



PRASAR BHARATI
(INDIA'S PUBLIC SERVICE BROADCASTER)
O/o ADDITIONAL DIRECTOR GENERAL (E) (WZ)
ALL INDIA RADIO & DOORDARSHAN
P.B. ROAD, WORLI, MUMBAI-30.



NO.ADG (E)(WZ)/AIR-P/Shifting of 30m Guy wire Mast from Bhuj to Dwarka/ 2024-25 Dated. 07/01/2025

Subject: - Invitation of Budgetary Quote for the Shifting of 30m Guy wire Mast from Bhuj to Dwarka as per listed in the Budgetary Quote Form.

1. The budgetary quote form of the upcoming tender is enclosed herewith to offer comments, (if any) by prospective bidders/firms with budgetary quote.
2. Bidders/firms may please submit the above detail/ their quote on or before due date by e-mail to sgvaidya@prasarbharati.gov.in and mohanmahadeomose@prasarbharati.gov.in or at following address.

Sh. Suhas Vaidya

Assistant Director Engineering
O/o Additional Director General (E-WZ)
Akashvani & Doordarshan, 2nd floor, A.O.A building,
Doordarshan Complex, Worli, Mumbai – 400030
Mobile No.: 9423781165
e-mail id: sgvaidya@prasarbharati.gov.in ,
mohanmahadeomose@prasarbharati.gov.in

Due Date to offer Comments: 28.01.2025

Enclosed:

1. Budgetary Quotation form of the upcoming tender is enclosed herewith.

(Suhas Vaidya)
Assistant Director (E)
For Add. Director General (E),WZ
MUMBAI



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P.B. ROAD, WORLI, MUMBAI-30.



NO.ADG (E)(WZ)/AIR-P/Shifting of 30m Guy wire Mast from Bhuj to Dwarka/ 2024-25

Dated. 07.01.2025

Budgetary Quotation Form

Subject: - Invitation of Budgetary Quote for the Shifting of 30m Guyed Mast from Bhuj to Dwarka as per listed in the Budgetary Quote Form.

Last date of receipt of budgetary quotation in this office: 28.01.2025 up to 12:00Hrs.

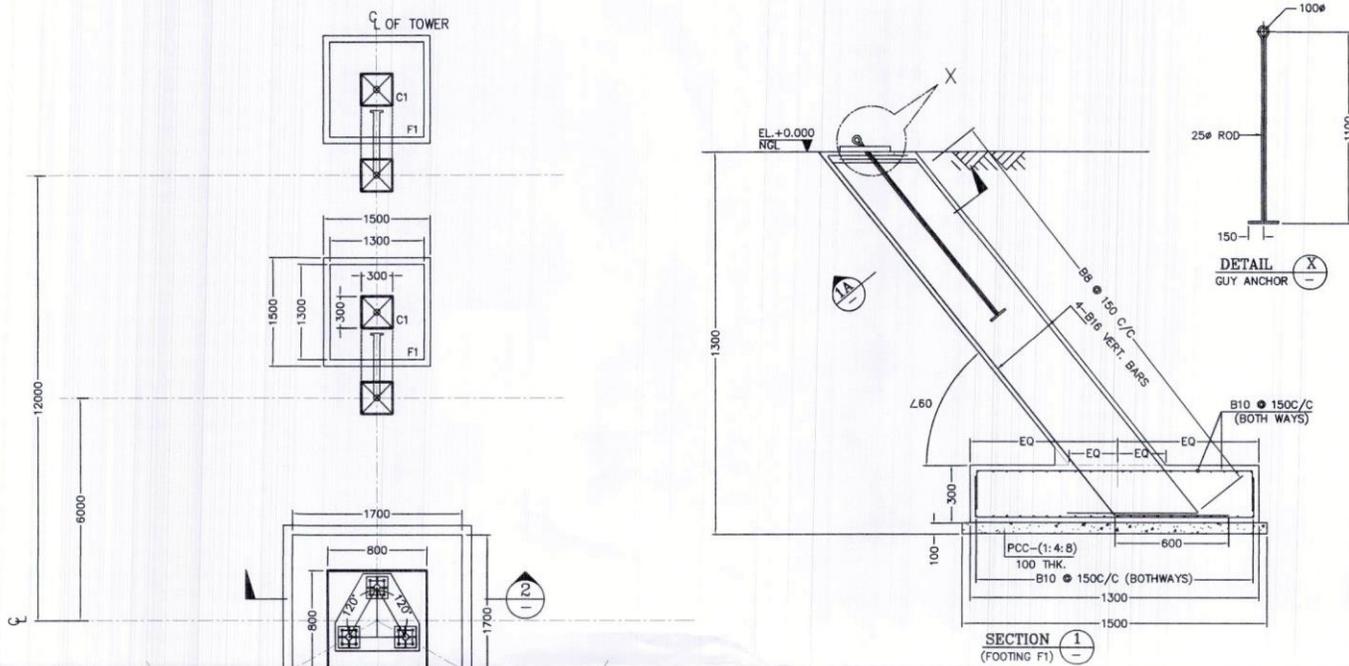
Please read carefully the terms and conditions given the enquiry quotation form.

