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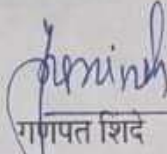
सादर,

विषय:- ठाणे महानगरपालिकेमधील नवीन एलईडी पथदीपांच्या बसविण्याचा अंदाजखर्च तयार करण्याकरीता बाजारातून दर घेणेबाबत.

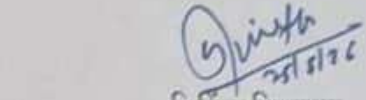
ठाणे महानगरपालिकेमधील नवीन एलईडी पथदीप बसविण्याचे काम विद्युत विभागाकडून करण्यात येते. नवीन एलईडी पथदीप बसविण्याचा अंदाजखर्च तयार करण्याकरीता बाजारातून दर घेणे आवश्यक आहे. याकरिता नवीन एलईडी पथदीप बसविण्याचे बाजारातून दर मागविण्यासाठी ठाणे महानगरपालिकेच्या अधिकृत वेबसाईटवर नोटीस प्रसिध्द करण्यास मान्यता मिळणेस विनंती आहे.



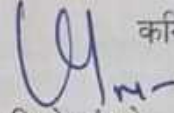
सौ. केसवानी
उपनगर अभियंता (विद्युत)



गणपत शिंदे
कार्यकारी अभियंता (विद्युत)



मिलिंद शिरसाठ
कनिष्ठ अभियंता (विद्युत)



विनोद इंगळे
उप अभियंता (विद्युत)



दूरध्वनी :022- 25331590

फैक्स: 022-25364779

ठाणे महानगरपालिका

महानगरपालिका भवन, सरसेनानी जन. अरुणकुमार वैद्य मार्ग, चंदनवाडी, पाचपाखाडी, ठाणे-400602

THE MUNICIPAL CORPORATION OF THE CITY OF THANE

संदर्भ क्र/ ठा.म.पा./उमन/अ.पि/२९५

Ref./TMC Dy.C.E./E

दिनांक २५/५/२०२६

Date / / 2026

To,

As per list _

Sub: Rate of LED streetlight and Flood light fixtures.

Dear Sir,

Thane Municipal Corporation is extensively using LED streetlight fixtures. We are willing to use higher lumen output fixtures with potted driver and with open dimming protocol DALI interface/1-10 V analog dimming for street light fitting. You are requested to furnish your lowest special rate freight but without GST for following LED streetlight/ Flood light fixtures from 26.05.2026 to 05.06.2026, 4pm. The technical specifications of fixtures is enclosed herewith.

Sr No.	Description	Rate Excluding GST in Rs.
1	LED streetlight luminaire 45 W	
2	LED streetlight luminaire 60 W	
3	LED streetlight luminaire 90 W	
4	LED streetlight luminaire 120 W	
5	LED streetlight luminaire 150 W	
6	LED streetlight luminaire 200 W	
7	LED Flood light luminaire 120 W	
8	LED Flood light luminaire 150 W	
9	LED Flood light luminaire 200 W	
10	LED Flood light luminaire 240 W	
11	LED Flood light luminaire 350 W	

(Mrs. Shubhangi Keswani)
Dy.City Engineer (Elect)
Thane Municipal Corporation.

Encl:- As Above

LED Streetlight fixture - Technical specification

1) Technical specification for 45 W LED streetlight luminaire

Integral high pressure Die cast/extruded aluminium LED Streetlight luminary with proper heat dissipation & toughened glass protector or with non-yellowing injection moulded polycarbonate cover having high light transmission index. The LEDs are provided with suitable lens for dispersal for achieving street light optics to ensure uniform light distribution. The LED fixture is designed for at least L70 life of minimum 50,000 burning hours at ambient temperature not less than 35 degree C. The system wattage (fixture's total power consumption) should be 45 W +/- 5 Watt.

