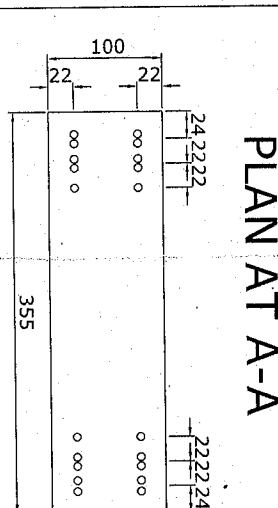
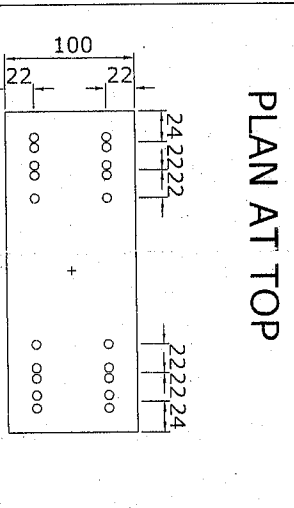
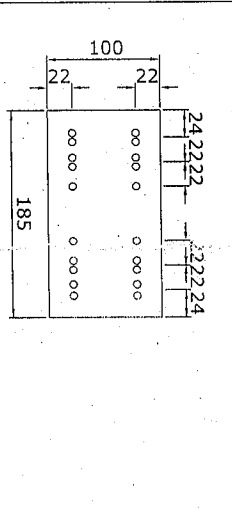
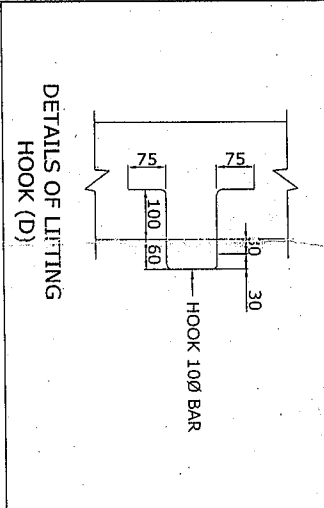
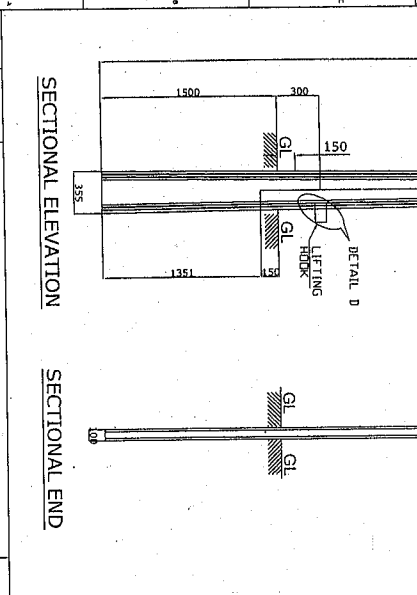
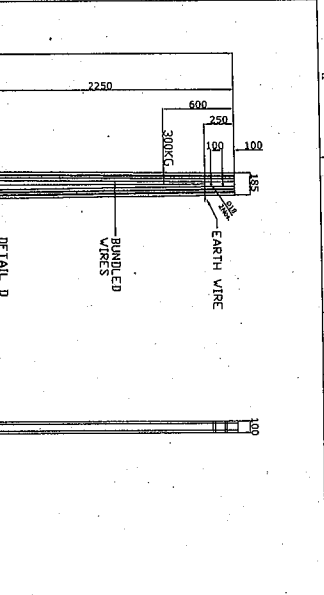


amt on 11/11/11 PGCIL



S.NO	DESCRIPTION	QUANTITY
1	No Of Tensioned (4mm Ø)	20 Nos.
2	Concrete Grade (as per IS:1343 Latest)	M-40
3	Factor Of Safety	2.5
4	Ultimate Tension Strength Of Prestressing wire	17500Kg/Cm ²
5	All Dimensions are in mm	

- NOTE:-**
- 1) WORKING LOAD-200KG ACTING AT 600MM BELOW THE TOP OF THE POLE.
 - 2) DEPTH OF PLANTING BELOW GL-1500MM.
 - 3) THE MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED 12MM.
 - 4) THE TOLERANCE SHALL BE(±) 15MM ON OVERALL LENGTH (±) 3MM ON CROSS SECTIONAL DIMENSION AND 0.5 PER CENT ON UPRIGHTNESS.
 - 5) THE EARTH WIRE SHALL NOT COME IN CONTACT WITH PRESTRESSING WIRE
 - 6) THE EARTH WIRE SHALL BE WELDED WITH LIFTING IN THE POLE.
 - 7) THE CONNECTIVITY OF EARTH WIRE WITH LIFTING HOOK SHALL BE ENSURED DURING ACCEPTANCE TEST.
 - 8) M-40 MIX DESIGN WITH CONTROL CONCRETE.
 - 9) THIS DRAWING SHALL READ IN CONJUNCTION OF TECHNICAL SPECIFICATION.

