



प्रसार भारती
Prasar Bharati
भारत का लोक सेवा प्रसारक
India's Public Service Broadcaster
कार्यालय: अपर महानिदेशक (अभि.) (उत्तरी क्षेत्र)
Office of the Additional Director General (E) (NZ)
आकाशवाणी एवं दूरदर्शन
Akashvani & Doordarshan
आठवां तल, सूचना भवन, सी.जी.ओ. कॉम्प्लेक्स, नई दिल्ली 110003
8th floor, Soochna Bhawan, CGO Complex, New Delhi-110003



Leh/2V/3/2025-26/Instt./(False Ceiling)

Dated: 18.07.2025

Subject: Structural health analysis of 100Meter existing Tower at DD Site LEH (Ladakh-UT).

1. The budgetary quotation & drawings of the upcoming bid is enclosed herewith to offer comments, if any by prospective bidders/firms.
2. Bidders/firms are requested to provide information about content in respect of scope along with budgetary quote.
3. Bidders/firms may please submit the above detail on or before due date by e-mail to rksrivastav@prasarbharati.gov.in or at following address.

R.K Srivastav
Assistant Director (Engg.)
Room No. 899-C,
O/o ADG (E)(NZ)
Akashvani & Doordarshan,
8th floor, CGO Complex,
Soochna Bhawan, New Delhi-110003
Mobile No.: 9873364977
e-mail id: rksrivastav@prasarbharati.gov.in

Budgetary Quotation for: Structural health analysis of 100Meter existing Tower at DD Site LEH (Ladakh-UT).

Due Date to offer Comments: 01.08.2025

Enclosed:

1. Budgetary Quotation form & drawing of the upcoming bid is enclosed herewith to offer comments, if any by prospective bidders/firms.


Assistant Director (Engg.)
For Additional Director General (E) (NZ)

रवीन्द्र कुमार श्रीवास्तव / Ravinder Kumar Srivastav
सहा. निदेशक (अभि.) / Asstt. Director (Engg)



LEH/2V/3/2025-26/Instt./(Structural health analysis)

Dated:18.07.2025

Budgetary Quotation Form

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

Project: Setting up of 5kW(1+1) FM Transmitter set-up at DD Site LEH (Ladakh-UT).

Subject: Structural health analysis of 100Meter existing Tower at DD Site LEH (Ladakh-UT).

Last date of receipt of budgetary quotation in this office: 01.08.2025 up to 12:00Hrs

S.No.	Description	Qty.	Rate	Amount
1.	Structural analysis of 100M TV Tower at DD Site LEH (Ladakh-UT) in view of hauling of 16 panel VHF FM Antenna. Scope of work for structural analysis are as per below: The following scope points may also be taken into consideration with respect to the structural analysis of the existing 100M TV Tower at DD Site LEH (Ladakh-UT). a) Analysis for hoisting and fixing of 16 panel VHF FM Antenna on aperture of tower for FM radio transmission. <ul style="list-style-type: none">Antenna radiating power: 80kW16 panel VHF FM Antenna weight: ≤3500kgAntenna wind load: ≤4500kgMaximum wind speed: 198 km/hrVertical Antenna aperture height: 12000mm b) The existing 4 bay side mount FM antenna, (belonging to three private Broadcasters, operating from this complex), hoisted on lower (FM) aperture of tower for FM radio transmission shall be dismantled. c) DD antenna is already hoisted on upper most apertures meant for TV is being utilized. d) Preliminary site visit is mandatory for the structural analysis. The site visit certificate issued from station may be submitted along with the submission of tender. e) Detailed measurement of existing structural members with bolts, panel dimensions, Base dimension etc. (physical inspection) f) Preparation of drawing as per site condition. g) Analysis of foundation. h) Analysis modeling in STAAD pro with load calculation etc. i) Strength assessment and recommendations with drawings. j) 100M TV Tower stability certificate from IIT/NIT.	01 Job		
	Total			
	GST @			
	Grand Total			

Note:

- Scope of the order shall be as defined in the order, specifications, drawings and appendices there to.
- The bidder shall follow the best modern practice of high grade equipment notwithstanding any omission in that, the bidder shall in all respect design, engineer, manufacture, and supply the same within delivery period to the entire satisfaction of the organization.
- The scope of current bid/tender is structural health analysis of 100Meter existing Tower at DD Site LEH (Ladakh-UT).
- Details 100M DD Tower drawings have been provided with tender for guidance of bidder. The preliminary site visit is mandatory for the structural analysis. The site visit certificate will be issued from station and may submitted along with the submission of bid/tender.
- Experience details of similar scope executed during last seven years shall be submitted as per general terms and condition of contract.
- Time of execution scope as per permission of engineer incharge at DD Site Leh (Ladakh-UT).
- The bidder must be experienced in same kind of scope & shall submit documentary evidence with offer. The completion certificate is also to be attached issued by any Central and State Government agency, PSUs, Private organizations. (In case of SITC/SETC and specialized scope, the contractor should also have sufficient experience and shall submit the experience certificate of satisfactory completion of at least three similar works, each of value not less than 40% of the estimated cost put to tender or two similar works, each of value not less than 60% of the estimated cost or one similar work of value not less than 80% of the estimated cost, all amounts rounded off to a convenient full figure, in the last 7 years ending on the last day of the month previous to the one in which the tenders are invited”).
- Execution of scope has to be completed without break in service at DD Site Leh (Ladakh-UT).
- Before submitting the offer tenderer must visit site and with prior permission of the site in-charge and submit confirmation of site visit. Technical details will be provided by In-charge of Site/I.O.

- The firm has to produce a list all such labour along with the address proof which are to be employed office on signing contract. The firm shall issue the identity cards to all such persons to facilitate the entry in at DD Site Leh (Ladakh-UT).
- Any damage or misplace in equipment will have to be provided by the firm during execution.

Note:

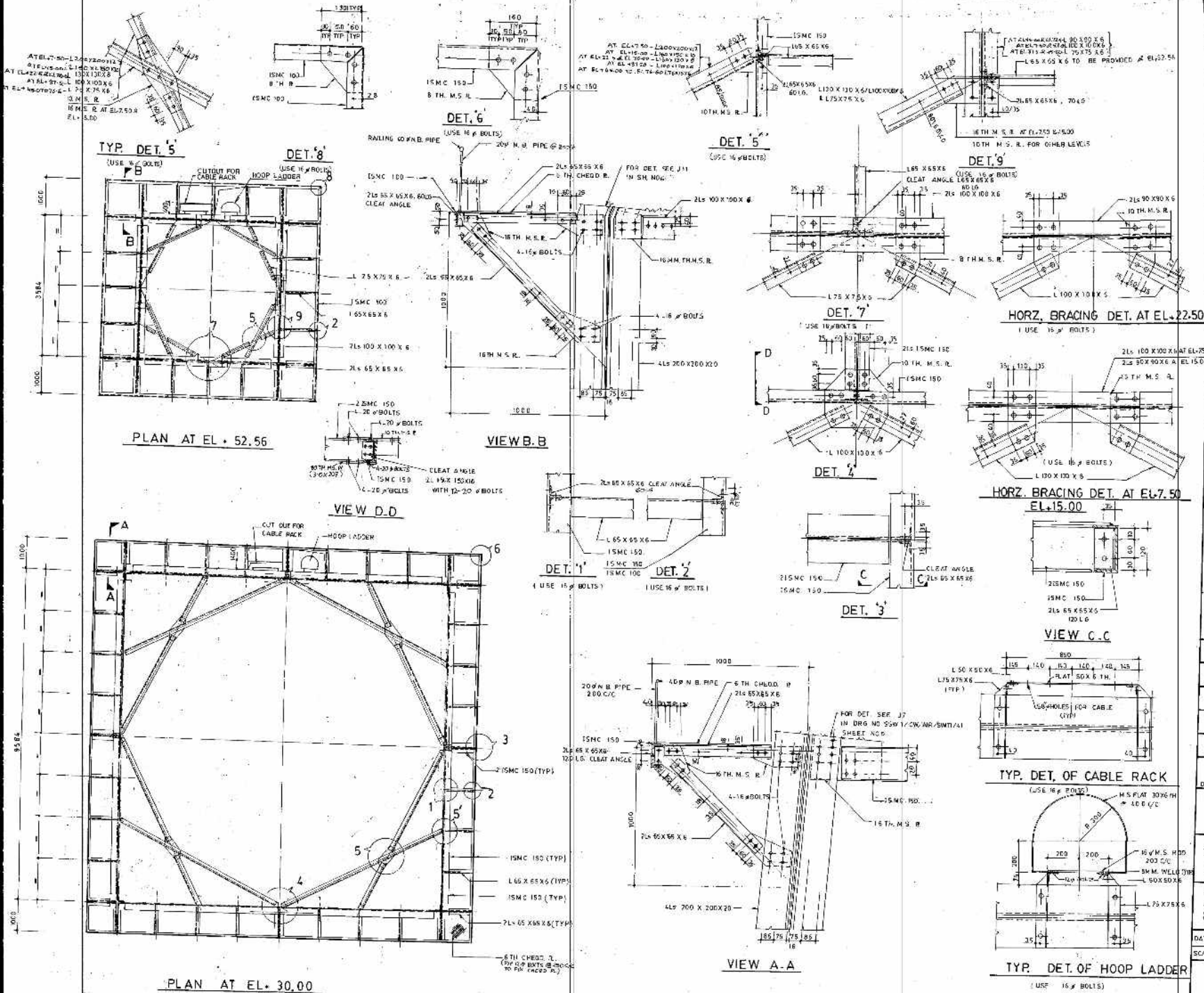
1. Quantity of Scope may increase or decrease as per actual requirement/constraints at site.
2. Please read carefully the terms and conditions given in this quotation form.
 - a) GSTIN No: b) PAN No.....
3. **Delivery at:** Setting up of 5kW(1+1) FM Transmitter set-up at DD Site Leh (Ladakh-UT).
4. **Consignee:** Installation officer, DD Site LEH (Ladakh-UT).
5. **Completion Period:** Execution/Completion of scope in good condition within 30days from the date of order.
6. **Validity:** 120days
7. **Payment terms:**
 - 100% payment will be paid on completion/execution of scope & submission of report in good condition.
8. **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)