The fixture should have Ingress protection of IP66 with separate compartment for driver and lamp. The glass covers, driver compartment cover shall be supported with additional Nylon wire. The system level efficacy of the luminary should be equal or greater than 120 lumens / W & Power factor should be greater than 0.95. CRI should be greater than 70 & colour temperature should be between 4000⁰K to 5700⁰K (max limit). The colour temperature variation should not be more than +/- 200⁰ K in LED fixtures provided for one project.

LED Drive current @ 70% of recommended peak value. Driver output current to match LED forward current for maximum efficiency

Driver should be potted with efficiency greater than 85% & THD Limits- For Current<10% and for voltage<3%.

Sr. No.	Description	Input Operating Voltage AC - 50Hz	Rated Voltage (AC)	Input Current	Input Power	PF	Output Voltage (VDC)	Output Current	Output Wattage	Thd	Efficient
1	LED Driver 45W, 700 mA	140-270V	240 V	0.197 A Max	30-45W	>0.95	36-57V	700 mA	25-39W	≤ 10%	>85%

The LED fixture should have integral surge protection of not less than 10 kV & operating voltage range should be within 140 V - 270 V

Standard street lighting photometric distribution of the luminary should be validated with LM -79 Report & the LED module data should be supported by the LM 80 test report from the manufacturer. The product should be BIS certified.

Tilt 10 degree.

Arm Length: 0.5 to 0.75 meter

Ripple less than 3%

2) Technical specification for 60 W LED streetlight luminaire

Integral high pressure Die cast/extruded aluminium LED Streetlight luminary with proper heat dissipation & toughened glass protector or with non-yellowing injection moulded polycarbonate cover having high light transmission index. The LEDs are provided with suitable lens for dispersal for achieving street light optics to ensure uniform light distribution. The LED fixture is designed for at least L70 life of minimum 50,000 burning hours at ambient temperature not less than 35 degree C. The system wattage (fixture's total power consumption) should be 60 W +/- 5 Watt.

The fixture should have Ingress protection of IP66 with separate compartment for driver and lamp. The glass covers, driver compartment cover shall be supported with additional Nylon wire. The system level efficacy of the luminary should be equal or greater than 120 lumens / W & Power factor should be greater than 0.95. CRI should be greater than 70 & colour temperature should be between 4000⁰K to 5700⁰K (max limit). The colour temperature variation should not be more than +/- 200⁰ K in LED fixtures provided for one project.

LED Drive current @ 70% of recommended peak value. Driver output current to match LED forward current for maximum efficiency
Driver should be potted with efficiency greater than 85% & THD Limits- For Current<10% and for voltage<3%.

Sr. No.	Description	Input Operating Voltage AC - 50Hz	Rated Voltage (AC)	Input Current	Input Power	PF	Output Voltage (VDC)	Output Current	Output Wattage	Thd	Efficiency
	LED Driver 60W ,700 mA	120-270V	240 V	0.280 A Max	55-65W	>0.95	66-88V	700 mA	49-60W	≤ 10%	>85%

The driver shall be potted and open dimming protocol DALI interface/1-10 V analogue dimming.

The LED fixture should have integral surge protection of not less than 10 kV & operating voltage range should be within 140 V - 270 V
Standard street lighting photometric distribution of the luminaire should be validated with LM -79 Report & the LED module data should be supported by the LM 80 test report from the manufacturer. The product should be BIS certified.

Fixture lighting deliverables should be as follows;

Min / Avg =>0.4 ,Min / Max =>0.3 ,

Maintenance factor =0.8

Mounting height - 7 meter,

road width- 7 meter

Distance Between pole = 20 meter

min. Avg Lux =20 Lux

Tilt 10 degree.

Arm Length: 1 meter

Ripple less than 3%

3) Technical specification for 90 W LED streetlight luminaire

Integral high pressure Die cast/extruded aluminium LED Streetlight luminaire with proper heat dissipation & toughened glass protector or with non-yellowing injection moulded polycarbonate cover having high light transmission index. The LEDs are provided with suitable lens for dispersal for achieving street light optics to ensure uniform light distribution. The LED fixture is designed for at least L70 life of minimum 50,000 burning hours at ambient temperature not less than 35 degree C. The system wattage (fixture's total power consumption) should be 90 W +/- 5 Watt.