- POLE MARKING**
- a) MONTH AND YEAR OF MANUFACTURE
 - b) TRANSVERSE STRENGTH OF THE POLE IN KG
 - c) MAKERS SERIAL NO AND MARK
 - d) PLANTING DEPTH BY BLACK INK OF 50MM WIDTH ALL AROUND THE POLE
 - e) RGVV MARKING BY BLACK INK IN THE TRANSVERSE SIDE OF THE POLE AT 2.5MTR THE PLANTING DEPTH POINT MARK
 - f) 6 INCHES BROAD ENAMEL PAINTING RED COLOR AROUND THE POLE AT 3 METER BELOW FOR TOP OF THE POLE
- DENOTES TENSIONED WIRES
+ DENOTES EARTH WIRE (8 SWG)

SECTIONAL ELEVATION

SECTIONAL END

PLAN AT TOP

PLAN AT A-A

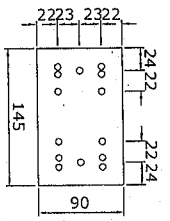
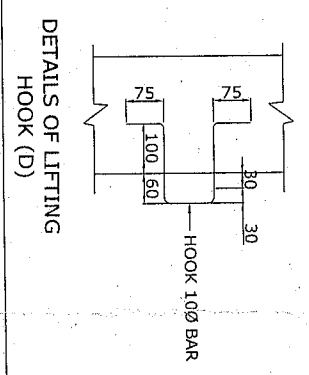
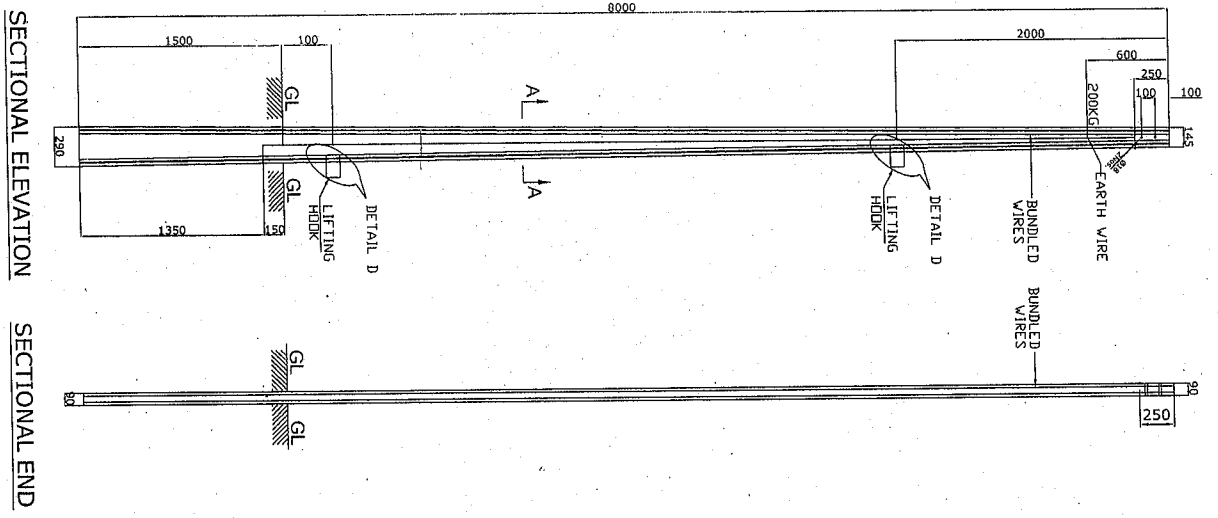
PLAN AT BOTTOM

REVISION	DATE	DESCRIPTION	BY	CHKD.	DATE	REMARKS

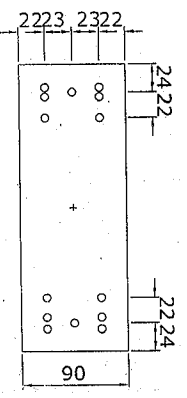
DRAWN	VH	AD				
CHKD.						
CHECKED BY						
DATE						