SR NO	DESCRIPTION / SCOPE OF WORK	QTY	RATE	AMOUNT
1.	Dismantalling of 30 Meter guyed Mast, hauling down RF Cable and Single Bay FM Antenna, from Akashvani, DD Site Samatra Bhuj. [Note: Two Nos of Guy ropes from the top of the mast are in broken condition. All precautions are to be observed during dismantling work.	1 Job.		
2.	Transportation of dismantled 30 Meter guyed Mast, RF Cable and Single Bay FM Antenna from Akashvani, DD Site Samatra Bhuj to Akashvani, DD Site Dwaraka, including Loading and unloading.	1 Job		
3	Erection of Dismantled 30 Meter guyed Mast, RF Cable and Single Bay FM Antenna at Akashvani, DD Site Dwaraka.	NA		
3a.	Casting of mast foundation, fabrication of Base Plate – foundation bolt, template etc as per actual dimension of mast base / as per Drawing Provided. [The Dimension of the Mast / base view is slightly different compared to drawing, therefore Vendor has to ensure that the foundation bolt, fabrication of Template, Base Plate etc are as per existing Mast dimensions & with reference to the drawing.	1 Job		
3b.	Casting of Foundation for Guy Anchor Base / block, Providing Guy Anchor Hooks etc. as per Drawing.	1 Job		
3c.	Supply of 10 mm Guy Rope of ISI Quality (Make: similar to Usha Martin)	240 M		
3d.	Colouring of Mast as per AIR Specifications.	1 Job		
3e.	Supply & fixing of lightening arrestor, earthing armoured copper cable 16 sq. mm, single core, as per drawing.	1 job		
3f	Supply & fixing of LED based AOL along with power supply cable, up to switching point, as per drawing.	1 job		
3g.	Hauling up of Antenna on the Top portion of the Mast, re fixing the antenna fixture, hauling up of RF cable with clamping.	1 Job		
	Total			
	GST @			
	Grand Total			

Note:

1. L-1 will be decided on the basis of total amount of all the items.
2. Consignee: Installation officer, Akashwani Dwarka
3. Time of execution as per permission of engineer in charge at Akashwani Dwarka
4. The bidder must be experienced in same kind of work
5. Specifications of the item to be procured is attached with this form, filling the budgetary quote specifications should be considered extensively.
6. Supply has to be done as per the terms and conditions in upcoming tender documents.
7. Quantity of Material & Scope may increase or decrease as per actual requirement/constraints at site.
8. Validity: 120days
9. Insurance of Labour during the Complete work
10. Pre-visit to the Site (If Required)
11. Declaration: We declare that all the conditions as given in the quotation form have been read by us.