The fixture should have Ingress protection of IP66 with separate compartment for driver and lamp. The glass covers, driver compartment cover shall be supported with additional Nylon wire. The system level efficacy of the luminaire should be equal or greater than 120 lumens / W & Power factor should be greater than 0.95. CRI should be greater than 70 & colour temperature should be between 4000°K to 5700°K (max limit). The colour temperature variation should not be more than +/- 200° K in LED fixtures provided for one project.

LED Drive current @ 70% of recommended peak value. Driver output current to match LED forward current for maximum efficiency
Driver should be potted with efficiency greater than 85% & THD Limits- For Current<10% and for voltage<3%.

Sr. No.	Description	Input Operating Voltage AC - 50Hz	Rated Voltage (AC)	Input Current	Input Power	PF	Output Voltage (VDC)	Output Current	Output Wattage	Thd	Efficiency
1	LED Driver 90W ,700 mA	120-270V	240 V	0.395 A Max	67-90W	>0.95	84-118V	700 mA	59-118W	≤ 10%	>85%

The driver shall be potted and open dimming protocol DALI interface/1-10 V analogue dimming.

The LED fixture should have integral surge protection of not less than 10 kV &

operating voltage range should be within 140 V - 270 V

Standard street lighting photometric distribution of the luminary should be validated with LM -79 Report & the LED module data should be supported by the LM 80 test report from the manufacturer. The product should be BIS certified.

Fixture lighting deliverables should be as follows;

Min / Avg $\Rightarrow$ 0.4 , Min / Max $\Rightarrow$ 0.3 ,
Maintenance factor = 0.8
Mounting height - 8 meter,
road width- 7 to 9 meter
Distance Between pole = 27 meter
min. Avg Lux = 20 Lux
Tilt 10 degree,
Arm Length: 1 meter
Ripple less than 3%

4) Technical specification for 120 W LED streetlight luminaire

Integral high pressure Die cast/extruded aluminium LED Streetlight luminary with proper heat dissipation & toughened glass protector or with non-yellowing injection moulded polycarbonate cover having high light transmission index. The LEDs are provided with suitable lens for dispersal for achieving street light optics to ensure uniform light distribution. The LED fixture is designed for at least L70 life of minimum 50,000 burning hours at ambient temperature not less than 35 degree C. The system wattage (fixture's total power consumption) should be 120 W $\pm$ 5 Watt.

The fixture should have Ingress protection of IP66 with separate compartment for driver and lamp. The glass covers, driver compartment cover shall be supported with additional Nylon wire. The system level efficacy of the luminary should be equal or greater than 120 lumens / W & Power factor should be greater than 0.95. CRI should be greater than 70 & colour temperature should be between 4000⁰K to 5700⁰K (max limit). The colour temperature variation should not be more than $\pm$ 200⁰ K in LED fixtures provided for one project.

LED Drive current @ 70% of recommended peak value. Driver output current to match LED forward current for maximum efficiency

Driver should be potted with efficiency greater than 85% & THD Limits- For Current < 10% and for voltage < 3%.

Sr. No.	Description	Input Operating Voltage AC - 50Hz	Rated Voltage (AC)	Input Current	Input Power	PF	Output Voltage (VDC)	Output Current	Output Wattage	Thd	Efficiency
1	LED Driver 120W,700mA	120-277V	240 V	0.525 A Max	90-125W	>0.95	114-168V	700 mA	80-115W	$\leq$ 10%	>88%

The driver shall be potted and open dimming protocol DALI interface/1-10 V analogue dimming.

The LED fixture should have integral surge protection of not less than 10 kV & operating voltage range should be within 140 V - 270 V

Standard street lighting photometric distribution of the luminary should be validated with LM -79 Report & the LED module data should be supported by the LM 80 test report from the manufacturer. The product should be BIS certified.

