

Estimate for Installation of Energy Efficient LED Street Lighting with Smart Controls in Various wards in Pan City Indore under Indore Smart City Project (Package-1)

S. No	UADD SOR Item No	Description	Unit	Qty.	Rate (Rs)	Amount (Rs.)
1	14.1	Supply, laying, testing and commissioning following ISI marked XLPE insulated, Al conductor, armoured, 1.1kV grade cable. By clamping from pole to pole in air as per mpseb norms inclusive of supply and installation of suspension clamps, tension clamps and other hardware as required.				
1	14.1.2	2 CORE ARMoured				
b	14.1.2.3	2Cx10 Sq mm	Mtr	5000	139	693000
2	14.1.8	4 CORE ARMoured				
a	14.1.8.4	4Cx25 Sq mm	Mtr	500	253	126500
3	SOR.NO. 14.1.8/ pg.no.81	Supply, laying, testing and commissioning following ISI marked XLPE insulated, Al conductor, armoured, 1.1kV grade cable underground at 600 mm depth or at safe depth as per site condition. The cable shall be laid in existing 50mm dia PVC pipe. The item includes termination of cable with suitable brass cable gland (at panel end) and aluminium lugs.				
a		(A) 4Cx25 Sq mm	Meters	300	253	75870
4	(MPPWD SOR 42.86)	Supplying & fixing of Aerial bunch cable accessories suspension clamps i/c required attachment for single core cable of approved make on pole with clamp, necessary material as per specification for required size.	Each	100	308	30800
		NON SOR ITEM				
5		Supply and Installation of 32/40 mm 4-5 feet length A class G.I. pipe bracket inclusive of required clamps as per site condition required.	Each	412	450	185400
6		Supply and installation of 25/32 mm 2.5-3 feet length A class G.I. pipe bracket inclusive of required clamps as per site condition required.	Each	2750	375	1031250
7		Supply, installation testing & commissioning of LED street light Luminaires of specified Wattage with IP 66 rating. The fixture should be made of pressure die cast Aluminium / Aluminium Extrusion and clear flat glass, integral control gear, IK 05 or above. The fixture should have lumen maintenance of at least 70% at 50000 burning hours at ambient temp of 35 degree C. The driving current for LED should be Max 1A ±10 %. The efficacy of fixture should be at least 110 lumens/watt. The power factor of driver should be > 0.9 and the THD < 15% & surge. Protection 4KV internal and 10KV external. CRI > 70%. The Fixture should be complete with LED, Driver, and all other accessories. vendor should provide LM 79 and LM 80 Test report. Luminaire. The fixture should be installed on existing poles. Job includes supply and installation, connection of suitable length 3Cx2.5 sqmm cu conductor cable from street lighting fixture to connection box on pole. The job includes supply of all necessary hardware, clamps and mounting accessories, connectors including piercing connectors. Item is inclusive of proper body earthing of lighting fixture. approved Make(philips/keslec/bajaj/wipro/havells/surya)	Each			
(i)		40 to 45 W	Each	1700	3100	5270000
(iii)		70 to 80 W	Each	1390	5400	7506000

