



**Quotation Notice**

Office of the Executive Engineer (E)  
Electrical Department D zone Office.  
Pimpri Chinchwad Municipal Corporation  
Pimpri - 18.  
No. DZ/Elect/Vakad/87/2025-26  
Date. 10/03/2025



The sealed and subscribed quotations are invited for the work mentioned below on by The Executive Engineer (E), D zone Electrical dept. Pimpri Chinchwad Municipal Corporation, Pimpri-18 so as to reach in the office of The Executive Engineer (E), D zone Electrical dept on or before 17/03/2025 upto 3.00 pm. If possible rate quotations will be opened on the same day. The right to accept or reject any or all quotations without assigning any reason thereto is reserved by the Executive Engineer (E), D zone Electrical dept, Pimpri Chinchwad Municipal Corporation, Pimpri-18. For more details and site of the work place please contact Executive Engineer(Elect), , D zone in the office timings.

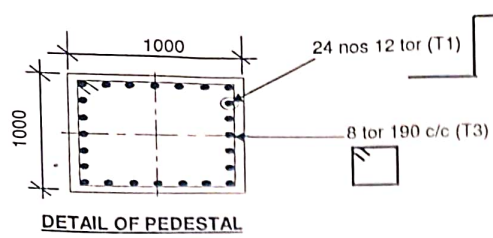
Sr no	Description of Item	Rate in Rs.	Unit
1	<p>SITC of High-quality modular 250w LED Sports Flood Light Fixture with a nominal efficiency <math>\geq 110</math> LPW. CCT of 5700K with SDCM of <math>&lt; 5</math> and <math>CRI \geq 70</math>. The housing should be of Epoxy powder coated pressure die-cast aluminium housing (ADC12) in grey finish with Heat Resistant toughened clear glass cover to withstand extreme environments, Pre wired with external CG Box with Potted, IP 67 potted electronic LED driver with APFC (SMPS based constant current supply) with <math>THD \leq 10\%</math> with Open Circuit Protection, Over Voltage Protection, Surge Voltage Protection and other safety test as per IS 15885 Part-2/Sec 13 and CISPR 15 complied. The floodlight shall be designed for operation in ambient temp <math>-10^{\circ}C</math> to <math>+50^{\circ}C</math> with <math>PF \geq 0.95</math>. Lifetime of 50K @L70. Product should be suitable for Operating voltage range - 100 - 300 V ac, continuous operation (10-12 Hrs. per day). The ingress protection should be minimum IP66 with an IK08. Optical compartments/external IP67 driver shall be maintainable/replaceable without impacting the LED Units. While accessing the gear compartment / external driver, the optical compartment should not be opened. The luminaire driver should have a 6KV onboard surge protection and an additional 10KV SPD duly bolted in the luminaire for extra safety. The wattage of each LED should be 1 -5 watt. Only high power single white LED chip with ceramic based suitable for outdoor use is allowed. Multichip, array multi die, mid power, integrated arrays and COB's are not permitted. High power LED used in the luminaire should be SMD type only of make Lumileds, Bridgelux, Osram, Nichia and CREE &amp; no other make. The luminaire should be capable of withstanding voltage stress of 440V for 8 Hrs., should have an auto shutdown @325V and have an auto recovery feature. The drivers should be a potted driver not a printed circuit board without casing, mounted inside the luminaire. The luminaire shall have suitable Narrow / Extra Narrow &amp; Wide Beam peanut Lens suitable to arrange the required Lux Levels. Fixture should have 5 year on site fully comprehensive warranty. fixture should be as per relevant BIS &amp; EN standards. BIS logo with licen number should printed on product.</p>		Each

