



**Technical Specification**

S. No.	Material Code	Short Description	Detailed Material Description	UOM	Required Quantity
1	1700081527	LED FLD LIT 400WATTS 140 LU 240V 50 HZ	LED FLOOD LIGHT; WATTAGE: 400 WATTS; LUMEN OUTPUT (MIN): 140 LUMENS/WATT; INPUT VOLTAGE: 240 V AC; INPUT FREQUENCY: 50 HZ; POWER FACTOR: 0.95; LED MAKE: NICHIA / CREE / OSRAM / PHILIPS; COLOUR TEMPERATURE: 6000K ± 500K; COLOUR RENDERING INDEX (CRI): >70; TOTAL HARMONIC DISTORTION (THD): ≤10%; INGRESS PROTECTION: IP66; FIXTURE HOUSING: EPOXY POWDER COATED PRESSURE DIE-CAST ALUMINIUM ALLOY WITH TOUGHENED GLASS COVER; FIXTURE MOUNTING: ADJUSTABLE CORROSION-RESISTANT METALLIC CRADLE / BRACKET WITH SS NUTS, BOLTS & SCREWS; STANDARD: IS 16101:2012, IS 16103:2013 (PART 1), IS 10322, LM79; SPECIAL CONDITION: INPUT VOLTAGE RANGE AC 150 V TO 270 V; ADDITIONAL INFORMATION: ADJUSTABLE MOUNTING BRACKETS, BEAM ANGLE 120°	No.	100
2	1700081536	LUMINAIRES WG IN LED ROU 40W 120 LU 240	LUMINAIRES WELL GLASS; TYPE (INTEGRAL-IN / NON-INTEGRAL-NON): IN; TYPE OF LAMP (INCANDESCENT/HPSV/MV/MH/HALOGEN/CFL/LED): LED; SHAPE OF LAMP: ROUND; WATTAGE: 40 W; LUMEN OUTPUT (MIN): 120 LUMENS/WATT; INPUT VOLTAGE IN VOLTS: 240 V; INPUT FREQUENCY: 50 HZ ± 3%; POWER FACTOR: 0.95; COLOUR TEMPERATURE: 6000K ± 500K; COLOUR RENDERING INDEX (CRI): >70; TOTAL HARMONIC DISTORTION (THD): ≤10%; INGRESS PROTECTION: IP66; FIXTURE HOUSING: EPOXY POWDER COATED PRESSURE DIE-CAST ALUMINIUM ALLOY WITH TOUGHENED GLASS COVER, LED & DRIVER HOUSED IN DEDICATED COMPARTMENT WITH INDEPENDENT COVERS; FIXTURE MOUNTING: SS NUTS, BOLTS & SCREWS, EYE BOLT WITH ANTI-VIBRATION RUBBER PAD FOR SUSPENSION MOUNTING; STANDARD: IS 16101:2012, IS 16103:2013 (PART 1), IS 10322, LM79; SPECIAL CONDITION: INPUT VOLTAGE RANGE AC 150 V TO 270 V, DRIVER WITH INBUILT SURGE PROTECTION MINIMUM 5.0 KV; ADDITIONAL INFORMATION: LED MAKE – NICHIA / CREE / OSRAM / PHILIPS	No.	1000
3	1700081525	LUMINAIRES WG IN LED ROU 80W 120LNF 240	LUMINAIRES WELL GLASS; TYPE (INTEGRAL-IN / NON-INTEGRAL-NON): IN; TYPE OF LAMP (INCANDESCENT/HPSV/MV/MH/HALOGEN/CFL/LED): LED; SHAPE OF LAMP: ROUND; WATTAGE: 80 W; LUMEN OUTPUT (MIN): 120 LN/W; INPUT VOLTAGE IN VOLTS: 240 V; INPUT FREQUENCY: 50 HZ ± 3%; POWER FACTOR: 0.95; COLOUR TEMPERATURE: 6000K ± 500K; COLOUR RENDERING INDEX (CRI): >70; TOTAL HARMONIC DISTORTION (THD): ≤10%; INGRESS PROTECTION: IP66; FIXTURE HOUSING: EPOXY POWDER COATED PRESSURE DIE-CAST ALUMINIUM ALLOY WITH TOUGHENED GLASS COVER, LED & DRIVER HOUSED IN DEDICATED COMPARTMENT WITH INDEPENDENT COVERS; FIXTURE MOUNTING: SS NUTS, BOLTS & SCREWS, EYE BOLT WITH ANTI-VIBRATION RUBBER PAD FOR SUSPENSION MOUNTING; STANDARD: IS 2206-1 (1984), IS 16101:2012, IS 16103:2013 (PART 1), IS 10322, LM79; SPECIAL CONDITION: INPUT VOLTAGE RANGE AC 150 V TO 270 V, DRIVER WITH INBUILT SURGE PROTECTION MINIMUM 5.0 KV, GAS GROUP IIA & IIB, TEMPERATURE CLASS T5; ADDITIONAL INFORMATION: LED MAKE – NICHIA / CREE / OSRAM / PHILIPS	No.	1000
