

Sub.: LED lights – revised list

1. In order to reduce cost of electricity charges and cost of replacement/fitting of lights hereafter all lights at all offices and sites shall be replaced by LED lights. Existing tube lights, bulbs, CFLs, sodium vapour lamps, halogen flood lamps, etc., to be replaced with LED lights as and when they stop functioning.
2. Purchase has been advised to only purchase high quality, branded LED lights and fittings. Purchase of lights and fittings of local make or Chinese make to be totally discontinued. Preferred brands are Wipro and Philips.
3. The details of lights to be used is specified in the table attached herein.
4. For indoor spaces within flats/villas/farms use warm light i.e., 2,700 K. For commercial areas, office space and external lighting use white light/day light i.e., 6,500 K. For other areas like clubhouse, meeting rooms, etc., enquire before ordering warm lights/white lights.
5. Calculate lighting load requirement and accordingly order LED lights as per details given below.
 - a. Outdoor lighting - 10 to 25 lux (lumen per square meter).
 - b. Parking in basement or stilt floors – > 25lux.
 - c. Corridors and passages - > 50lux.
 - d. Inside flats and villas - >100lux.
 - e. Office space - >100lux.
 - f. Lighting over desk - >150lux.
 - g. Clubhouse - >100lux.
 - h. Banquet hall - >150lux.
 - i. Bathrooms, balcony, wash area - >50lux.

Annexure to internal memo no. 903/20/c dated 06-04-2020

Sl. No	Description	Usage	Brand & model	Wattage/ lumen	Net price	Tax in %	Net price
1.	Surface Mounted tube light like fitting for wall and Ceiling - 1 ft	Only use in labour quarters, bathrooms. Do not use for external lighting.	Wipro - Garnet Batten-D530565 (day light)	5 Watts	150	12	168.00
2.	Surface Mounted tube light like fitting for wall and Ceiling - 2 ft	Stores, workshops, security lighting, temporary lighting, bathrooms, etc. Use during construction activity. Do not use for parking areas and corridors after handover. Do not use for external lighting.	Wipro- Garnet Batten-D531065 (daylight)	10 Watts	200	12	224.00
3.	Surface Mounted tube light like fitting for wall and Ceiling - 4 ft	Stores, workshops, security lighting, temporary lighting, etc. Use during construction activity. Do not use for parking areas and corridors after handover. Do not use for external lighting. Use 5ft stand for indoor construction activity lighting.	Wipro -Garnet Batten-D532065(day light)	20 Watts	215	12	240.80
4.	False ceiling-Down lighter – 2 ½ inch dia.	False ceiling in flats, corridors, clubhouses, etc. To be used most often.	Wipro - Garnet- Wave-D540565 (day light) /D540527 (warm light)	5 Watts	335	12	375.20
5.	False ceiling-Down lighter – 3 ½ inch dia.	False ceiling in select area like clubhouse, conference rooms, etc. Use sparingly.	Wipro - Garnet- Wave-D540865 (day light) & D 540827 warm light)	8 Watts	455	12	509.60
6.	False ceiling-Down lighter – 5 inch dia.	False ceiling in select area like clubhouse, conference rooms, etc. Use sparingly.	Wipro - Garnet- Wave-D 541265 (day light) & D 54127 warm light)	12 Watts	545	12	610.40
7.	False ceiling-Down lighter – 5 inch dia.	False ceiling in select area like clubhouse, conference rooms, etc. Use sparingly.	Wipro - Garnet- Wave-D541565(day light) & D 541527 warm light)	15 Watts	595	12	666.40

8.	False ceiling- Spot light – 2 ½ inch dia.	False ceiling in select area like clubhouse, conference rooms, etc. Use sparingly.	Wipro - Garnet-D320327(warm light)	3Watts	354	12	396.48
9.	LED Bulb	Used for indoor light fittings.	Wipro - Garnet- Wave – N 50001(daylight) & N5002 (warm light)	5 Watts	74	12	82.88
10.	LED Bulb	Use in select indoor light fittings where more light required.	Wipro -Garnet-N70001(day light) & N70002 (warm light)	7 Watts	76	12	85.12
11.	LED Bulb	Gate lights. Selected places where more light required.	Wirpo - Garnet-N90001(day light) & N 90002 (warm light)	9 Watts	90	12	100.80
12.	LED Street Light	Street Lighting & garden lighting at select places. Coverage is 1.5 times height of the light from the ground on either side. Use for upto 6 mtr poles.	Wipro – Skyline-LR02-291-XXX-57-XX or LR02-331-XXX-57-XX /LED street light – day light only	25 /30 Watts	1,500/ 1,700/	12	1,680/ 2,904
13.	LED Street Light	Street Lighting at select places. Coverage is 2 times height of the light from the ground on either side. Use for poles above 6 mtr.	D925065 (Wipro) – day light only	50 Watts	2030	12	2,273.60
14.	LED Flood light	Water proof flood light for hoardings, building external lighting, basket ball court, badminton court, etc. Used most often.	D913065 Wipro Flood light – day light only	30 Watts	980	12	1097.6
15.	LED Flood light	Water proof flood light for hoardings, building external lighting, etc. use sparingly.	Wipro Flood light D915065 – day light only	50 Watts	1420	12	1590.40

16.	LED Flood light	Water proof flood light for night time work at site – external lighting only. use sparingly. Use with 5 ft stand.	Wipro Flood light D910065 – day light only	100 Watts	2,450	12	2,774.00
17.	LED fitting for compound wall with LED lamp.	Use along compound wall with 12W LED light	Wipro fitting – DA11265	NA	753	12	856.00
18.	LED ceiling light	External light, Use for outdoor ceiling, corridors and passages. Use for villa portico. Can be used in bathrooms.	Wipro – D650627 – warm light Wipro – D650665 – day light	6 watts	495	12	554.40
19.	LED ceiling light	External light. Use in parking areas, outdoor ceiling lighting and entrance arch.	Wipro – D651265 – day light only	12 watts	665	12	744.80
20.	Spike light	Use for decorative wall lighting – to be inserted in lawn next to wall.	Wipro – D930765 – day light and D930727 – warm light	7 watts/ 480 lumen	725	12	812.00