

ANNEXURE V

List of components of Solar LED Street Lighting / Flood Lighting System Approved for Installation work. [Applicable for all Empaneled Agencies]

Category	Make and Model No. of the Luminaire	Make and Model No. of PV Modules	Make and Model No. of Batteries	Make and Model No. of LED
Model A	1. Bajaj Electricals – LIT P 21L WH HW LF MP 2. Philips – BRP501 LED60S Solar CW 3. Usha Electronics – LUXION SL 14W 4. BAJAJ ELECTRICALS - BSS LIT P 21L WH HW LF MP 5. Ammini Solar – LEDon14 W	1. Insolation Energy Pvt Ltd – LFV12VS60W/80W 2. Innovative Solar Solutions Ltd. – INV-P-12V-60Wp/80Wp 3. Rhine – RSL36C-60Wp 4. Ritika Systems Pvt Ltd – RSPLM12CP60 5. Sri Savitr Solar Pvt. Ltd.– SSSPL-60 6. Ameya Solar & Semiconductors – ASSPL-1230*2Nos (60Wp) 7. Waaree Energies Ltd.– WS-60/12V 8. Icon Solar-En Power Technologies Private Ltd. – ISEN 75	1. Bodhi Energy Solutions– BES- LP-1224, BES-LP-1225-IFR32700-6000mAh – 2 Nos 2. TRONTEK – TKLi-1230 3. RCRS Innovations Pvt Ltd.- EXG12830L (384 Wh) 4. Evolute Solutions Pvt Ltd. – LLF-C26000-4S5P (12.8V, 30 Ah) 5. Fusion Power Systems – ATLP1230 6. Future Hi-Tech Batteries Limited – FR167, (12.8vx42 Ah=537Wh) 7. Explore Synergy Synocare - ESPL12836	1. BRIDGELUX – BXEP-27E-525-06A 2. OSRAM–GW CSSRM2.EM 3. OSRAM, Model – DURIS S8 (5W)
Model B	1. Philips – BRP710 LED30 CW 60MO PDIM30 BLE SOLAR IN 2. Ecomate Energy Solutions – ECOMATE AIO16W	1. Insolation Energy Pvt Ltd – LFV12VS60W 2. Innovative Solar Solutions Ltd. – INV-P-12V-60Wp 3. Rhine – RSL36C-60Wp 4. Ritika Systems Pvt Ltd – RSPLM12CP60 5. Sri Savitr Solar Pvt. Ltd. – SSSPL-60 6. Ameya Solar & Semiconductors– ASSPL- 1230*2Nos (60Wp) 7. Waaree Energies Ltd – WS-60/12V 8. Icon Solar-En Power Technologies Private Ltd. – ISEN 75 9. Greenbrilliance Renewable Energy LLP – GBPLC-36-060	1. Bodhi Energy Solutions– BES- LP-1224, BES-LP-1225-IFR32700-6000mAh – 2 Nos or BES-LP-1230, IFR32700-6000mAh (384 Wh) 2. TRONTEK – TKLi-1230 3. RCRS Innovations Pvt Ltd. - EXG12830L 4. Evolute Solutions Pvt Ltd – LLF-C26000-4S5P 5. Fusion Power Systems– ATLP1230 6. Future Hi-Tech Batteries Limited – FR167 7. Explore Synergy Synocare - ESPL12836	1. BRIDGELUX – BXEP-27E-525-06A 2. OSRAM–GW CSSRM2.EM 3. OSRAM– DURIS S8 (5W) 4. BRIDGELUX – SMD5050/BXEP-57C

Model C	1. Ecomate Energy Solutions - Ecomate 24W 2. Philips – BRP501 LED60S SOLAR CW 3. Usha Electronics– LUXION 20W 4. BAJAJ ELECTRICALS - BSS LIT P30L WH HW LF MP 5. Ammini Solar – LEDon20 W	1. Innovative Solar Solutions Ltd – INV-P-12V-100W/125W 2. Insolation Energy Pvt Ltd – LFV12VS100 W /125 W 3. Rhine Solar Ltd.– RSL36C-100Wp 4. Sri Savitr Solar Pvt. Ltd. – SSSPL-100 5. Ameya Solar & Semiconductors – ASSPL-12100 6. Waaree Energies Ltd. – WS-100/12V 7. Icon Solar-En Power Technologies Private Ltd.