2	<p>SITC of High-quality modular 1000w LED Sports Flood Light Fixture with a nominal efficiency <math>\geq 110</math> LPW. CCT of 5700K with SDCM of <math>&lt; 5</math> and <math>CRI \geq 70</math>. The housing should be of Epoxy powder coated pressure die-cast aluminium housing (ADC12) in grey finish with Heat Resistant toughened clear glass cover to withstand extreme environments, Pre wired with external CG Box with Potted, IP 67 potted electronic LED driver with APFC (SMPS based constant current supply) with THD <math>\leq 10\%</math> with Open Circuit Protection, Over Voltage Protection, Surge Voltage Protection and other safety test as per IS 15885 Part-2/Sec 13 and CISPR 15 complied. The floodlight shall be designed for operation in ambient temp <math>-10^{\circ}\text{C}</math> to <math>+50^{\circ}\text{C}</math> with PF <math>\geq 0.95</math>. Lifetime of 50K @L70. Product should be suitable for Operating voltage range - 100 - 300 V ac, continuous operation (10-12 Hrs. per day). The ingress protection should be minimum IP66 with an IK08. Optical compartments/external IP67 driver shall be maintainable/replaceable without impacting the LED Units. While accessing the gear compartment / external driver, the optical compartment should not be opened. The luminaire driver should have a 6KV onboard surge protection and an additional 10KV SPD duly bolted in the luminaire for extra safety. The wattage of each LED should be 1 -5 watt.</p> <p>Only high power single white LED chip with ceramic based suitable for outdoor use is allowed. Multi chip, array multi die, mid power, integrated arrays and COB's are not permitted. High power LED used in the luminaire should be SMD type only of make Lumileds, Bridgelux, Osram, Nichia and CREE &amp; no other make. The luminaire should be capable of withstanding voltage stress of 440V for 8 Hrs., should have an auto shutdown @325V and have an auto recovery feature. The drivers should be a potted driver not a printed circuit board without casing, mounted inside the luminaire. The luminaire shall have suitable Narrow / Extra Narrow &amp; Wide Beam peanut Lens suitable to arrange the required Lux Levels. Fixture should have 5 year on site fully comprehensive warranty. fixture should be as per relevant BIS &amp; EN standards. BIS logo with licen number should printed on product.</p>		Each
3	<p>SITC of 16 M high mast system with its accessories. Mast shaft shall be in two sections with 3mm and 4mm thickness, hot dip galvanised and suitable for wind velocity 39 m/s as per IS 875. Mast shall have top- 150mm, bottom- 460mm. It shall also include accessories for high mast including head frame, steel wire rope 6 mm dia (7/19 construction), trailing cable with plug &amp; socket, double drum winch, galvanised lantern carriage arrangement suitable for 12 luminaires of 1kW asymmetrically &amp; its control gear boxes and lightning finial. Mast should have asymmetrical lantern carriage with 4x3 array. There should be counter weight to balance the fitting weight which are also galvanised. The mast shall have an integral power too installed inside the base compartment and Rasing and lowering the gear box with suitable motor with control box. 2) Supply of suitable foundation bolts manufactured from EN8 grade special steel along with nuts, washers, anchor plates and templates 3) Supply of 63 Amp single dial control panel/ feeder pillar 4) Supply of Single dome LED type aviation obstruction lamp 1. ALL DIMENSION ARE IN MM. 2 DESIGN STANDARD ILE TECHNICAL REPORT - 7 3 MATERIALS 3 1 SHAFT S350 AS PER BSEN 10025 3 2 DOOR &amp; FLANGE AS PER IS : 2062 4 FINISH 4 1 HOT DIP GALVANIZED TO BSEN 1461. 5 MAX WIND SPEED : 39 M/SEC. AS PER IS : 875 6 WELDING : SUBMERGED ARC WELDING FOR SHAFT. 7 FOUNDATION BOLTS SHALL BE OF 5.8 GRADE CONFIRMING TO IS : 1367 PART III</p>		Each
4	<p>Providing Foundation casting for 16 mtr high mast with all tools and tackles, shuttering and masonry work as per specification. (SBC considered 10T sqmtr @ 1.5mtr depth as per the shared foundation drawing.</p>		Each

Note - The rates should be quoted without GST and GST % or amount should be mentioned separately.

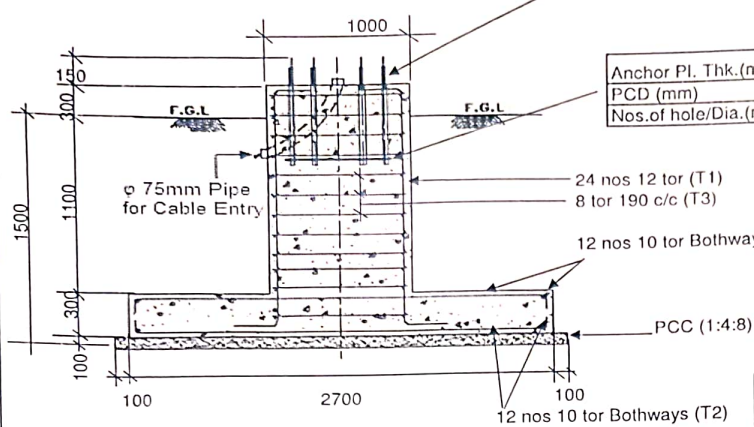
e-Mail- m.chavan@pcmcindia.gov.in  
ph- 9922501841