Name (in capital) _____
(Seal & Signature of the Bidder)



- NOTES**
1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
 2. DO NOT SCALE THE DRAWING, FOLLOW ONLY FIGURED DIMENSIONS.
 3. USE M25 GRADE CONCRETE AND Fe 500 GRADE FOR STEEL.
 4. CLEAR COVER TO MAIN REINFORCEMENT:-
 - (a) 50MM FOR FOUNDATION
 - (b) 25MM FOR BEAMS
 - (c) 40MM FOR COLUMNS
 - (d) 50MM AT ENDS
 5. PRIOR TO AND DURING CONCRETING ALL BOLTS SHALL BE SECURELY HELD IN POSITION BY USE OF TEMPLATE.
 6. BEFORE COMMENCEMENT OF CONSTRUCTION USING THIS DESIGN, CLIENT/CONTRACTOR SHALL CARRY OUT DETAILED SOIL INVESTIGATION OF EVERY SITE.
 7. THIS FOUNDATION DESIGN SHALL NOT BE USED IN CASE HIGHLY SOIL ARE FOUND AT ANY DEPTH DURING SOIL INVESTIGATION.
 8. CONCRETE SHALL BE MECHANICALLY MIXED & VIBRATED.
 9. SPLICING OF BARS SHALL NOT BE MORE THAN 50% AT ANY LOCATION.
 10. PROPER CURING OF CONCRETE SHALL BE DONE.
 11. BENDING OF BARS SHALL BE AS PER IS-2502.
 12. ANY DISCREPANCY SHOULD BE BROUGHT TO THE CONSULTANT'S ATTENTION.

GENERAL DETAILS

S.No	DESCRIPTION	DETAILS
1	SOIL BEARING CAPACITY	8.00 T/SQM
2	DRY DENSITY OF SOIL	1.8 T/SQM
3	ANGLE OF REPOSE	30.00 DEGREE