– ISEN 125	1. Bodhi Energy Solutions– BES- LP-1224, BES-LP-1225, 2 Nos 2. TRONTEK, Model – TKLi-1242 3. RCRS Innovations Pvt Ltd- EXG12842L; Evolute Solutions Pvt Ltd. – LLF-C26000-4S7P (12.8 V, 42 Ah) 4. Future Hi-Tech Batteries Limited – FR210 – 12.8 V, 60 Ah 5. Explore Synergy Synocare - ESPL12848 6. Fusion Power Systems , ATLP1224 (307 Wh x 2 Nos)	1. Osram Opto Semiconductors- OSRAM/GWCSSRM2.EM 2. OSRAM, Model – DURIS S5 (1W) 3. BRIDGELUX - BXEP-27E-525-06A
Model D	1. Ecomate Energy Solutions– Ecomate 30W 2. Philips, Model – BRP501 LED60S SOLAR CW 3. Usha Electronics– LUXION 24W 4. BAJAJ ELECTRICALS - BSS LIT P37L WH HW LF MP	1. Innovative Solar Solutions Ltd INV-P-12V-100wp/125wp 2. Insolation Energy Pvt Ltd – LFV12VS100 W /125 W 3. Rhine solar Ltd. – RSL36C-100Wp 4. Sri Savitr Solar Pvt. Ltd. – SSSPL-100 5. Ameya Solar & Semiconductors– ASSPL-12100 6. Waaree Energies Ltd. – WS-100/12V 7. Icon Solar-En Power Technologies Private Ltd. - ISEN 125	1. BODHI ENERGY SOLUTIONS– BES- LP-1224, or BES-LP-1225, 2 Nos 2. TRONTEK, Model – TKLi-1242 3. RCRS Innovations Pvt Ltd. - EXG12842L 4. Evolute Solutions Pvt Ltd. – LLF-C26000-4S7P 5. Future Hi-Tech Batteries Limited – FR210 6. Explore Synergy Synocare- ESPL12848	1. Osram Opto semiconductors – OSRAM/GWCSSRM2.EM 2. OSRAM– DURIS S8 (5W) 3. BRIDGELUX - BXEP-27E-525-06A
Model E	1. Ecomate Energy Solutions– Ecomate 35W 2. Philips, Model – BRP501 LED60S SOLAR CW 3. Usha Electronics– LUXION 35W 4. BAJAJ ELECTRICALS - BSS LIT P52L WH HW LF MP 5. AES - Model No. LEDon35W	1. Insolation Energy Pvt Ltd – LFV12VS120 2. Innovative Solar Solutions Ltd - INV-P-12V-125wp 3. Rhine Solar Ltd.– RSL36C-120Wp 4. Sri Savitr Solar Pvt. Ltd. – SSSPL-120 5. Ameya Solar & Semiconductors– ASSPL-12125 6. Waaree Energies Ltd., Model – WS-120/12V 7. Icon Solar-En Power Technologies Private Ltd. – ISEN 150	1. BODHI ENERGY SOLUTIONS – BES- LP-1224, or BES-LP-1225 - 3 Nos. 2. TRONTEK, Model – TKLi-1260, TKLi 1272 3. RCRS Innovations Pvt Ltd., - EXG12860L 4. Future Hi-Tech Batteries Limited – FR167 – 12.8 V, 42Ah – 2 Nos 5. Explore Synergy Synocare - ESPL12866	1. Bridgelux Inc. – SMD 5050/BXEP-57C 2. OSRAM – GW CSSRM2.EM 3. OSRAM, Model – DURIS S5 (1W) 4. BRIDGELUX - BXEP-27E-525-06A

Model F	- Philips– BRP502 LED82 SOLAR CW - Usha Electronics, Model – LUXION SL 50W - BAJAJ ELECTRICALS - BSS LIT P75L WH HW LF MP - AES - Model No. LEDon50W	- Rhine Solar Ltd.– RSL36F-160Wp - Innovative Solar Solutions – INV-P-12V-160Wp - Sri Savitr Solar Pvt. Ltd.– SSSPL-150 - Ameya Solar & Semiconductors – ASSPL-12150 - Waaree Energies Ltd. – WS-75/12V * 2Nos - Icon Solar-En Power Technologies Private Ltd. – ISEN200	- TRONTEK, Model – TKLi-1290 - RCRS Innovations Pvt Ltd. - EXG12890L - Future Hi-Tech Batteries Limited – FR210, - 2 Nos - Explore Synergy Synocare - ESPL12896 - Bodhi Energy Solutions - BES-LP-1224, or BES-LP-1225 –4 Nos, IFR32700-6000mAh (1152 Wh)	- OSRAM – GW CSSRM2.EM - OSRAM, Model – DURIS S8 (5W) - BRIDGELUX - BXEP-27E-525-06A
