Requisition no. 57951588 dtd. 08.05.2014

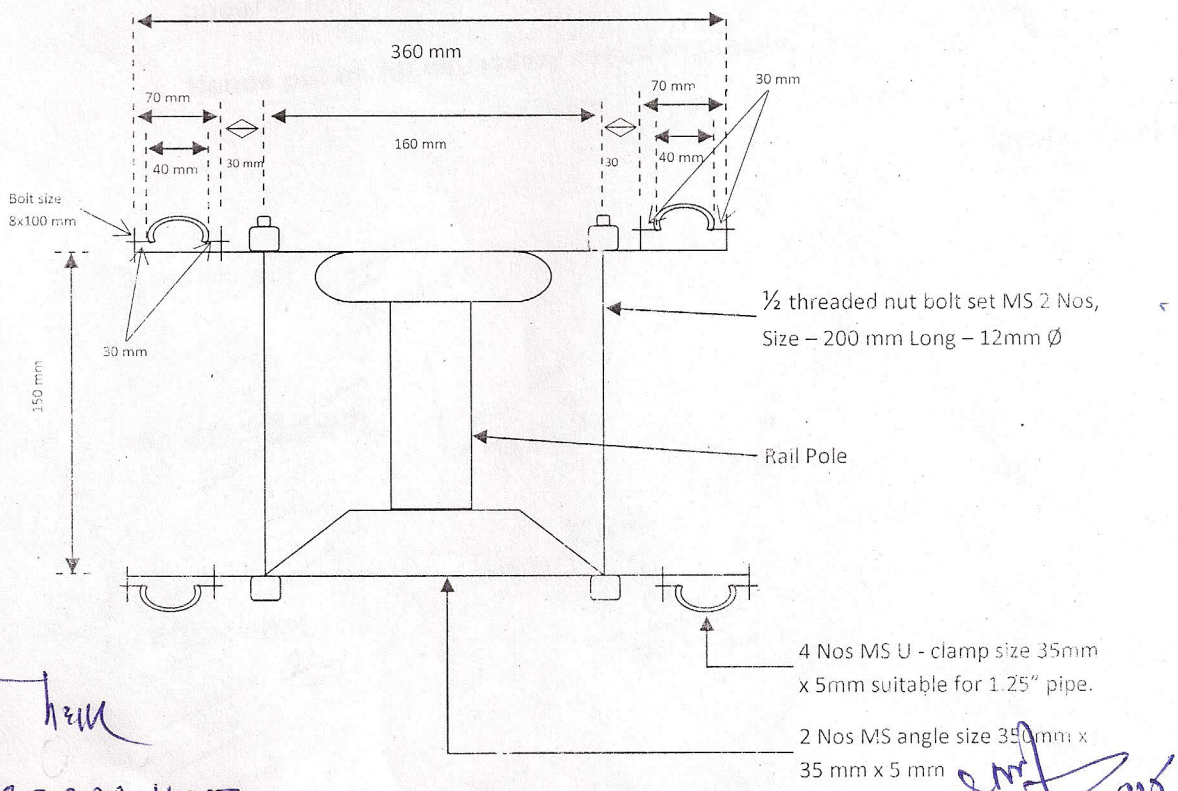
(6)

Annexure – I

Technical Specifications for 24 watts LED Street Light

One no. of 24 Watts LED street light complies of:- 04 nos. of LED fittings of 24 watt and suitable bracket for fixing these LED fittings by means of suitable 2' long GI bracket pipe and clamps etc as per drawing given below.

Sr. No.	Description	Minimum Values
01	Input voltage AC	140-277 Volt
02	Body	LED light 24 Watt with IP-65 for outdoor use high quality aluminium & ABS diffuser. Housing of luminaire: Pressure die cast LM6/ADC12/LM24 housing
03	Heat Sink	Good thermal management system should be provided using die cast aluminium heat sink & LED must be mounted on heat sink conductive aluminium bars with suitable large surface area by means of fins to dissipate the heat to ambient air.
04	Finishing	Excellent
05	Life	Greater than 50000 glow hrs.
06	LED	Reputed manufacturer such as NICHIA,OSRAM,SEOUL, PHILIPS Lumileds, CREE and LEDNIUM.
07	Working temp.	-5 to + 85 °C
08	Working humidity	10% to 90% RH
09	Colour temp.	5700 K (5665K±355K)
10	Colour Rendering Index(CRI)	Greater than or equal to 65. (Manufacturer shall submit the datasheet in support)
11	View Angle	Typical 120° (Manufacturer shall submit the datasheet in support)
12	Lumens/Watt	Greater than 100 lumens/watt
13	Rated Wattage	24 Watt
14	Colour	White
15	Voltage/Current Tolerance	± 5%
16	Power Factor	Greater than 0.9
17	Nos. of fittings in each no.	04 nos. LED fittings.
18	Fixing arrangement	Suitable fixing arrangement on rail pole by means of suitable 2'long GI bracket pipe and clamps etc. for 04 nos. fittings.



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