BILL OF MATERIALS

ITEM	UNIT	TOTAL
EXCAVATION	CUM	23.0
PCC-(1:4:8)	CUM	1.75
RCC	CUM	5.07
STEEL	KG	550

CHAIRS SHALL BE PROVIDED WHEREVER REQUIRED

FOUNDATION LAYOUT PLAN

SECTION 1A
COLUMN C1 300x300

SECTION 2A
COLUMN FT 800x800



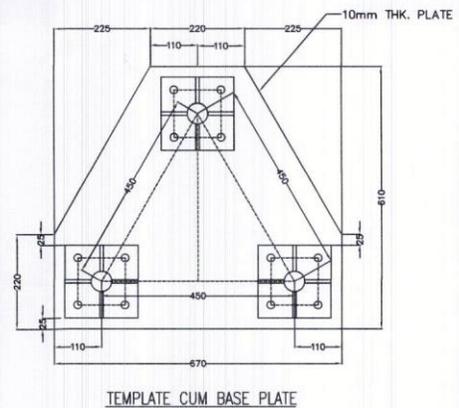
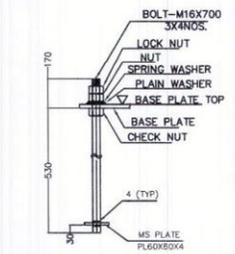
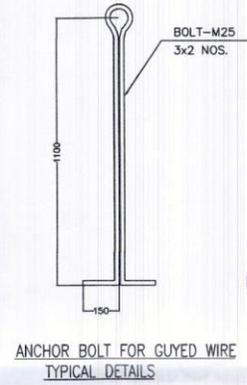
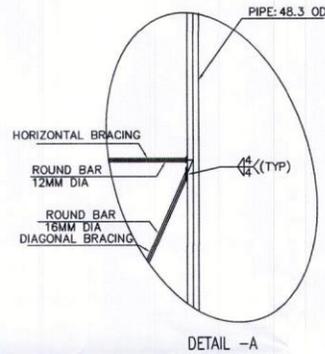
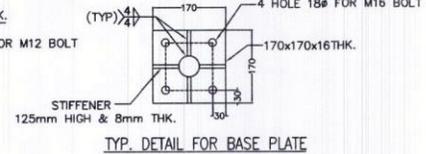
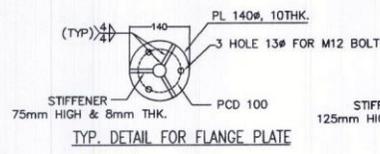
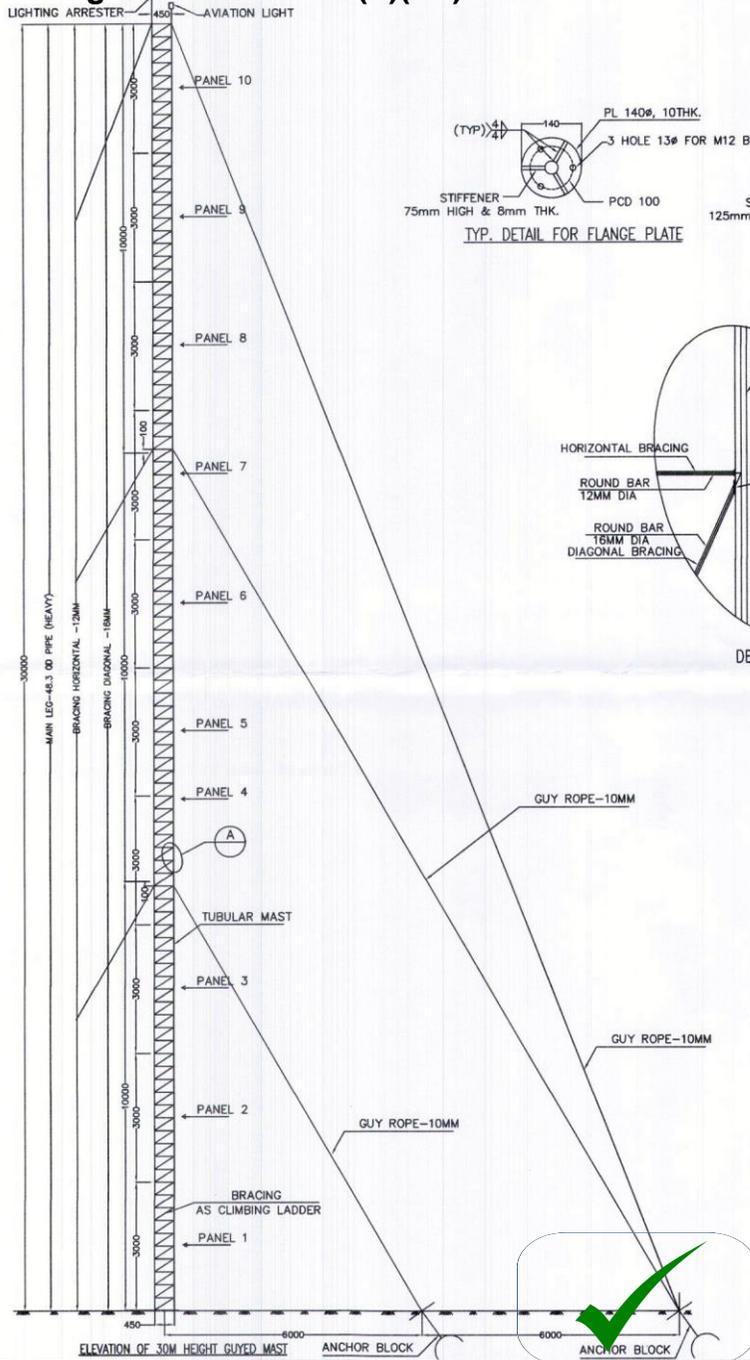
Check & Found O.K.