DDI

NOTES

1. ALL DIMENSIONS ARE IN MM. 6 PLYS. ARE IN
2. ALL BOLTS 16 & 20 # ARE OF PROPERTY CLASS AS PER IS: 1347, 12 # BOLTS OF PROPERTY CLASS
3. PER OTHER NOTES REFER DRG NO. SSW/1/00



DATE REV NO REVISIONS

CIVIL CONSTRUCTION WING
ALL INDIA RADIO, NEW DELHI

CONSTRUCTION OF 100 M. HIGH S
T.V. TOWER AT LEH.

DET OF PLATFORMS AT EL. 30.00
& CONNECTION DET. OF HORZ. BRAC

DATE 20.4.90 DRS NO SSW/CW/AIR/S
SCALE 1:50 1:10 SHEET NO 7

DESIGNED BY CHECKED BY

APPROVED BY

ALL BOLTS ARE 20# OTHERWISE MENTIONED

DDI

NOTES

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE
2. FOR OTHER NOTES REFER DRS NO SSW-1/CW/AIR/SW/1
SHEET NO. 1 TO 7

VIEW 8-8

VIEW 3-3

DET. C

DET. D

VIEW 4-4

DET. A

VIEW 7-7

VIEW 6-6

PLAN OF PLATFORM AT EL 76.60

PLAN OF BAND III ANTENNA

(ALL BOLTS ARE 16# UNLESS NOTED)

PLAN OF BAND II ANTENNA

(ALL BOLTS ARE 16# UNLESS NOTED)

DATE: 11.5.80 REV. NO. 1 REVISIONS: CHECKED BY: A.P.

