



केंद्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

सं.—डीजी/अधीक्षण अभियंता(वै)टास/ नई तकनीक/02
महानिदेशक, के.लो.नि.वि. द्वारा प्रदत्त अधिकारों द्वारा जारी

निर्माण भवन, नई दिल्ली

दिनांक 19.08.2019
भाद्रपद चतुर्थी, 2076

विषय:- Adoption of New & Emerging Technologies by CPWD- issue of DSR & AOR (E&M) items for FAÇADE LIGHTING- regarding

It is hereby notified that DSR & AOR (E&M) Items for FAÇADE LIGHTING have been approved and have become effective with immediate effect. These are available in PDF format at <https://www.cpwd.gov.in/Publication/Final DSR AOR for Item for Facade Lighting.pdf>.

(डी के तुलानी)
अधीक्षण अभियंता (वै)
तकनीकी अनुप्रयोग एवं मानक

फाइल नंबर—ई—9059857/9(नई टेक्नोलॉजी)/मु.अ.(वै)सीएसक्यू/2019

सेवा में, (केवल केंद्रीय लोक निर्माण विभाग की वेबसाइट के माध्यम से)

सभी विशेष महानिदेशक/अतिरिक्त महानिदेशक/मुख्य अभियंता/मुख्य परियोजना प्रबन्धक/अधीक्षण अभियंता/परियोजना प्रबन्धक/कार्यपालक अभियंता, के. लो. नि. वि. को सूचनार्थ एवं आवश्यक कार्रवाई हेतु।



**DSR & AOR (E&M)
ITEMS FOR
FAÇADE LIGHTING**



CPWD
CENTRAL PUBLIC WORKS DEPARTMENT
Ministry of Housing and Urban Affairs

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DELHI SCHEDULE OF RATES (E&M)			
FACADE LIGHTING			
Item No.	Description	Unit	Rate (₹)
1	Supply, Installation, Testing and Commissioning of LED RGB/RGBW floodlighting luminaire for facade lighting with Die-cast aluminium housing, powder-coated finish, of following wattage. Luminaire shall be capable of producing dynamic color changing light for with 16 million colors by DMX/Ethernet based control. The beam angle of the fitting shall be narrow, medium, wide or asymmetric as per the requirement. Luminaire shall be complete with driver and capable of operating at line voltage without any separate power supply from 100-270 V AC, 50 Hz with power factor > 0.9 . Fixture shall be suitable to operate at an ambient temperature range of -10°C to +50°C and shall be IP 65 and IK 06 rated. Lifetime shall be at least L70:50000 burning hours at 50°C. Luminaire shall be conforming to BIS (IS 10322) and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required.		
1.1	600W/580W	Each	290460
1.2	300 W/ 280 W	Each	140100
1.3	250 W	Each	120200
1.4	140 W	Each	75016
1.5	130 W	Each	68389
1.6	110 W/115 W	Each	57050
1.7	90 W	Each	52460
1.8	75 W	Each	49010
1.9	55 W	Each	43007
1.10	45 W/40 W	Each	37240
1.11	30 W	Each	20019

2	<p>Supply, Installation, Testing and Commissioning of LED RGB/RGBW Linear Wall Washer luminaire for Facade lighting with aluminium extruded housing, of following wattage. Luminaire shall be capable of producing dynamic color changing light with 16 million colors by DMX/Ethernet based control. The beam angle of the fitting shall be narrow, medium, wide or asymmetric as per the requirement. Luminaire shall be complete with driver and capable of operating at line voltage without any separate power supply from 100 to 270 V AC, 50 Hz, power factor > 0.9 . Fixture shall be suitable to operate at ambient temperature range of -10°C to +50°C and shall be IP 65 and IK06 rated. Lifetime should be at least L70:50000 burning hours at 50°C. Luminaire shall be conforming to BIS and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required.</p>		
2.1	80 W	Each	56720
2.2	70 W	Each	54100
2.3	60 W	Each	46036
2.4	40 W	Each	39050
2.5	25 W	Each	23130