  
Mr. M.M. Chavan  
Executive Engineer(Elect)  
D zone office Elect dept.  
PCMC, Pimpri-18  


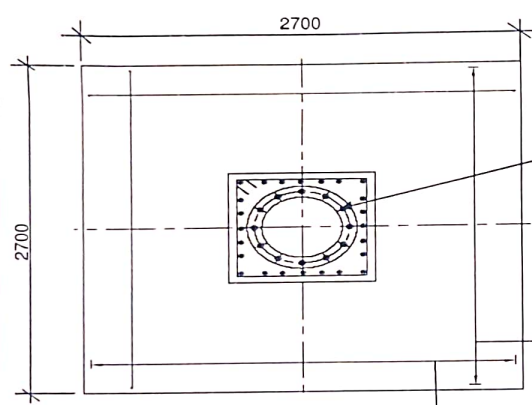


DETAIL OF PEDESTAL

Bolt Nos.	=	8
Bolt Dia.	=	30 mm
Length	=	850 mm



SECTIONAL ELEVATION

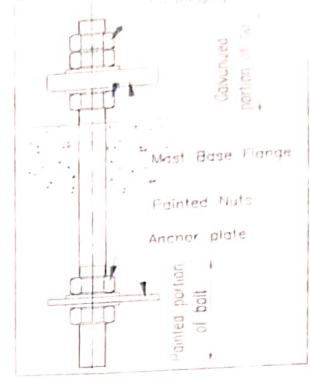


SECTIONAL PLAN

- 1- ALL DIMENSIONS ARE IN MM. DO NOT SCALE THE DRAWING
- 2- MIN. LAP LENGTH OF BARS SHALL BE 50xD. UNLESS OTHERWISE STATED.
- 3- WE RECOMMENDED THAT MAST FLANGE REMAIN UNGROUTED
- 4- IF GROUTING IS CARRIED OUT IT IS ESSENTIAL TO LEAVE A MINIMUM OF 4 NOS 25MM DIA DUCTS EQUALLY SPACED AROUND THE FLANGE TO ALLOW DRAINAGE AND VENTILATION
- 5- BARS DRAWN IN THE DRAWING ARE FOR ILLUSTRATION ONLY. REFER TO THE NUMBERS SHOWN FOR ACTUAL REINFORCEMENT QUANTITY.

**BEFORE CASTING THE FOUNDATION VERIFY THE DIMENSIONS OF THE FOUNDATION BOLT (DIA. & QTY.) AND ANCHOR PLATE (PCD) WITH RESPECT TO THE DIMENSIONS MENTIONED IN THIS DRG.**

FOUNDATION LOADINGS		
WIND SPEED	(M/SEC)	50
BENDING MOMENT	(T-M)	7.849
HORIZONTAL SHEAR	(T)	0.989
VERTICAL LOAD	(T)	1.081
MAX GR BEARING PRESSURE	(T/M <sup>2</sup> )	5.805
SAFETY FACTOR AGAINST OVERTURNING		2.040
CONCRETE MIX VIBRATED		M-20
MIN COVER	(MM)	50
STEEL		Fe-415
SOIL BEARING CAPACITY	(T/M <sup>2</sup> )	10.00
PROJECTED AREA	(M <sup>2</sup> )	1.434



BAR BENDING SCHEDULE				
MK	QTY	SIZE	LENGTH	SHAPE
T1	24	Φ12	1995	1575 320
T2	24	Φ10	2800	100 2600
T3	9	Φ8	3792	900 900
T4	24	Φ10	2800	100 2600

QUANTITIES		
RCC (M <sup>3</sup> )	PCC (M <sup>3</sup> )	STEEL (kg)
3.59	0.84	145.956

REV. NO	DESCRIPTION	REV. BY

<p><b>VAKRANGEE</b></p>		VAKRANGEE METAL & MINERALS PVT LTD Works: Village Tandwa, Tehsil & Block Tilda, Dist. Raipur-493116, Chhattishgarh, India.	
		Dm. BP 18.07.23	TITLE: FOUNDATION DRAWING FOR OF 16.0 M HIGH MAST (150-460)
Chd. R.C.D	18.07.23	CLIENT:	.....
Appd. R.C.D	18.07.23	PO NO:	.....
Scale:	DRG. NO.: VMPL/30M/HM/FDN/005	REV-00	.....

**कार्यकारी अभियंता (विद्युत)**  
 ड क्षेत्रिय कार्यालय,  
 दिंपरी चिंचवड महानगरपालिका  
 & रहाटणी, पुणे-१७