



VIPIN S.T. POLES PVT. LTD.™

Warehouse/Service Center : Khewat No. 362 New 262 Old, Khasra No. 400/3,
Rampura, Jaipur - 303704 (Rajasthan)

Warehouse/Service Center : Khasra No. 4925/3, Nadarganj Industrial Area,
Near Om Dharam Kanta, Lucknow - 226008 (U.P.)

Regd. Office/Works : Kharar-Hansi Road, Dhani Kutubpur, Hisar - 125044

E-mail: gechissar@gmail.com, vsphighmast@yahoo.com

Manufacturers of
* High Mast Poles
* Octagonal Poles
* Decorative Poles
* Swaged Poles
* Outdoor LED Fixtures

Technical Data sheet for 30 Mtr High Mast

Party Name: S.R Electricals,Chittorgarh,Rajasthan.

1	HIGH MAST STRUCTURE	
a)	Height of Mast (Mtr.) Make	30 Mtr. Vipin S.T. Poles
b)	Material of Construction	IS:2062 Gr. E250A
c)	No. of Longitudinal Welds Top Section Middle Section Bottam Section	Single Single Double
d)	Number of Sections	Three (3)
e)	Thickness of Sheet (In mm)	Bottom : 5mm Middle : 4mm Top : 3mm
f)	Cross Section of Mast in (Number of sides)	20 Sides
g)	Length of Individual sections (approx.)	Top : 10500mm Middle : 10500mm Bottom : 10500mm
h)	Base Dia. & Top Dia.	Top Dia. : 150 mm A/F Bottom Dia. : 540 mm A/F
i)	Type of Joints	Stress Fit Joints
j)	Length of Overlap	750mm
k)	Metal Protection Treatment for Mast Section	Hot Dip Galvanized through Single dip process as per IS:2629
l)	Thickness of Galvanized	Average 70 Micron
m)	Size of opening door at base	1100x305mm
n)	Type of locking arrangement	Close fitting door with Allen Key
o)	Thickness & Diameter of Base Plate	30 mm (Thk.), 840mm (O.D.) (IS 2062 GR. E250A)
p)	Size of Anchor Plate & Thickness	4mm (Thk.) with Uniform PCD of 740mm (IS 2062 GR. E250A)
q)	Detail of Template	3mm (Thk.) with Uniform PCD of 740mm (IS 2062 GR. E250A)
r)	Lighting Proection Final	Provided (1200mm)

Website : www.vsphighmast.com

Customer Support: - 81999 49720, 90340 41720



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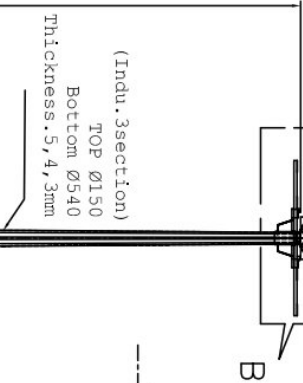
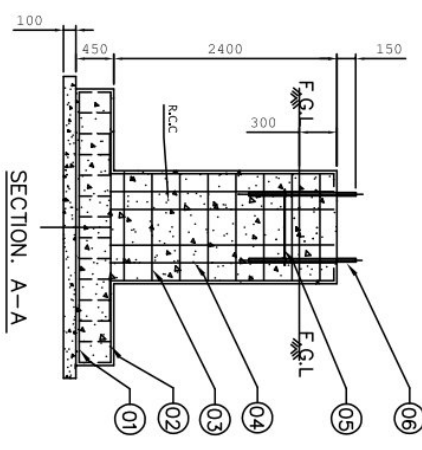
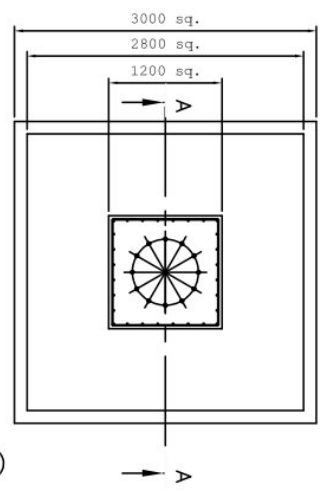
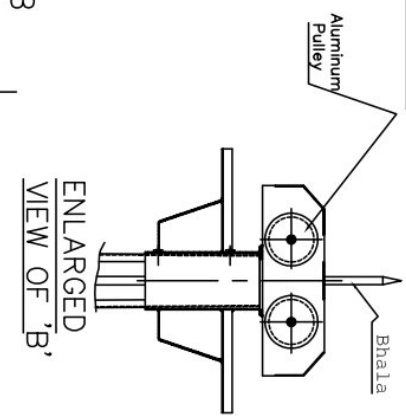
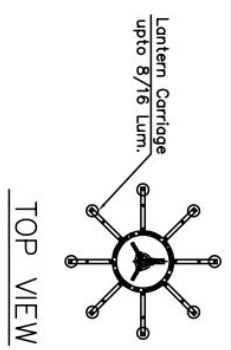
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2	<u>FOUNDATION BOLT DETAIL</u>	
a)	Number of Foundation Bolts	16 Nos. (IS 2062 GR. E250A)
b)	Length of Foundation Bolts	850mm
c)	Bolt Diameter	30mm
3	<u>LANTERN CARRIAGE</u>	
a)	Material of Construction	M.S. Pipe (Dia. 48.3mm)
b)	Number of Joint	2 Nos.
c)	Number of Arm Welded	8 Nos.
d)	Number of Fitting	Upto 16 Nos.
4	<u>WINCH</u>	
a)	Number of Drums	Double Drum Type
b)	Gear Ratio	53:1
c)	Method of Operation	Manual/Electrical
d)	Lubrication Arrangement	Permanent Oil Bath
5	<u>WIRE ROPE</u>	
a)	Standard	Steel Core
b)	Number of Ropes	3 Nos. for Lantern Carriage 2 Nos. for Double Drum Winch
c)	Construction	7/19
d)	Diameter (mm)	6 mm
e)	Thimble & Terminals	Provided
f)	Breacking Load Capacity	1750 Kgs.
6	<u>CABLE</u>	
a)	Type	5 Core Flexible
b)	Material	PVC Insulated
c)	Conductor Size	2.5 Sq.mm.
d)	No. of Coers	5 Nos.
e)	No. of Circuits	One
7	<u>POWER TOOL</u>	
a)	Model	Integral
b)	Input Supply	3 Ph 415 Volts AC
c)	Wattage/HP	1.5 HP