Model G	- Ecomate Energy Solutions– Ecomate 70W - Philips– BRP503 LED100S SOLAR CW - Usha Electronics, Model – LUXION SL 70W - BAJAJ ELECTRICALS - BSS LIT P105L WH HW LF MP	- Insolation Energy Pvt Ltd – LFV24VS200W/250W/260W - Innovative Solar Solutions Ltd - INV-P-24V-200wp/260Wp - Ritika Systems Pvt Ltd – RSPLM24CP200 - Sri Savitr Solar Pvt. Ltd. - SSSPL-100 *2 Nos - Ameya Solar & Semiconductors – ASSPL-24200 - Waaree Energies Ltd. – WS-200/24V - Icon Solar-En Power Technologies Private Ltd. – ISEN 250	- BODHI ENERGY SOLUTIONS – BES-LP-1224, or BES-LP-1225 – 6 Nos. - TRONTEK, – TKLi-1272 x 2 Nos - RCRS Innovations Pvt Ltd. - EXG12836L x 2Nos x 2units - Future Hi-Tech Batteries Limited – FR210, 3 Nos - Explore Synergy Synocare - ESPL12872, 2 Nos	- Bridgelux Inc. – SMD 5050/BXEP-57C - OSRAM – GW CSSRM2.EM - OSRAM- DURIS S8 (5W) - BRIDGELUX - BXEP-27E-525-06A.
Model H	- Philips– BRP504 LED120S SOLAR CW - Usha Electronics, Model – LUXION SL 80W - BAJAJ ELECTRICALS - BSS LIT P120L WH HW LF MP	- Rhine Solar Ltd.– RSL60FM-320Wp - Innovative Solar Solutions – INV-P-12V-125Wp*2 Nos - Sri Savitr Solar Pvt. Ltd.– SSSPL-125 *2 Nos - Ameya Solar & Semiconductors- ASSPL-24250 - Waaree Energies Ltd. – WS-250/24V - Icon Solar-En Power Technologies Private Ltd. – ISEN 300	- TRONTEK, Model – TKLi-1284 x 2 Nos - RCRS Innovations Pvt Ltd. - EXG12842L x 2 Nos x 2 units - Future Hi-Tech Batteries Limited – FR210, -3 Nos - Explore Synergy Synocare - ESPL12890, -2 Nos	- OSRAM – GW CSSRM2.EM - OSRAM - DURIS S8 (5W) - BRIDGELUX - BXEP-27E-525-06A
Model I	- Ecomate Energy Solutions– Ecomate 35W x 3 Nos - Philips– BRP501 LED60S SOLAR CW x 3 Nos	- Insolation Energy Pvt. Ltd. – LFV12VS120W x 3 Nos - Innovative Solar Solutions Ltd. - INV-P-12V-125Wp x 3 Nos.	- BODHI ENERGY SOLUTIONS - BES-LP-1224, or BES-LP-1225, 3x 3 Nos- - TRONTEK– TKLi-1260; TRONTEK– TKLi-1272, 3 Nos	- Bridgelux Inc. – SMD 5050/BXEP-57C - OSRAM – GW CSSRM2.EM

	3. Usha Electronics Systems – LUXION 35W *3 Nos 4. BAJAJ ELECTRICALS - BSS LIT P52L WH HW LF MP x 3 Nos	3. Rhine Solar Ltd. – RSL36C-120Wp x 3 Nos. 4. Sri Savitr Solar Pvt. Ltd. – SSSPL-120 *3 Nos 5. Ameya Solar & Semiconductors – ASSPL-12125*3 Nos 6. Waaree Energies Ltd. – WS-120/12V*3 Nos 7. Icon Solar-En Power Technologies Private Ltd. – ISEN 150 x 3 Nos	3. RCRS Innovations Pvt Ltd.- EXG12860L*3 Nos 4. Future Hi-Tech Batteries Limited – FR167, -3 Nos. 5. Explore Synergy Synocare - ESPL12866, 3 Nos	3. OSRAM, Model – DURIS S5 (1W) 4. BRIDGELUX - BXEP-27E-525-06A, 6W