CIVIL CONSTRUCTION WING
ALL INDIA RADIO, NEW DELHI

CONSTRUCTION OF 100 M HIGH STEEL
T.V. TOWER AT LEH

DET. OF ANTENNA LADDER & PLATE

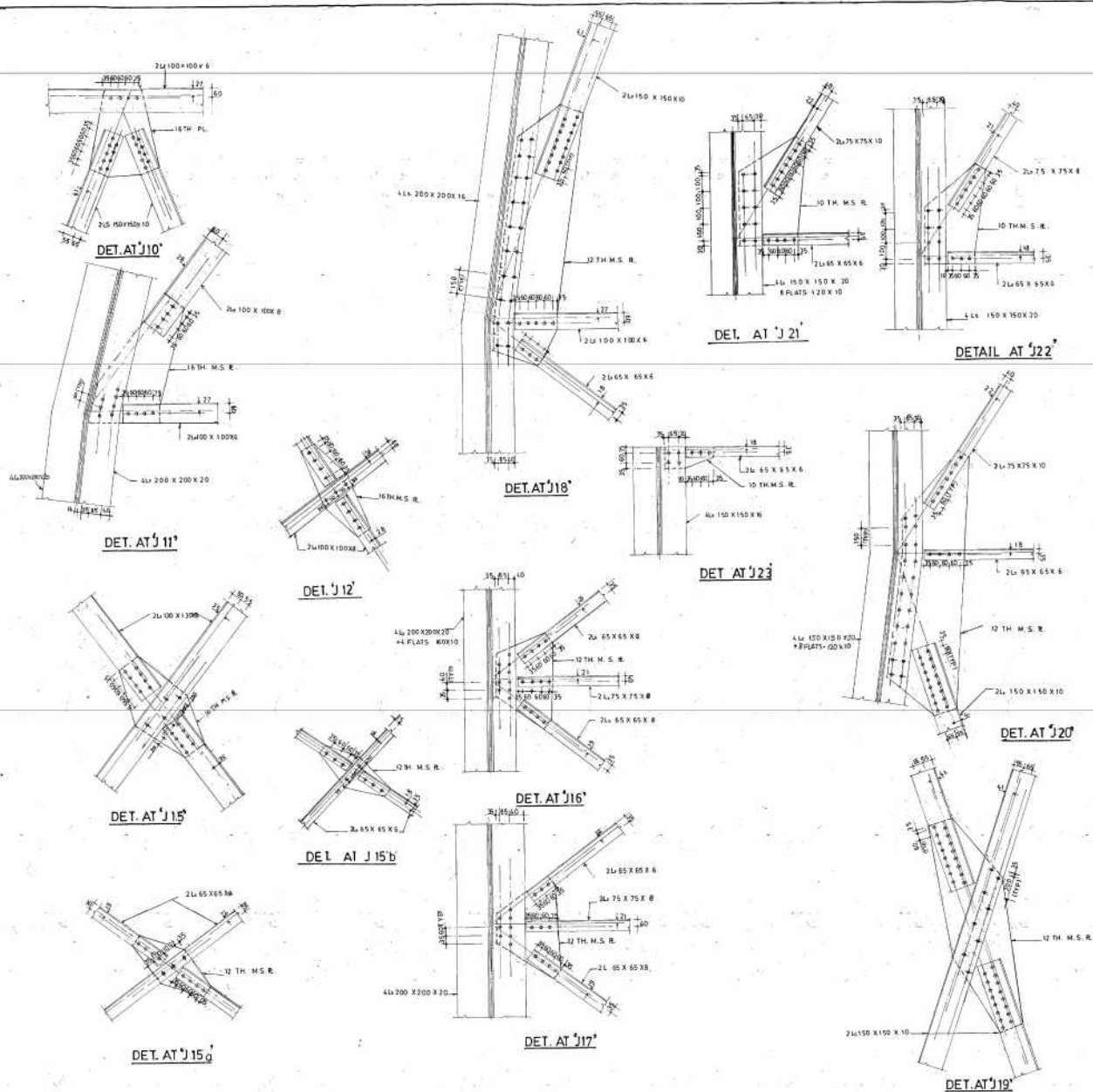
DATE: 11.5.80 DRS NO: SSW-1/CW/AIR/SW/1
SCALE: 1/8" = 1'-10" SHEET NO: 8

RECU	DESIGNED BY S. K. SINGH	CHECKED BY A. K. CHETAN
DRN BY A. K. CHETAN	DESIGNED BY N. S. HANUMAN	CHECKED BY N. S. HANUMAN
SWIT	SSW-1	CHIEF ENGINEER

DDI

NOTES:

- 2 USE 20# BOLTS OF PROPERTY CLASS 4.8, IS 1367 FOR ALL BRACING JOINTS









DATE	REV. NO.	REVISIONS	CHECKED BY	APPROVED BY

CIVIL CONSTRUCTION WING

ALL INDIA RADIO NEW DELHI

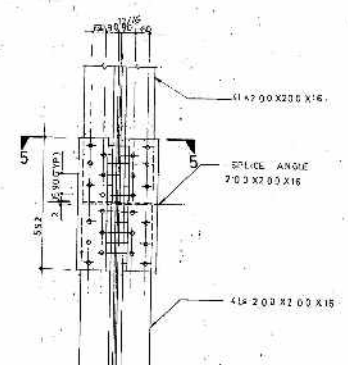
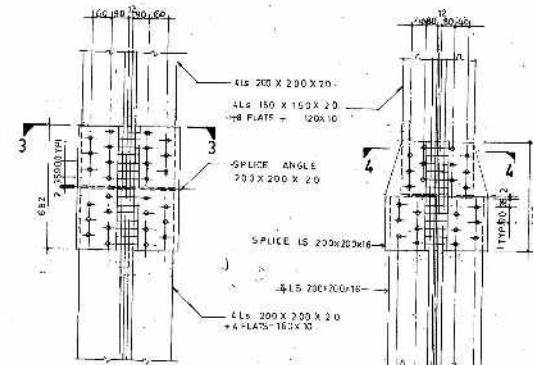
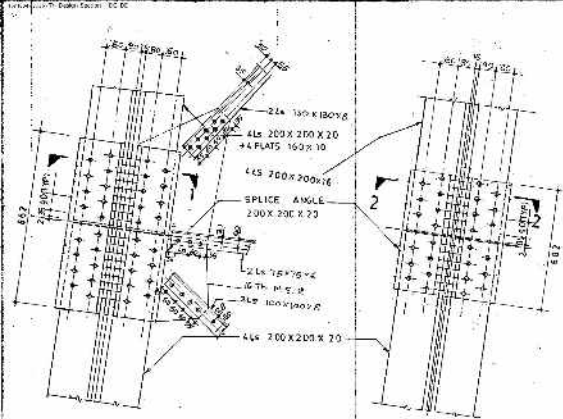
CONSTRUCTION OF 100M. HIGH STEEL T.V.TOWER
AT LEH

DETAIL OF JOINTS

DATE	31. 1. 90	DRG. NO SSWI/CW/AIR/SW(T)/41	
SCALE	1:10	Sheet no.6	
 DRAWN BY A. R. CHETHANI	 S.K. SINGH DESIGNED BY	 A. R. CHETHANI CHECKED BY	
 A. R. CHETHANI	 K. ALWARAPPA S.W.I	 N. R. CHANNARAYANA C.E. (C)	

NOTES

1. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN
2. DIMENSIONS SHALL NOT BE SCALED OFF FROM
3. FOR OTHER NOTES REFER DRG NO SSW I/CW/AIR/SWT
4. FOR SPICE JOINTS SP1 TO SP11 (IN VERTICAL LEG USE 20# BOLTS HAVING PROPERTY CLASS 10.8 AS
5. FOR SPICE JOINTS SP12 & SP13 (IN DIAGONAL LEG USE 20# BOLTS OF PROPERTY CLASS 4.8 AS



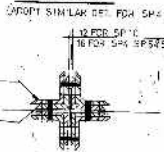
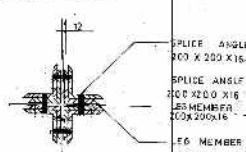
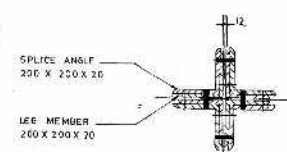
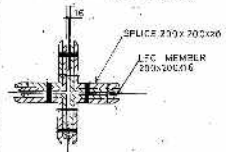
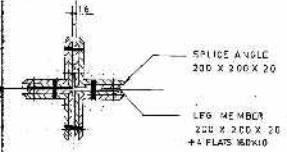
DET. SP. 8 / J13

DET. SP. 2
(ADAPT. SIMILAR DET. FOR SP4 SP5 SP6 & SP10)

DET. SP. 9

DET. SP. 11

DET. SP. 5
(ADAPT. SIMILAR DET. FOR SP4 SP5 SP6 & SP10)