Sonty Venkata Surya Bhavani
Assistant Professor
Department of Civil Engineering
S.V.N.I.T., Surat-395 007.



SECTION 2B
(FOOTING F2)

Signature :-
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ZEN ENGINEERING SOLUTIONS, C=IN
User ID: srizeneng
Serial No: 1488117
DN: rksingh, rksrivastav
TQ: rksrivastav, rksingh



Signature: *[Signature]*
 Subject: CN-SOLIT-VENKATA SURYA BH...
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 ZEN ENGINEERING SOLUTIONS, C=IN
 User ID : srizeneng
 Serial No : 1488117
 PB : rksingh.rksrivastav
 TO : rksrivastav.rksingh

VIJAYAWADA ENGINEERING SOLUTIONS
 Assistant Professor
 Department of Civil Engineering
 S.V.N.I.T., Surat-395 007.

- NOTES**
1. ALL DIMENSIONS ARE IN MM AND LEVELS IN MTS. UNO.
 2. DO NOT SCALE THE DRAWING, FOLLOW ONLY FIGURED DIMENSIONS.
 3. ALL PANEL MEMBERS OF GUYED MAST SHALL BE GALVANISED.
 4. USE FLANGES WITH BOLTS FOR LEG MEMBER CONNECTIONS.
 5. GUYED MAST HAS BEEN DESIGN AS PER IS 800:2007
 6. GUYED MAST LOADING SHALL NOT EXCEED THE LOADING INDICATED IN DRAWING.
 7. FIELD CONNECTIONS SHALL BE BOLTED WITH LOCK WASHERS, NO FIELD WELDING SHALL BE ALLOWED.
 8. TOWER DESIGN ASSUMES THAT AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED BY OTHERS OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH INDIAN STANDARDS.
 9. ALL LEVELS / COORDINATES / DIMENSION SHALL BE CONFIRMED FROM ENGINEER. IN CASE OF ANY DISCREPANCY ARRIVES, IT SHALL BE IMMEDIATELY NOTIFIED TO ENGINEER IN CHARGE

GENERAL DETAILS

ANTENNA LOADINGS:-
 2 NOS. FM ANTENNA

WIND SPEED : 55 M/S

TOWER BASE:-
 : 450MM (C/C) SIDE TRIANGULAR AT BASE.
 : 450MM (C/C) SIDE TRIANGULAR AT TOP.

TOTAL NO. OF PANELS : 10 NOS. IN 30M HEIGHT

GUY WIRE : 10MM (CONNECTED AT 10M, 20M AND 30M LEVEL)

BREAKING STRENGTH : 59 KN

INITIAL TENSION IN WIRE : 3.8 KN

MATERIAL

MAIN LEG : FY-240

BRACING AND FLANGES : E250

GUY WIRE : SS304

BOLTS : 5.5 GRADE

FOUNDATION BOLTS : 4.6 GRADE

REVISION NOTES

REV. NO.	DESCRIPTION	DATE	SIGN.
DRAWN	CHECKED	APPROVED	DATE
RAJESH	M.K.	M.G.	21-Jan-2023
			NTS

CLIENT:
ALL INDIA RADIO DOORDARSHAN
 JAMNAGAR HOUSE, NEW DELHI

Drawing No.
AIR/NZ/30MH/Guyed/2023/001

AIR W.O. NO.	AIR-col00watt/2V/16/2022-23(Design of Guy Mast)
AIR SPECS NO.	As Per Tender Annexure-1
APPROVING AUTH.	MIT SURAT
DRAWING TITLE:	GUYED MAST

