $(\pm 10\%)$  . 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 (a) 35deg with total 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.



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3.	Section 13,	37	Supply, Installation, Testing and Commissioning
	Item no.4		of RGBNW architectural LED flood light with
			housing material of housing material of Die-cast
			aluminium, electrostatically applied polyester
		1 - 5	powder coating finish, system wattage not less
		100	than 150W and system lumen output of not less
			than 7175 lumens and SDCM ≤4. 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 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
	100		party LM79, LM80, BIS certification with BIS R
		- 1	Number(IS 10322), IES Files, Type Test, Polar
			curve, Illuminance diagram is mandatory, other
		17.	accessories for fixing the lights, 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 150W and system lumen output of not less than 7175 lumens and SDCM ≤4. Fixture shall be available with  $10^{\circ}$ -  $40^{\circ}$  ( $\pm 10\%$ ) . 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 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/ technologies/OSRAM/ Instapower/ Equivalent Make with Similar Specification.



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



6	Section 13,	38	Supply of Content Program Controller with	Supply of Content Program Controller with	1
	Item no.7		features of Single DMX ports control	features of Single DMX ports contro	1
			minimum 300 light addresses, Works as a	minimum 300 light addresses, Works as a	1
		1	stand-alone or computer-driven controller,	stand-alone or computer-driven controller	
			Secure Digital (SD) card drive for flexible	Secure Digital (SD) card drive for flexible	
			show storage, USB 2.0 interface for	show storage, USB 2.0 interface for	
			ownloading shows and configuring from	ownloading shows and configuring from	
			attached PC, Flexible, adaptable mounting	attached PC, Flexible, adaptable mounting	
			options, Should be provided with light show	options ,Should be provided with light show	,
			authoring software, Direct line voltage	authoring software, Direct line voltage	
			power supports 100- 240VAC, Minimum	power supports 100- 240VAC, Minimum	
			Five pre configurable effects :Using light	Five pre configurable effects :Using light	
			authoring software to select from five pre-	authoring software to select from five pre-	
			defined effects, adjust effect settings such as	defined effects, adjust effect settings such as	
			color, speed, and brightness. Soft Copy of	color, speed, and brightness. Soft Copy of	
			Catalogues with Link of the official web	Catalogues with Link of the official web	
			page of Luminaries, Type Test Certificates -	page of Luminaries, Type Test Certificates -	
			relevant BIS R Number, UL Certificates,	relevant BIS R Number, UL Certificates,	
			Third Party IEC 60598 test certificates	Third Party IEC 60598 test certificates	
			submission is mandatory. MAKE:	submission is mandatory. MAKE:	- 1
			Philips/Wipro/light	Philips/Wipro/light	1
			technologies/OSRAM/Instapower/Havells/	technologies/OSRAM/Instapower/Havells/	1
			Nicolaudie.	Nicolaudie/ Equivalent Make with Similar	1
7	Section 13,	39	Completed DDM (W.H. C. P.	Specification.	
1	Item no.8	37	Supply of RDM-6Wall Splitter, should be	Supply of RDM-6Wall Splitter, should be	1
			able to provide 6-output DMX/RDM splitter with DMX/RDM pass-through supporting bi	able to provide 6-output DMX/RDM splitter	1
			directional communications for discovery,	with DMX/RDM pass-through supporting bi	1
			1 11 ' 1 22 22	directional communications for discovery,	1
	14.14	12.4	Ethernet/DMX products. This unit takes the	addressing and DMX control of	
1			incoming DMX/RDM signal and splits the	Ethernet/DMX products. This unit takes the	1
			signal into six separate output channels	incoming DMX/RDM signal and splits the	1
			allowing for expanding the number of	signal into six separate output channels	1
			devices controlled from 32 to 6x32. The	allowing for expanding the number of	
			output terminals are electronically isolated	devices controlled from 32 to 6x32. The	
			from the input & RDM through port and	output terminals are electronically isolated	
			share a common ground reference. All six	from the input & RDM through port and	
			output ports have independent output driver	share a common ground reference. All six	
			to boost the DMX/RDM signal. Surface or	output ports have independent output driver	1
			DIN-rail mountable, Isolated DMX/RDM	to boost the DMX/RDM signal. Surface or DIN-rail mountable, Isolated DMX/RDM	
			Input/Outputs, Automatic switching between	Input/Outputs Automatic switching by	
			DMX and RDM mode for autodiscovery,	Input/Outputs, Automatic switching between DMX and RDM mode for outside	-
			Environment-IP20, Interior applications,	DMX and RDM mode for autodiscovery, Environment-IP20, Interior applications,	-
			Finish/ Color-Polycarbonate, Certification:	Environment-IP20, Interior applications, Finish/ Color-Polycarbonate, Certification:	
			CE Certified.MAKE: Philips/Wipro/light	CE Certified.MAKE: Philips/Wipro/light	
			technologies/OCD AM/Instance /II 11 AI	of certificu. WIAKE. Philips/wipro/light	
200			technologies/OSKAW/Instapower/Havells/N	technologies/OSR A M/Instanovar/Havalla AI	
			technologies/OSRAM/Instapower/Havells/N icolaud ie.	technologies/OSRAM/Instapower/Havells/N icolaudie/ Equivalent Make with Similar	



<b>\{\}</b>	Section 13, Item no.9	39	system lument 3000 shall of to 50° be 24 compleintegra	issioning of a wattage not le output of s/meter. the col / 4000 ± 300 aperate in a temp C, IP67 protect V DC with rete with all the all driver. 50N	Flexible LED Strip, ss than 9W and system not less than 450 or temperature shall be degree kelvin. Fixture perature range of -10°C tion. The fixture shall conintegral driver and exaccessories and non-14 Length Strip WW	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 ± 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 nonintegral driver. 50M Length Strip WW		
	2		.MAKE: Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells.			.MAKE: Philips/ Wipro/ light technologies/ OSRAM/ Instapower/ Havells/ Equivalent Make with Similar Specification		
9	. Section 14	40	S. No	Description of items	Makes		Description of items	
			1		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,UPLU S/ 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)

wpu

## File No. 169/ITPO/BM/EE/CVC/FAÇADE\_LIGHTING/2024-25/01 India Trade Promotion Organisation (Works Division)

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":



- Complete front facia crown of convention centre marked as 1 in image above to be highlighted by RBGWW/RBGNW architectural LED flood light.
- 2. Second layer of complete front facia as marked 2 in image above to be highlighted by RBGWW/RBGNW architectural LED flood light.
- 3. Third layer of Complete Front Facia marked as 3 in image above to be highlighted by RBGWW/RBGNW 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