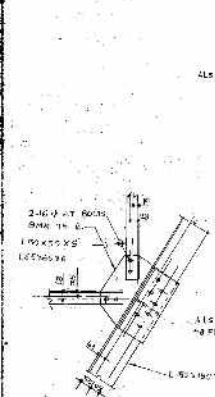
SEC. 1-1

SEC. 2-2

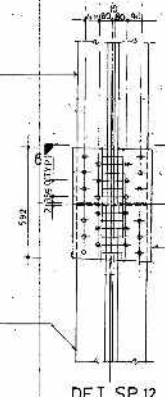
SEC. 3-3

SEC. 4-4

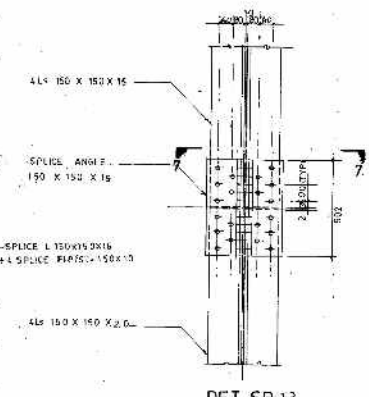
SEC. 5-5



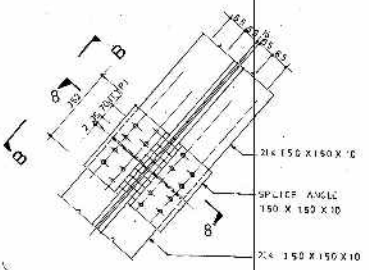
VIEW B-B



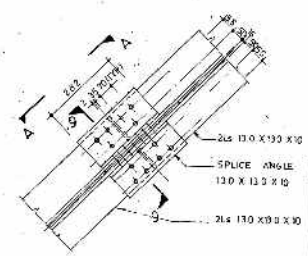
DET. SP. 12



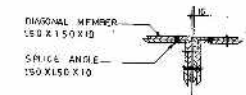
DET. SP. 13
(ADAPT. SIMILAR DET. FOR SP14)



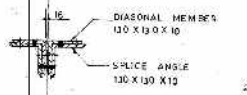
DET. SP. 16



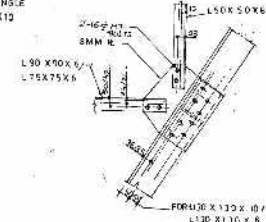
DET. SP. 15



SEC. 8-8



SEC. 9-9



VIEW A-A

CIVIL CONSTRUCTION WING
ALL INDIA RADIO, NEW DELHI

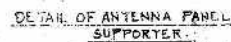
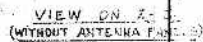
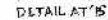
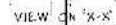
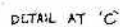
CONSTRUCTION OF 100 M. HIGH STE
T.V. TOWER AT LEH

DET. OF SPLICES

DATE: 9.4.90
SCALE: 1:10
DRG NO: SSW I/CW/AIR/SWT
SHEET NO: 4

DESIGNED BY S. K. SINGH	CHECKED BY A. K. CHETANI
DRN BY A. K. CHETANI	CHECKED BY R. N. CHAKRABORTY
SWIT	CHIEF ENGINEER

175



1. 24 NOS. OF ANTENNA PANELS ARE TO BE MOUNTED ON THE TOWER, 6 ON EACH FACE AS SHOWN.
2. ALL PARTS ARE FABRICATED OUT OF M.S. ANGLES & HOT DIP GALVANIZED.

FOR BAND III ANTENNA.

PANEL CHANNEL	CH-5	CH-6	CH-7	CH-8	CH-9	CH-10	CH-11
6	229	260	277	265	258	250	242

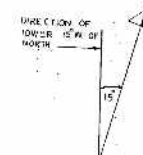
OFF-LET $\lambda = 0.177 \text{ NO.}$
(λ CORRESPONDS TO CENTRE FREQUENCY f_0 OF
BANDPASS)

DIRECTORATE GENERAL
DOOR DARSAN NEW DELHI.
DRG. NO. T.V.T. 2144.A

RETRACE 054. DS/TR CHECKED APP

ANTENNA PANELS ARE DELETED ON ONE OF THE
FACES OF THE TOWER FOR 18W ANTENNA.