Model J	1. Philips– BRP502 LED82 SOLAR CW x 3 Nos 2. Usha Electronics – LUXION SL 50W x 3 Nos 3. BAJAJ ELECTRICALS - BSS LIT P75L WH HW LF MP x 3 Nos	1. Rhine Solar Ltd. – RSL36F-160Wp x 3 Nos. 2. Innovative Solar Solutions – INV-P-12V-160Wp*3 Nos 3. Sri Savitr Solar Pvt. Ltd., Model – SSSPL-150 *3 Nos 4. Ameya Solar & Semiconductors– ASSPL-12150*3 Nos 5. Waaree Energies Ltd. – WS-75/12V*6 Nos 6. Icon Solar-En Power Technologies Private Ltd – ISEN 200 x 3 Nos	1. TRONTEK, Model – TKLi-1290, 3 Nos 2. RCRS Innovations Pvt Ltd.- EXG12890L*3 Nos 3. Future Hi-Tech Batteries Limited – FR167 x 3 Nos x 3 units 4. Explore Synergy Synocare - ESPL12896 x 3 Nos 5. Bodhi Energy Solutions - BES-LP-1224, or BES-LP-1225 –4 Nos, IFR32700-6000mAh (1152 Wh) x 3 Nos	1. OSRAM – GW CSSRM2.EM 2. OSRAM– DURIS S8 (5W) 3. BRIDGELUX - BXEP-27E-525-06A
Model K	1. Philips– BRP502 LED82 SOLAR CW x 4 Nos 2. Usha Electronics– LUXION SFL50W x 4 Nos 3. BAJAJ ELECTRICALS - BSS LIT P75L WH HW LF MP x 4 Nos	1. Rhine Solar Ltd. – RSL36F-160Wp x 4 Nos. 2. Innovative Solar Solutions – INV-P-12V-160W x 4 Nos 3. Sri Savitr Solar Pvt. Ltd., Model – SSSPL-150 x 4 Nos 4. Ameya Solar & Semiconductors – ASSPL-12150 x 4 Nos 5. Waaree Energies Ltd. – WS-75/12V x 8 Nos 6. Icon Solar-En Power Technologies Private Ltd. – ISEN 250 x 4 Nos	1. TRONTEK, Model – TKLi-1290, 4 Nos 2. RCRS Innovations Pvt Ltd.- EXG12890L*4 Nos 3. Future Hi-Tech Batteries Limited – FR167 x 3 Nos, 4 units 4. Explore Synergy Synocare - ESPL12896 – 4 Nos 5. Bodhi Energy Solutions - BES-LP-1224, or BES-LP-1225 –4 Nos, IFR32700-6000mAh (1152 Wh) x 4 Nos	1. OSRAM – GW CSSRM2.EM 2. OSRAM – DURIS S8 (5W) 3. BRIDGELUX - BXEP-27E-525-06A
Model L	1. Ecomate Energy Solutions– Ecomate 70W x 3 Nos 2. Philips– BVP483LED150 CW SWB SOLAR x 3 Nos 3. Usha Electronics – LUXION SFL70W x 3 Nos 4. BAJAJ ELECTRICALS - BSS LIT P105L WH HW LF MP x 3 Nos	1. Insolation Energy Pvt Ltd – LFV24VS200W/250W/260W x 3 Nos 2. Innovative Solar Solutions Ltd - INV-P-24V-200wp/260Wp x 3 Nos. 3. Ritika Systems Pvt Ltd – RSPLM24CP200 x3 Nos	1. BODHI ENERGY SOLUTIONS - BES-LP-1224, or BES-LP-1225 - 6 x 3Nos- 2. TRONTEK– TKLi-1272 x 2 Nos x 3 units 3. RCRS Innovations Pvt Ltd. - EXG12836L x 4 Nos x 3 units 4. Future Hi-Tech Batteries Limited – FR167 x 4 Nos x 3 units	1. Bridgelux Inc. – SMD 5050/BXEP-57C 2. OSRAM – GW CSSRM2.EM 3. OSRAM, Model – DURIS S8 (5W) 4. BRIDGELUX - BXEP-27E-525-06A

		4. Sri Savitr Solar Pvt. Ltd., Model – SSSPL-100 x 6 Nos 5. Ameya Solar & Semiconductors – ASSPL- 24200 x 3Nos 6. Waaree Energies Ltd, Model – WS-200/24V x 3 Nos 7. Icon Solar-En Power Technologies Private Ltd. – ISEN 250 x 3 Nos	5. Explore Synergy Synocare - ESPL12872 x 2 Nos x 3 units	