DELHI ANALYSIS OF RATES (E&M)

FACADE LIGHTING

1 Supply, Installation, Testing and Commissioning of LED RGB/RGBW floodlighting luminaire for facade lighting with Die-cast aluminium housing, powder-coated finish, of following wattage. Luminaire shall be capable of producing dynamic color changing light for with 16 million colors by DMX/Ethernet based control. The beam angle of the fitting shall be narrow, medium, wide or asymmetric as per the requirement. Luminaire shall be complete with driver and capable of operating at line voltage without any separate power supply from 100-270 V AC, 50 Hz with power factor > 0.9 . Fixture shall be suitable to operate at an ambient temperature range of -10°C to +50°C and shall be IP 65 and IK 06 rated. Lifetime shall be at least L70:50000 burning hours at 50°C. Luminaire shall be conforming to BIS (IS 10322) and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required.

1.1	600 W/580 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 600 W/580 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	208825	208825.00
	Cartage @1% of A				2088.25
	Total A				210913.25
	ITC @5% of A				10545.66
	Total				221458.91
	Add 12% GST (MF = 0.1405)				31114.98
	Total				252573.89
	Overhead & Profit @ 15%				37886.08
	TOTAL				290459.98
	Say Rs.				290460
1.2	300 W/ 280 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 300 W/280 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	100724	100724.00
	Cartage @1% of A				1007.24
	Total A				101731.24
	ITC @5% of A				5086.56
	Total				106817.80

	Add 12% GST (MF = 0.1405)				15007.90
	Total				121825.70
	Overhead & Profit @ 15%				18273.86
	TOTAL				140099.56
	Say Rs.				140100
1.3	250 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 250 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	86417	86417.00
	Cartage @1% of A				864.17
	Total A				87281.17
	ITC @5% of A				4364.06
	Total				91645.23
	Add 12% GST (MF = 0.1405)				12876.15
	Total				104521.38
	Overhead & Profit @ 15%				15678.21
	TOTAL				120199.59
	Say Rs.				120200
1.4	140 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 140 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	53932.5	53932.50
	Cartage @1% of A				539.33
	Total A				54471.83
	ITC @5% of A				2723.59
	Total				57195.42
	Add 12% GST (MF = 0.1405)				8035.96
	Total				65231.38
	Overhead & Profit @ 15%				9784.71
	TOTAL				75016.08
	Say Rs.				75016
1.5	130 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				

	Basic Price for 130 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	49168	49168.00
	Cartage @1% of A				491.68
	Total A				49659.68
	ITC @5% of A				2482.98
	Total				52142.66
	Add 12% GST (MF = 0.1405)				7326.04
	Total				59468.70
	Overhead & Profit @ 15%				8920.31
	TOTAL				68389.01
	Say Rs.				68389
1.6	110 W/115 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 110 W/115W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	41016	41016.00
	Cartage @1% of A				410.16
	Total A				41426.16
	ITC @5% of A				2071.31
	Total				43497.47
	Add 12% GST (MF = 0.1405)				6111.39
	Total				49608.86
	Overhead & Profit @ 15%				7441.33
	TOTAL				57050.19
	Say Rs.				57050
1.7	90 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 90 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	37716	37716.00
	Cartage @1% of A				377.16
	Total A				38093.16
	ITC @5% of A				1904.66
	Total				39997.82
	Add 12% GST (MF = 0.1405)				5619.69
	Total				45617.51
	Overhead & Profit @ 15%				6842.63
	TOTAL				52460.13