Fixture lighting deliverables should be as follows;

Min / Avg $\Rightarrow$ 0.4 , Min / Max $\Rightarrow$ 0.3 ,
Maintenance factor = 0.8
Mounting height - 9 meter,
road width- 9 to 10 meter
Distance Between pole = 30 meter
Avg Lux = 22 Lux,
Tilt 10 degree,
Arm Length: 1.5 meter
Ripple less than 3%

5) Technical specification for 150 W LED streetlight luminaire

Integral high pressure Die cast/extruded aluminium LED Streetlight luminary with proper heat dissipation & toughened glass protector or with non-yellowing injection moulded polycarbonate cover having high light transmission index. The LEDs are provided with suitable lens for dispersal for achieving street light optics to ensure uniform light distribution. The LED fixture is designed for at least L70 life of minimum 50,000 burning hours at ambient temperature not less than 35 degree C. The system wattage (fixture's total power consumption) should be 150 W +/- 5 Watt.

The fixture should have Ingress protection of IP66 with separate compartment for driver and lamp. The glass covers, driver compartment cover shall be supported with additional Nylon wire. The system level efficacy of the luminary should be equal or greater than 120 lumens / W & Power factor should be greater than 0.95. CRI should be greater than 70 & colour temperature should be between 4000⁰K to 5700⁰K (max limit). The colour temperature variation should not be more than +/- 200⁰ K in LED fixtures provided for one project.

LED Drive current @ 70% of recommended peak value. Driver output current to match LED forward current for maximum efficiency

Driver should be potted with efficiency greater than 85% & THD Limits- For Current<10% and for voltage<3%.

Sr. No.	Description	Input Operating Voltage AC - 50Hz	Rated Voltage (AC)	Input Current	Input Power	PF	Output Voltage (VDC)	Output Current	Output Wattage	Thd	Efficiency
1	LED Driver 150W,700mA	120-277V	240 V	0.658 A Max	120-150W	>0.95	156-195V	700 mA	109-135W	≤ 10%	>88%

The driver shall be potted and open dimming protocol DALI interface/1-10 V analogue dimming.

The LED fixture should have integral surge protection of not less than 10 kV & operating voltage range should be within 140 V - 270 V
Standard street lighting photometric distribution of the luminary should be validated with LM -79 Report & the LED module data should be supported by the LM 80 test report from the manufacturer. The product should be BIS certified.

Fixture lighting deliverables should be as follows;

Min / Avg =>0.4 , Min / Max =>0.3 ,

Maintenance factor =0.8

Mounting height - 10 meter,

road width- 9 to 12 meter

Distance Between pole = 30 meter and above

Avg Lux =30 Lux

Tilt 10 degree

Arm Length: 1.5 meter

Ripple less than 3%

6) Technical specification for 200 W LED streetlight luminaire

Integral high pressure Die cast/extruded aluminium LED Streetlight luminary with proper heat dissipation & toughened glass protector or with non-yellowing injection moulded polycarbonate cover having high light transmission index. The LEDs are provided with suitable lens for dispersal for achieving street light optics to ensure uniform light distribution. The LED fixture is designed for at least L70 life of minimum 50,000 burning hours at ambient temperature not less than 35 degree C. The system wattage (fixture's total power consumption) should be 200 W +/- 5 Watt.

The fixture should have Ingress protection of IP66 with separate compartment for driver and lamp. The glass covers, driver compartment cover shall be supported with additional Nylon wire. The system level efficacy of the luminary should be equal or greater than 120 lumens / W & Power factor should be greater than 0.95. CRI

should be greater than 70 & colour temperature should be between 4000⁰K to 5700⁰K (max limit). The colour temperature variation should not be more than +/- 200⁰ K in LED fixtures provided for one project.

LED Drive current @ 70% of recommended peak value. Driver output current to match LED forward current for maximum efficiency
Driver should be potted with efficiency greater than 85% & THD Limits- For Current<10% and for voltage<3%.