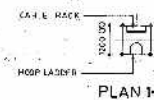
TRACED FROM B.E.L. DES No E-155704 (INSTALLATION MANUAL



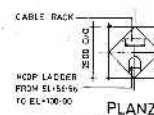
15.03	RI	NORTH DIRECTION MARKED				15/03/2011			
DATE	REV NO	REV:SION				CHECKED BY			
CIVIL CONSTRUCTION WING									
ALL INDIA RADIO, NEW DELHI									
CONSTRUCTION OF 100 M. STEEL T.V									
TOWER AT LEH.									
FOUNDATION DETAIL									
DATE 1.3.90		DRG NO SSW/CW/AIR/S							
SCALE 1:100, 1:1R		SHEET NO 2							
R.N.R NEELU		S. K. SINGH				A. K. CHAKR			
DRN BY		DESIGNED BY				CHECKED			
A. K. CHETANI		K. ANANDAN				R. N. CHAKR			
S. W. J.		S. S. W. J.				CHIEF CL			

NOTES: •

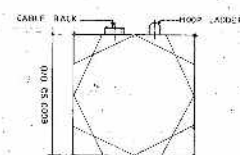
1 ALL DIMENSIONS ARE IN MM. AND LEVELS ARE IN METERS.
2 THE DIMENSIONS SHALL NOT BE SCALED OFF FROM THE DRS.
3 IN CASE OF ANY DISCREPANCY THE SAME SHALL BE BROUGHT
4 THE NOTICE OF S.E.W.I., C.C.M., A.R., NEW DELHI FOR
5 CLARIFICATION IMMEDIATELY.



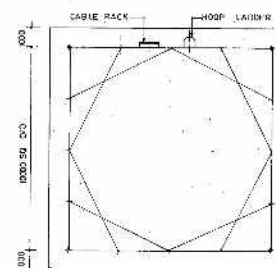
PLAN 1.