Model M	1. Ecomate Energy Solutions– Ecomate 70W x 4 Nos 2. Philips– BVP483LED150 CW SWB SOLAR x 4 Nos 3. Usha Electronics– LUXION SFL70W x 4 Nos 4. BAJAJ ELECTRICALS - BSS LIT P105L WH HW LF MP x 4 Nos	1. Insolation Energy Pvt Ltd – LFV24VS200W/250W/260W x 4 Nos 2. Innovative Solar Solutions Ltd - INV-P-24V-200wp/260Wp x 4 Nos. 3. Ritika Systems Pvt Ltd – RSPLM24CP200 x4 Nos. 4. Sri Savitr Solar Pvt. Ltd., Model – SSSPL-100 x 8 Nos 5. Ameya Solar & Semiconductors – ASSPL-24200 x 4 Nos 6. Waaree Energies Ltd– WS-200/24V x 4 Nos 7. Icon Solar-En Power Technologies Private Ltd. – ISEN 250 x 4 Nos	1. BODHI ENERGY SOLUTIONS - BES-LP-1224, or BES-LP-1225 - 6 x 4 Nos 2. TRONTEK– TKLi-1272 x 2 Nos x4 units 3. RCRS Innovations Pvt Ltd. - EXG12836L x 4 Nos x 4 units 4. Future Hi-Tech Batteries Limited – FR167x 4 Nos x 4 units. 5. Explore Synergy Synocare - ESPL12872 , -2 Nos x 4 units	1. Bridgelux Inc. – SMD 5050/BXEP-57C 2. OSRAM – GW CSSRM2.EM 3. OSRAM – DURIS S8 (5W) 4. BRIDGELUX - BXEP-27E-525-06A
Model N	1. Philips– BVP483LED150 CW SWB SOLAR x 4 Nos 2. Usha Electronics - LUXION SFL80W, (80W*4 Nos) 3. BAJAJ ELECTRICALS - BSS LIT P120L WH HW LF MP x 4 Nos	1. Rhine Solar Ltd. – RSL60FM-320Wp x 4 Nos 2. Innovative Solar Solutions– INV-P-12V-125Wp x 8 Nos 3. Sri Savitr Solar Pvt. Ltd. – SSSPL-125 x 8 Nos 4. Ameya Solar & Semiconductors – ASSPL-24250 x 4 Nos 5. Waaree Energies Ltd. – WS-250/24V x 4 Nos 6. Icon Solar-En Power Technologies Private Ltd. - ISEN 300 x 4 Nos	1. TRONTEK– TKLi-1284 x 2 Nos x 4 units 2. RCRS Innovations Pvt Ltd. EXG12842L x 4Nos x 4 units 3. Future Hi-Tech Batteries Limited – FR210 x 3 Nos x 4 units 4. Explore Synergy Synocare - ESPL12890 x 2 Nos x 4 units,	1. OSRAM – GW CSSRM2.EM 2. OSRAM, Model – DURIS S8 (5W) 3. BRIDGELUX - BXEP-27E-525-06A -
Model O	1. Ecomate Energy Solutions– Ecomate 30W x 2 Nos 2. Usha Electronics– LUXION SL 25W 3. BAJAJ ELECTRICALS - BSS LIT P37L WH HW LF MP	1. Innovative Solar Solutions Ltd INV-P-12V-100wp/125wp x 2 Nos 2. Sri Savitr Solar Pvt. Ltd. – SSPL-12100 x 2 Nos	1. BODHI ENERGY SOLUTIONS– BES-LP-1224, or BES-LP-1225, 4 Nos – IFR32700-6000mAh 2. RCRS Innovations Pvt Ltd. - EXG12842L x 2 Nos	1. Osram Opto semiconductors – OSRAM/GWCSSRM2.EM or GWCSSRM2.PM 2. OSRAM– DURIS S8 (5W)

		3. Ameya Solar & Semiconductors– ASSPL-100 x 2 Nos 4. Waaree Energies Ltd. – WS- 100/12V x 2 Nos 5. Icon Solar-En Power Technologies Private Ltd. - ISEN 125 x 2 Nos	3. Evolute Solutions Pvt Ltd. – LLF- C26000-4S7P x 2 Nos 4. Explore Synergy Synocare- ESPL12848 x 2 Nos	3. BRIDGELUX - BXEP-27E- 525-06A
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