TYPICAL DETAILS OF 30M HIGH GUYED MAST

REV.	REV.
	0

9067802/2023/ATR-Design/Division/O/o R&D(B)/INZ

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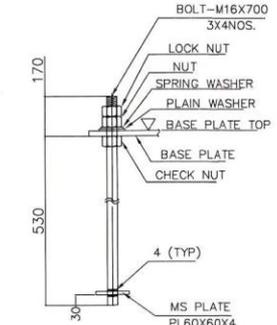
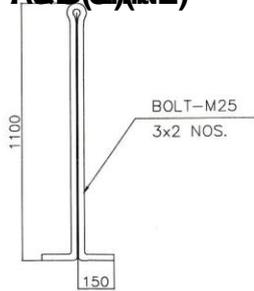
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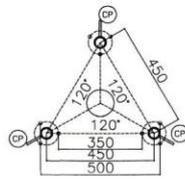
MATERIAL

MAIN LEG : FY-240
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GUY WIRE : SS304
BOLTS : 5.8 GRADE
FOUNDATION BOLTS : 4.8 GRADE

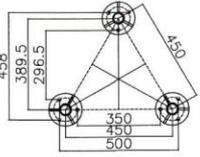
**ANCHOR BOLT FOR GUYED WIRE
TYPICAL DETAILS**



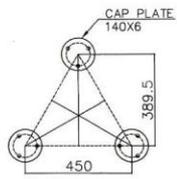
ANCHOR BOLT TYPICAL DETAILS



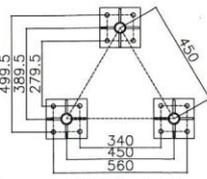
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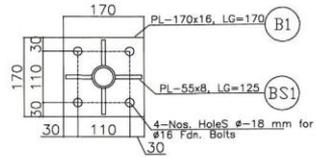
VIEW 2-2



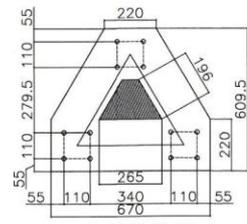
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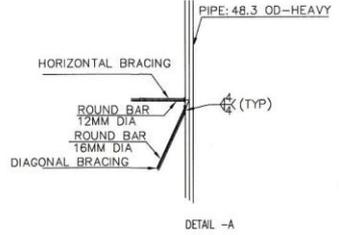
VIEW 1-1