Sr. No.	Description	Input Operating Voltage AC - 50Hz	Rated Voltage (AC)	Input Current	Input Power	PF	Output Voltage (VDC)	Output Current	Output Wattage	Thd	Efficiency
1	LED Driver 200W,700mA	90-305 Vac	240 V	0.700-1.050 A Max	190 - 200W	>0.95	95-286 Vdc	700 mA	200 W	≤ 10%	>88%

The driver shall be potted and open dimming protocol DALI interface/1-10 V analogue dimming.

The LED fixture should have integral surge protection of not less than 10 kV & operating voltage range should be within 140 V - 270 V
Standard street lighting photometric distribution of the luminaire should be validated with LM -79 Report & the LED module data should be supported by the LM 80 test report from the manufacturer. The product should be BIS certified.

Fixture lighting deliverables should be as follows;

Min / Avg =>0.4 , Min / Max =>0.3 ,

Maintenance factor =0.8

Mounting height - 12 meter,

road width- 12 to 15 meter

Distance Between pole = 30 meter and above

Avg Lux =30 Lux

Tilt 10 degree

Arm Length: 2 meter

Ripple less than 3%

7) Technical specification for 120/150/200/240/350 W LED Flood light luminaire

Integral high pressure Die cast extruded aluminium LED Flood Light luminaire with proper heat dissipation & toughened glass protector with non-yellowing injection moulded polycarbonate cover having high light transmission index. The LEDs are provided with suitable lense for dispersal of light in required Beam, to ensure uniform distribution. The LED Fixture are designed for at least L70 life of minimum 50,000 burning hours, at an ambient temperature of not less than 35°C.

The system wattage (fixture's total power consumption) should be +/- 5 Watt than rated power.

The fixture should have Ingress protection of IP66 with separate compartment for driver and lamp. The glass covers / driver compartment cover shall be supported by additional Nylon wire.

The system level efficacy of the luminaire should be equal or greater than 120 lumens / W & power factor should be greater than 0.95. CRI should be greater than 70 & color temperature should be between 4000 K to 5700 K

(max limit). The color temperature variation should not be more than +/- 200⁰ K in LED fixture, provided for one project. Driver should be potted with efficiency greater than 85% & THD Limits – For Current 10% and for voltage<3%. Ripple less than 3%

The driver shall be potted The LED fixture should have integral surge protection of not less than 10 KV & operating voltage range should be within 140 V 270 V. Standard Street Lighting Photometric distribution of the Luminary should be validated with LM -79 Report & the LED module data should be supported with by the LM 80 test report from the manufacturer. The product should be BIS certified.

Sr. No.	Description	Input Operating Voltage AC - 50Hz	Rated Voltage (AC)	Input Current	Input Power	PF	Output Voltage (VDC)	Output Current	Output Wattage	Thd	Efficiency
1	LED Driver 45W, 700 mA	140-270V	240 V	0.197 A Max	30-45W	>0.95	36-57V	700 mA	25-39W	≤ 10%	>85%
2	LED Driver 60W, 700 mA	120-270V	240 V	0.280 A Max	55-65W	>0.95	66-88V	700 mA	49-60W	≤ 10%	>85%
3	LED Driver 75W, 700 mA	120-270V	240 V	0.350 A Max	60-80W	>0.95	75-105V	700 mA	54-74W	≤ 10%	>85%
4	LED Driver 90W, 700 mA	120-270V	240 V	0.395 A Max	67-90W	>0.95	84-118V	700 mA	59-118W	≤ 10%	>85%
5	LED Driver 120W, 700mA	120-277V	240 V	0.525 A Max	90-125W	>0.95	114-168V	700 mA	80-115W	≤ 10%	>88%
6	LED Driver 150W, 700mA	120-277V	240 V	0.658 A Max	120-150W	>0.95	156-195V	700 mA	109-135W	≤ 10%	>88%
7	LED Driver 200W, 700mA	90-305 Vac	240 V	0.700-1.050 A Max	190 - 200W	>0.95	95-286 Vdc	700 mA	200 W	≤ 10%	>88%