	Say Rs.				52460
1.8	75 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 75 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	35235.5	35235.50
	Cartage @1% of A				352.36
	Total A				35587.86
	ITC @5% of A				1779.39
	Total				37367.25
	Add 12% GST (MF = 0.1405)				5250.10
	Total				42617.35
	Overhead & Profit @ 15%				6392.60
	TOTAL				49009.95
	Say Rs.				49010
1.9	55 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 55 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	30919.5	30919.50
	Cartage @1% of A				309.20
	Total A				31228.70
	ITC @5% of A				1561.43
	Total				32790.13
	Add 12% GST (MF = 0.1405)				4607.01
	Total				37397.14
	Overhead & Profit @ 15%				5609.57
	TOTAL				43006.71
	Say Rs.				43007
1.10	45 W/40 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 45 W/40 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	26773.5	26773.50
	Cartage @1% of A				267.74
	Total A				27041.24
	ITC @5% of A				1352.06
	Total				28393.30

	Add 12% GST (MF = 0.1405)				3989.26
	Total				32382.56
	Overhead & Profit @ 15%				4857.38
	TOTAL				37239.94
	Say Rs.				37240
1.11	30 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 30 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	14392.5	14392.50
	Cartage @1% of A				143.93
	Total A				14536.43
	ITC @5% of A				726.82
	Total				15263.25
	Add 12% GST (MF = 0.1405)				2144.49
	Total				17407.74
	Overhead & Profit @ 15%				2611.16
	TOTAL				20018.90
	Say Rs.				20019
2	Supply, Installation, Testing and Commissioning of LED RGB/RGBW Linear Wall Washer luminaire for Facade lighting with aluminium extruded housing, of following wattage. Luminaire shall be capable of producing dynamic color changing light with 16 million colors by DMX/Ethernet based control. The beam angle of the fitting shall be narrow, medium, wide or asymmetric as per the requirement. Luminaire shall be complete with driver and capable of operating at line voltage without any separate power supply from 100 to 270 V AC, 50 Hz, power factor > 0.9 . Fixture shall be suitable to operate at ambient temperature range of -10°C to +50°C and shall be IP 65 and IK06 rated. Lifetime should be at least L70:50000 burning hours at 50°C. Luminaire shall be conforming to BIS and shall be complete with all necessary accessories required for proper working of fixture including weather proof connection cables, water proof connectors etc. as required.				
2.1	80 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 80 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	42817.5	42817.50
	Cartage @1% of A				428.18
	Total A				43245.68

	ITC @5% of A				
	Total				43245.68
	Add 12% GST (MF = 0.1405)				6076.02
	Total				49321.70
	Overhead & Profit @ 15%				7398.25
	TOTAL				56719.95
	Say Rs.				56720
2.2	70 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 70 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	38895	38895.00
	Cartage @1% of A				388.95
	Total A				39283.95
	ITC @5% of A				1964.20
	Total				41248.15
	Add 12% GST (MF = 0.1405)				5795.36
	Total				47043.51
	Overhead & Profit @ 15%				7056.53
	TOTAL				54100.03
	Say Rs.				54100
2.3	60 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 60 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	33097.5	33097.50
	Cartage @1% of A				330.98
	Total A				33428.48
	ITC @5% of A				1671.42
	Total				35099.90
	Add 12% GST (MF = 0.1405)				4931.54
	Total				40031.44
	Overhead & Profit @ 15%				6004.72
	TOTAL				46036.15
	Say Rs.				46036
2.4	40 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				

	Basic Price for 40 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	28075	28075.00
	Cartage @1% of A				280.75
	Total A				28355.75
	ITC @5% of A				1417.79
	Total				29773.54
	Add 12% GST (MF = 0.1405)				4183.18
	Total				33956.72
	Overhead & Profit @ 15%				5093.51
	TOTAL				39050.23
	Say Rs.				39050
2.5	25 W				
	Description	Unit	Qty.	Rate	Amount (₹)
	A Material				
	Basic Price for 25 W floodlighting RGB/RGBW luminaire i/c all accessories, fittings, supports etc.	Each	1	16629	16629.00
	Cartage @1% of A				166.29
	Total A				16795.29
	ITC @5% of A				839.76
	Total				17635.05
	Add 12% GST (MF = 0.1405)				2477.73
	Total				20112.78
	Overhead & Profit @ 15%				3016.92
	TOTAL				23129.70
	Say Rs.				23130