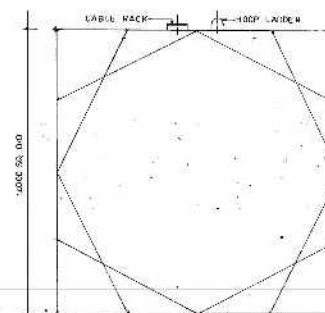
PLANZ-



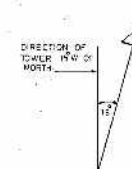
PLAN 4-4



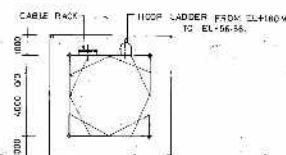
PLAN 6-6



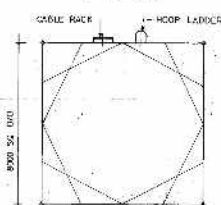
PLAN 8-8



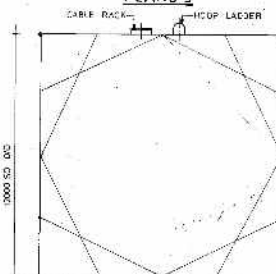
IAS DIRECTED BY CG DOORWARSHAN
NEW DE HI VIB DRGNO.TST.5300



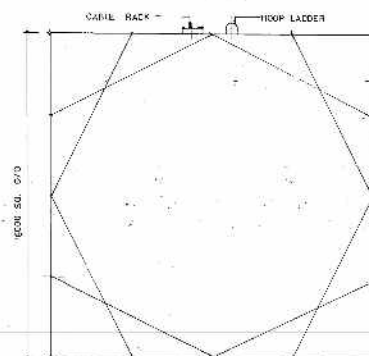
PLAN 3-3



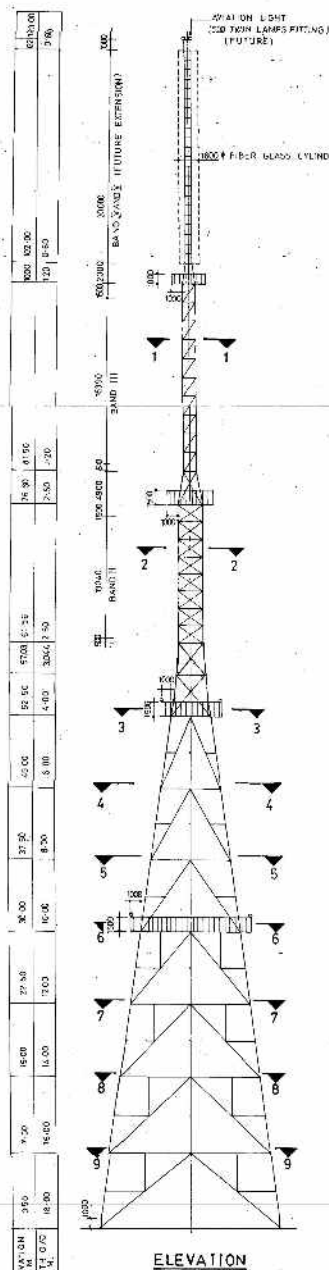
PLAN 5.5



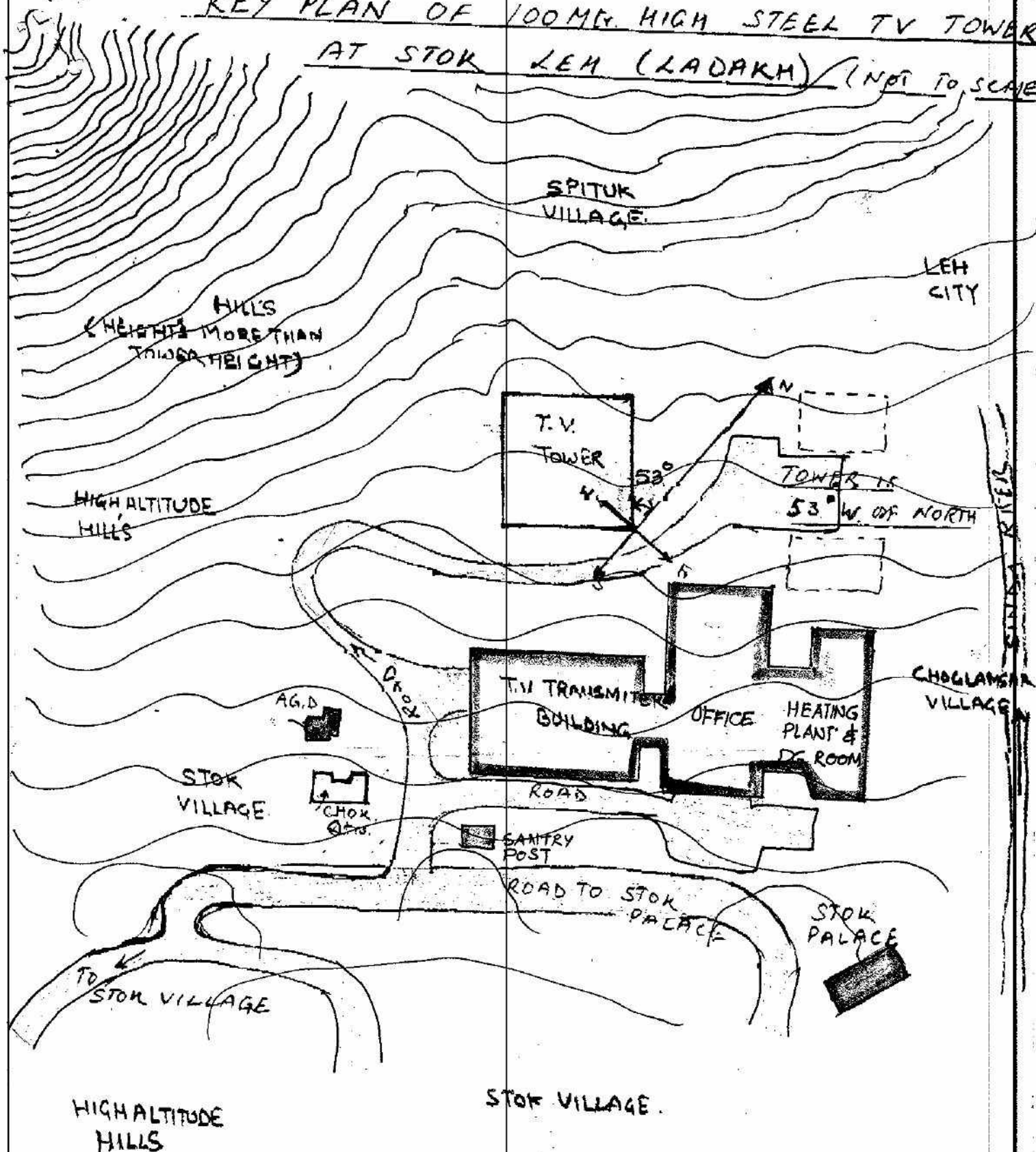
PLAN 7-7



PLAN 9.9



KEY PLAN OF 100M HIGH STEEL TV TOWER AT STOK LEH (LADAKH) (NOT TO SCALE)



Signature
JEL

Signature
10

Signature
(R. C. KATHORIA)
A.E. (C)
LEH

THIKSAY
VILLAGE