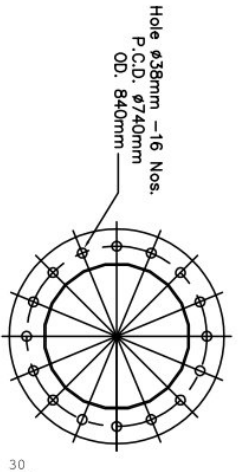
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DD NOT SCALE PRINT DRG. IF IN DOUBT PLEASE ASK



SECTION X-X



BASE PLATE DETAIL

FRONT VIEW

ENLARGED VIEW OF 'C'

SR.NO.	DESCRIPTION	SIZES.	MAT.	QTY.	MAT.	BOLT QTY. 16	
						BOLT Ø.	BOLT LENGTH.
06	FOUND. BOLT	Ø30	M.S	16		850mm	
05	ANCHOR PLATE	Ø840	M.S	01			
04	VERTICAL 'L' STEEL	Ø12x2670	M.S	28			
03	'SQUARE' RING STEEL	Ø8x4500	M.S	16			
02	'U' STEEL	Ø10x2900	M.S	28			
01	'X' STEEL	Ø10x2900	M.S	28			

NOTES:-

- 1) All dimensions are in mm
- 2) Length of section
 - a) 10500 b) 10500 c) 10500
- 3) Metal Protection
Hot Dip Galvanized Average 70 micron as per IS-2629.
- 4) Material Shaft -
Hot Rolled MS Plate as per IS-2062 Gr. E250A.
- 5) Material Base Plate & Foundation
Bolt as per IS 2062 Gr. E250A.
- 6) Make of the mast shall be VSTP.


TOLERANCE:-

- 1) A/F Top & Bottom ±4%
- 2) Length ±1.2%
- 3) Pole Straightness ±0.3%
- 4) Thickness ±2%

VSTP
 OFFICE/WORKS : Village Kutubpur, Hissar
 E-mail: gechissar@gmail.com

VIPIN S. T. POLES PVT.LTD.
 Title: Drawing of 30 Mtr High Mast Pole

DRAWN BY Manjeet	CHECKED BY Sanjay Kumar	APPROVED BY	PROJECTION SCALE SHEET NO. 1 OF 1
Client Name:- S.R. Electrical, Chitrogarh		D.No. 21.03.2024	

SR No.		Component / Operations	Characteristics	Class	Type of Check	Quantum of Check	Reference Document	Acceptance Norms	Format of Record		Agency			Remarks	
1	2	3	4	5	6	7	8	9	D*	M	A	E	11		
<p style="text-align: center;">QUALITY ASSURANCE PLAN (QAP)</p>															
		 VIPIN ST POLE PVT. LTD. Registered Office & Works : Khrad- Hansi Road, Village Dhani Kutubpur, Hisar, Haryana, 125044			Item : High Mast			QAP No.:VSTP/HM/23-24/ Rev. No. : NIL			Date:			Contractor Name :- S.R Electricals,Chittorgarh,Rajasthan.	
					Sub System : High Mast			Page:							
FINAL INSPECTION															
1	High Mast Structure	Dimension	Major	Measurement	10%	As per Approved TDS/Drawing	Internal Test Report		P	W	W				
		Galvanization	Major	Review		IS : 2629	Manufacturer TC		P	V	V				
VIPIN ST POLE PVT. LTD. Works : Khrad-Hansi Road,Village Dhani Kutubpur, Hisar, Haryana, 125044		Main SUPPLIER			Legend : *Record identified 'Tick' (✓) shall be included by supplier in QA documentation. M : Manufacturer / Sub Supplier A : Main Supplier E : End Customer OR TPI					For End User Use		DOC No.			
		"P" Performe			"W" : Witness		"V" Verification			Reviewed By	Approved By	Approval Seal			

*Note - Class (4) :- Under 'Class', indicate minor, major or critical depending on the importance of Item.