BASE PLATE



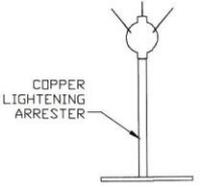
TEMPLATE



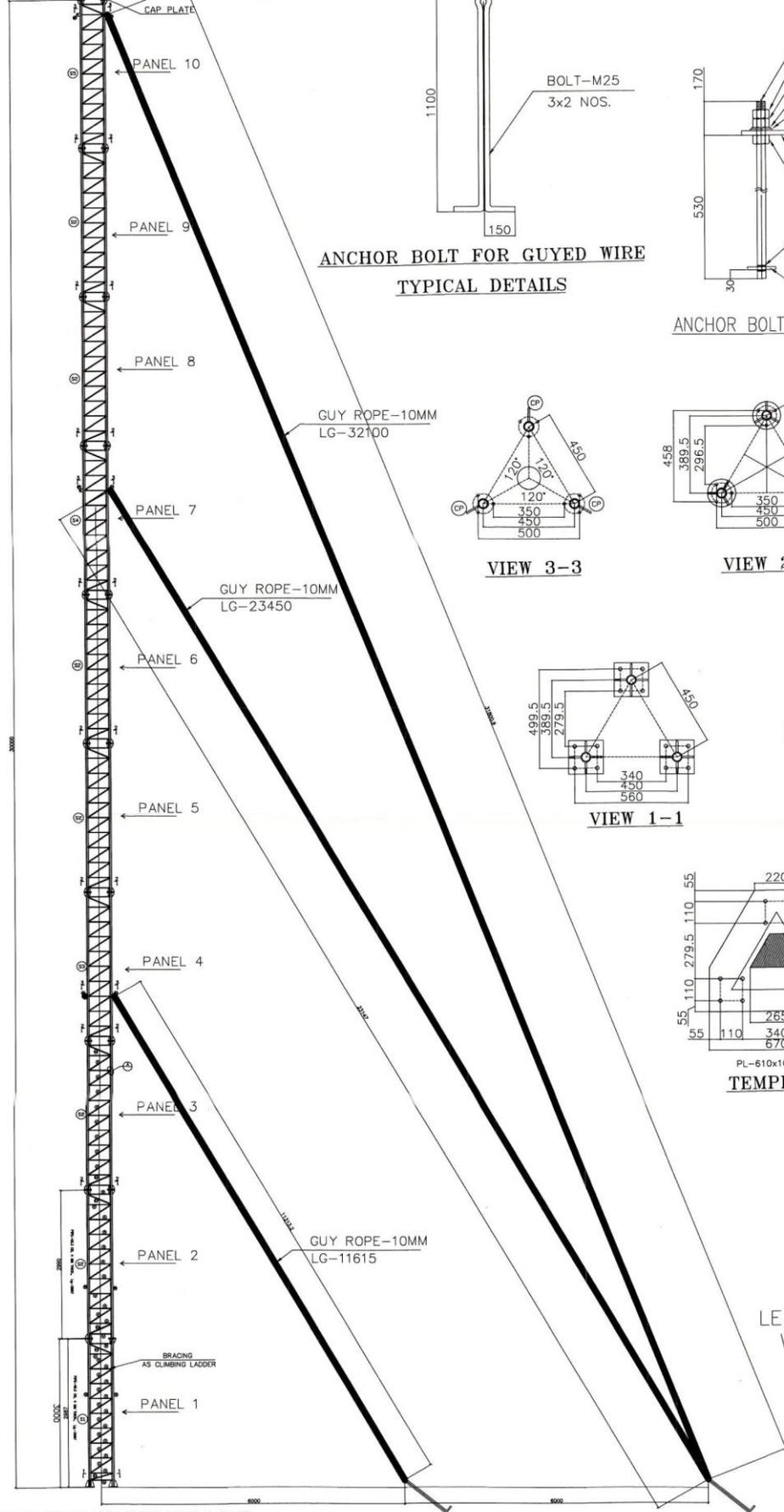
DETAIL -A



LED BASED TWIN AOL WITH SUN SWITCH (LOW INTENSITY)



LIGHTENING ARRESTER



ELEVATION OF 30M HEIGHT GUYED MAST

[Handwritten Signature]

