

**Name of the work:- Supply and Installation of FAÇADE Lighting at Kaloji Kala Kendram Building Balasamudram Hanamkonda .**

**ABSTRACT CUM DETAILED ESTIMATE**

Sno	Description of items	No's	Measurment's			Quantity
			L	B	D	
1	Linear LED Luminaire of Surface Mounted Linear Grazer of size 1000 mm length, made with low copper content extruded aluminum housing, Electro statically applied polyester powder coat finish along with machined aluminum end caps, and a silicon gasket. The fixture should have stainless steel hardware and clear tempered glass. Lumen maintenance should be L80 B10 1,00,000 hrs or higher. IP66 min. with the impact resistance of IK09 min. The operating temperature range should be -5° C to 50° C. Fixtures should be available with various mounting options as per site requirements, Custom Color finish as per consultant request. Fixtures should have a dual chamber thermal design system that allows air to flow between the driver and LED board, maximizing the surface area, and increasing output and the driver should be replaceable. The fixture should be DMX512. The Wattage of the fixture should be TESIO TSSL100W 36W-60W/ 3 Feet Version runs on direct 230VAC/ DC 24 V. The fixture should have delivered a lumen output of 4200lm min. The fixture should be Additive (RGBW)RGB + white 3000K. The fixture should have the flexibility to integrate optics with different beam distributions within the same Electrical board of one fixture. The fixture should have a beam angle of 2.5°/ 5°/ 10°/20°/45°/ 60° / 15°x32°/10°x45°. The fixture should have the dimension Dimensions approx 1000 (L) x 50 mm (H) x 50 mm. Fixture Should be complaint to LM-80 and LM-79 IESNA: an approved method for the Electrical and Photometric Measurements of Solid- State Lighting Products LM-79 testing of the complete luminaire, having a warranty of 07 years	1	x	203		203.00
2	Projector LED Luminaire of Pole Mounted Projector light, made with low copper content extruded aluminum housing, Electro statically applied polyester powder coat finish along with machined aluminum end caps, and a silicon gasket. The fixture should have stainless steel hardware and clear tempered glass. Lumen maintenance should be L80 B10 1,00,000 hrs or higher. IP66 min. with the impact resistance of IK09 min. The operating temperature range should be -5° C to 50° C. Fixtures should be available with various mounting options as per site requirements, Custom Color finish as per consultant request. Fixtures should have a dual chamber thermal design system that allows air to flow between the driver and LED board, maximizing the surface area, and increasing output and the driver should be replaceable. The fixture should be DMX512. The Wattage of the fixture should be TESIO TSS1281 50W-60W runs on direct 230VAC/ DC 24 V. The fixture should have delivered a lumen output of 4200lm min. The fixture should be Additive (RGBW)RGB + white 3000K. The fixture should have the flexibility to integrate optics with different beam distributions within the same Electrical board of one fixture. The fixture should have a beam angle of 2.5°/ 5°/ 10°/20°/45°/ 60° / 15°x32°/10°x45°. Fixture Should be complaint to LM-80 and LM-79 IESNA: an approved method for the Electrical and Photometric Measurements of Solid- State Lighting Products LM-79 testing of the complete luminaire, having a warranty of 07 years	1	x	18		18.00
3	Projector LED Luminaire of Pole Mounted Projector light, made with low copper content extruded aluminum housing, Electro statically applied polyester powder coat finish along with machined aluminum end caps, and a silicon gasket. The fixture should have stainless steel hardware and clear tempered glass. Lumen maintenance should be L80 B10 1,00,000 hrs or higher. IP66 min. with the impact resistance of IK09 min. The operating temperature range should be -5° C to 50° C. Fixtures should be available with various mounting options as per site requirements, Custom Color finish as per consultant request. Fixtures should have a dual chamber thermal design system that allows air to flow between the driver and LED board, maximizing the surface area, and increasing output and the driver should be replaceable. The fixture should be DMX512. The Wattage of the fixture should be TESIO TSS1281 50W-60W runs on direct 230VAC/ DC 24 V. The fixture should have delivered a lumen output of 4200lm min. The fixture should be Additive (RGBW)RGB + white 3000K. The fixture should have the flexibility to integrate optics with different beam distributions within the same Electrical board of one fixture. The fixture should have a beam angle of 2.5°/ 5°/ 10°/20°/45°/ 60° / 15°x32°/10°x45°. Fixture Should be complaint to LM-80 and LM-79 IESNA: an approved method for the Electrical and Photometric Measurements of Solid- State Lighting Products LM-79 testing of the complete luminaire, having a warranty of 07 years	1	x	18		18.00

		1	x	48				48.00
4	Projector LED Luminaire of Pole Mounted Projector light, made with low copper content extruded aluminum housing, Electro statically applied polyester powder coat finish along with machined aluminum end caps, and a silicon gasket. The fixture should have stainless steel hardware and clear tempered glass. Lumen maintenance should be L80 B10 1,00,000 hrs or higher. IP66 min. with the impact resistance of IK09 min. The operating temperature range should be -5° C to 50° C. Fixtures should be available with various mounting options as per site requirements, Custom Color finish as per consultant request. Fixtures should have a dual chamber thermal design system that allows air to flow between the driver and LED board, maximizing the surface area, and increasing output and the driver should be replaceable. The fixture should be DMX512. The Wattage of the fixture should be TESIO TSS1281 50W-60W runs on direct 230VAC/ DC 24 V. The fixture should have delivered a lumen output of 4200lm min. The fixture should be Additive (RGBW)RGB + white 3000K. The fixture should have the flexibility to integrate optics with different beam distributions within the same Electrical board of one fixture. The fixture should have a beam angle of 2.5°/ 5°/ 10°/20°/45°/ 60° / 15°x32°/10°x45°. Fixture Should be complaint to LM-80 and LM-79 IESNA: an approved method for the Electrical and Photometric Measurements of Solid- State Lighting Products LM-79 testing of the complete luminaire, having a warranty of 07 years							
		1	x	12				12.00
5	24V led driver for low voltage fixture in metal casing IP67							
		1	x	30				30.00
6	2DMX Controller and Decoder Signal Cable Kit for 6 Milion Color Programing							
		1	x	30				30.00
7	Supply , installation testing and commissioning of outdoor type external lighting feeder pillar of suitable size made out of M.S. sheet 2mm thick (14 SWG) duly compartmentalized, double door with locking arrangement (IP-65), duly fixed on MS angle iron frame work of size 50mm x 50mm x 6mm, 90 cm long legs out of which 45 cm duly grouted in cement concrete 1:2:4 (1 cement : 2 sand :4 stone aggrete 20mm) and having following accessories mounted inside the cubical panel i/c connection, inter connection with aluminium thimbles, earthing with two nos. earth struds duly painted with power coating and 9 tank process of approved shade complete etc. as required.							
		1	x	1				1.00