

Work Engineering & Services Deptt.

Specification No: SP/ELEC/9310

Date : 13.01.2012

Specification for supply and erection of 16Meter High Mast Light.

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SR. NO.	DESCRIPTION OF EQUIPMENTS / ACTIVITIES	UOM	QTY
SUPPLY PART			
1	Supply of galvanized steel High Mast lighting system of 16 Mtrs high with its accessories. The mast shaft shall be in two section(Top 150 mm,bottom 410mm,and sheet thickness 3mm top, bottom 4 mm, thickness of base plate should be minimum 25 mm) hot dip galvanized (confirming to IS4270) and suitable for wind velocity as per IS 875 part-3.It shall also include accessories for high mast including head frame, luminaries carriage suitable to install 08 nos 2x400 watts and 04 nos 1x400 watts luminaries in symmetrical arrangement, double drum winch,5 mm diameter SS wire rope, trailing cable, connector, integral power tool motor with raising lowering manual system comprising with handle, junction box, lightening finial.	Nos	1
2	Supply of foundation bolts manufactured from special steel along with nuts, washers, anchor plates and templates.	Set	1
3	Supply of Non Integral Flood Light Luminaries suitable for 2x400 watts HPSV T lamps and its control gear boxes completed in all respect. Bajaj model BGNEF22R or equivalent model of Philips and Crompton only.	Nos	8
4	Supply of Non Integral Flood Light Luminaries suitable for 1x400 watts HPSV T lamp and its control gear box completed in all respect. Bajaj model BGEF21S or equivalent model of Philips and Crompton only.	Nos	4
5	Supply of LED type single dome aviation obstruction light of Bajaj or Philips or Crompton make only.	Nos	1
6	Supply of outdoor stand mounted feeder pillar with 63A TPN MCB incomer, DUAL DIAL time switch, 45A TP contactor for the automatic switching of luminaries, power tool control with 2 no 9A contactors and raise lower push button, Incoming 35 sq. mm and out going 16 & 2.5 sq. mm terminals.	Nos	1
ERECTION PART			
8	Erection of the High Mast with the help of suitable tools and plants, wiring of luminaries with all wiring materials like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores of 1.5 sq. mm, lugs and all labour.	Job	1
10	Installation of the mast feeder pillar by grouting the stand in concrete.	Nos	4

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Terms and conditions:

A. General :

A-1. The detail civil drawing specifications for building the high mast structure to be submitted by vendor with their offer. However the civil work will be in BHEL scope.

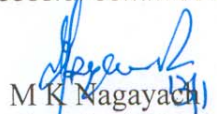
A-2. The detail drawing with specifications for GI Pipe earthing for high mast structure along with connection to the mast with the earthing to be submitted by the vender with their offer. However the work will be in BHEL scope.

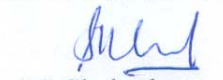
B. Qualifying Condition:

B-1 The party should have an experience of supply and successful commissioning of minimum 05 nos. high mast light with structure in a PSU or reputed private company.

B-2 Copy of purchase order along with successful commissioning certificate should also to be submitted with the offer.


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