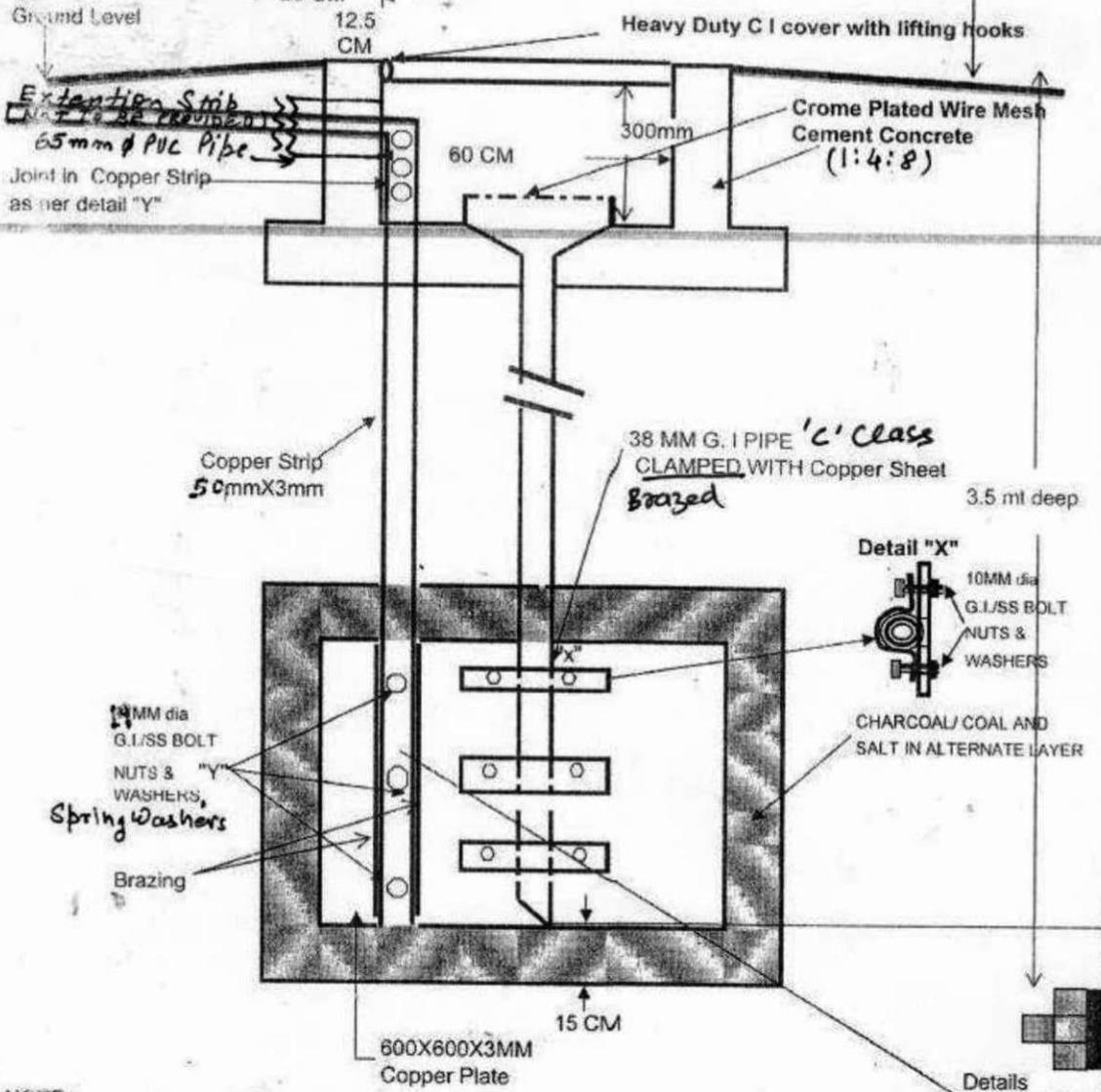


ADDITIONAL INFORMATION W.O.No. STATUS OF DRAWING CONTRACT DISTRIBUTION OF PRINTS P.D.No.		CLIENT: ALL INDIA RADIO (JAMNAGAR HOUSE, NEW DELHI) PROJECT: 100 W FM Tr. at AIR sites in North Zone. DRAWING NO. AIR/NZ/30M/H/Guyed/2023/003 <table border="1"> <tr> <th>NO.</th> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>01</td> <td>DRW</td> <td>25.01.23</td> </tr> <tr> <td>02</td> <td>CHK</td> <td>25.01.23</td> </tr> <tr> <td>03</td> <td>APP</td> <td>28.01.23</td> </tr> </table>		NO.	NAME	DATE	01	DRW	25.01.23	02	CHK	25.01.23	03	APP	28.01.23						
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01	DRW	25.01.23																			
02	CHK	25.01.23																			
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ZEN ENGINEERING SOLUTIONS, C=IN
User ID : srizeneng
Serial No : 1488117
PB : rksingh, rksrivastav
TQ : rksrivastav, rksingh

TYPICAL COPPER PLATE EARTHING



NOTE:

- i) All the joints in Copper Strip should be overlaped minimum 6" and connect with 14 mm dia G.I./SS bolts, nuts, washers & spring washers at 3 places.
- ii) All the cutting ,drilling brazing etc. in the Copper Strip/ Plate and bolts, nuts etc. shall be Sealed with Anticorrosive Bitumen Paint

S



Drawing No. 15175/2 (General)



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 TQ : rksrivastav,rksingh