4	1700081531	LUMINAIRES HB IN LED LIN 200W 140 LU 240	LUMINAIRES HIGH BAY; TYPE (INTEGRAL-IN / NON-INTEGRAL-NON): IN; TYPE OF LAMP (INCANDESCENT/HPSV/MV/MH/HALOGEN/CFL/LED): LED; SHAPE OF LAMP: LINEAR; WATTAGE: 200 W; LUMEN OUTPUT (MIN): 140 LUMENS/WATT; INPUT VOLTAGE IN VOLTS: 240 V; INPUT FREQUENCY: 50 HZ ± 3%; POWER FACTOR: 0.95; COLOUR TEMPERATURE: 6000K ± 500K; COLOUR RENDERING INDEX (CRI): >70; TOTAL HARMONIC DISTORTION (THD): ≤10%; INGRESS PROTECTION: IP66; FIXTURE HOUSING: EPOXY POWDER COATED PRESSURE DIE-CAST ALUMINIUM ALLOY WITH TOUGHENED GLASS COVER, LED & DRIVER HOUSED IN DEDICATED COMPARTMENT WITH INDEPENDENT COVERS; FIXTURE MOUNTING: EYE BOLT WITH ANTI-VIBRATION RUBBER PAD FOR SUSPENSION MOUNTING, SS NUTS, BOLTS & SCREWS; STANDARD: IS 16101:2012, IS 16103:2013 (PART 1), IS 10322, LM79; SPECIAL CONDITION: LED MAKE – NICHIA / CREE / OSRAM / PHILIPS; ADDITIONAL INFORMATION: DRIVER WITH INBUILT SURGE PROTECTION MINIMUM 5.0 KV, STANDARD 60° BEAM ANGLE	No.	50
5	1700325326	Luminaires Street Light LED 70 Watt	LUMINAIRES STREET LIGHT LED; TYPE (INTEGRAL-IN / NON-INTEGRAL-NO): IN; CHIP ON BOARD / SURFACE MOUNT: SURFACE MOUNT (S TYPE); LIGHT TYPE (SOFT WHITE / BRIGHT WHITE / DAYLIGHT): DAYLIGHT; WATTAGE: 70–80 W; LUMEN OUTPUT (MIN): 8400 LUMEN; INPUT VOLTAGE IN VOLTS: 240 V; INPUT FREQUENCY: 50 ± 3% HZ; POWER FACTOR: ≥ 0.95; COLOUR TEMPERATURE: 6000 ± 500 K; COLOUR RENDERING INDEX (CRI): >70; TOTAL HARMONIC DISTORTION (THD): ≤10%; INGRESS PROTECTION: IP66; FIXTURE HOUSING: EPOXY POWDER COATED PRESSURE DIE-CAST ALUMINIUM ALLOY, LED & DRIVER HOUSED IN DEDICATED COMPARTMENT WITH INDEPENDENT COVERS FOR ACCESS; FIXTURE MOUNTING: SUITABLE FOR POLE MOUNTING, POLE OD ≥ 50 MM; STANDARD: IS 16101:2012, IS 16103:2013 (PART 1), IS 10322-1; ADDITIONAL INFORMATION: DRIVER WITH INBUILT SURGE PROTECTION 4 KV, SYSTEM LUMEN EFFICACY ≥ 120 LUMENS/WATT, INDIVIDUAL LEDS WITH SECONDARY LENS OPTICS	No.	100
6	1700324897	Luminaires Street Light LED 150 Watt	LUMINAIRES STREET LIGHT LED; TYPE (INTEGRAL-IN / NON-INTEGRAL-NO): IN; CHIP ON BOARD / SURFACE MOUNT: SURFACE MOUNT (S TYPE); LIGHT TYPE (SOFT WHITE / BRIGHT WHITE / DAYLIGHT): DAYLIGHT; WATTAGE: 140–150 W; LUMEN OUTPUT (MIN): 18000 LUMEN; INPUT VOLTAGE IN VOLTS: 240 V; INPUT FREQUENCY: 50 ± 3% HZ; POWER FACTOR: ≥ 0.95; COLOUR TEMPERATURE: 6000 ± 500 K; COLOUR RENDERING INDEX (CRI): >70; TOTAL HARMONIC DISTORTION (THD): ≤10%; INGRESS PROTECTION: IP66; FIXTURE HOUSING: EPOXY POWDER COATED PRESSURE DIE-CAST ALUMINIUM ALLOY, LED & DRIVER HOUSED IN DEDICATED COMPARTMENT WITH INDEPENDENT COVERS FOR ACCESS	No.	500