OWNER:	NORTH EASTERN ELECTRICITY SUPPLY COMPANY OF ODISHA LTD.					
CONSULTANT:	POWER GRID CORPORATION OF INDIA LIMITED, ENGINEERING DEPARTMENT					
CONTRACTOR:	GODREJ & BOYCE MFG. CO. LTD. VIKHROLI, MUMBAI					
PROJECT TITLE:	RURAL ELECTRIFICATION WORKS IN MAYURBHANJ DISTRICT OF ODISHA UNDER DDUGJY					
TITLE:	DETAILS OF 9 MTR 300KG WORKING LOAD PSC POLE					
DRG NO.:	RE - PGCIL-GEN-9 MTR POLE					
NOA NO.:	CC-CO/S/10-ER/2/REW-2883/3/G/6/NOA-15474					
DDO:	28-JUL-2013					
DRAWN	VH	AD				
CHKD.						
VERIFIED						
DATE						
SCALE						
SHEET						
REV						

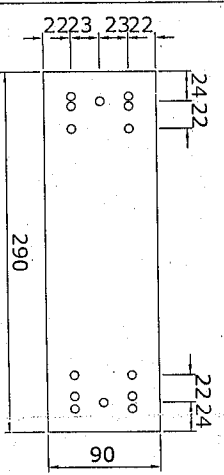
8mt PGCIL



PLAN AT TOP



PLAN AT A-A



PLAN AT BOTTOM

S.NO	DESCRIPTION	QUANTITY
1	No Of Tensioned (4mm Ø)	14 Nos.
2	Concrete Grade (as per IS:1343 Latest)	M-40
3	Factor Of Safety	2.5
4	Ultimate Tension Strength Of Prestressing wire	17500Kg/Cm ²
5	All Dimensions are in mm	

- NOTE:-
- 1) WORKING LOAD-200KG ACTING AT 600MM BELOW THE TOP OF THE POLE.
 - 2) DEPTH OF PLANTING BELOW G.L.-1500MM.
 - 3) THE MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED 12MM.
 - 4) THE TOLERANCE SHALL BE(±) 15MM ON OVERALL LENGTH (±) 3MM ON CROSS SECTIONAL DIMENSION AND 0.5 PER CENT ON UPRIGHTNESS.
 - 5) THE EARTH WIRE SHALL NOT COME IN CONTACT WITH PRESTRESSING WIRE
 - 6) THE EARTH WIRE SHALL BE WELDED WITH LIFTING IN THE POLE.
 - 7) THE CONNECTIVITY OF EARTH WIRE WITH LIFTING HOOK SHALL BE ENSURED DURING ACCEPTANCE TEST.
 - 8) EARTH WIRE SHALL BE TERMINATED ON M16 BOLT OF 120 MM. THE 50%
 - 9) M-40 MIX DESIGN WITH CONTROL CONCRETE.
 - 10) THIS DRAWING SHALL READ IN CONDUCTION OF TECHNICAL SPECIFICATION.

POLE MARKING

- a) MONTH AND YEAR OF MANUFACTURE
- b) TRANSVERSE STRENGTH OF THE POLE IN KG
- c) MAKERS SERIAL NO. AND MARK
- d) PLANTING DEPTH BY BLACK INK OF 50MM WIDTH ALL AROUND THE POLE
- e) REGUY MARKING BY BLACK INK IN THE TRANSVERSE SIDE OF THE POLE AT 2.5MTR THE PLANTING DEPTH POINT MARK
- f) 6 INCHES BROAD ENAMEL PAINTING RED COLOR AROUND THE POLE AT 3 METER BELOW FOR TOP OF THE POLE

- O DENOTES TENSIONED WIRES
- + DENOTES EARTH WIRE (8 SWG)

REV./NO.	DATE	DESCRIPTION	DRAWN	CHKD.	CHECKED BY	APPR.	DATE	REMARKS

OWNER: NORTH EASTERN ELECTRICITY SUPPLY COMPANY OF ODISHA LTD.

CONSULTANT: POWER GRID CORPORATION OF INDIA LIMITED. ENGINEERING DEPARTMENT

CONTRACTOR: GODREJ & BOYCE MFG. CO. LTD. VIKHROLI, MUMBAI

PROJECT: RURAL ELECTRIFICATION WORKS IN MAVURBHANJ DISTRICT OF ODISHA UNDER DDUGJY.

TITLE: DETAIL S OF 8 MTR 200KG WORKING LOAD PSC POLE

DRG NO.: RE - PGCIL-GEN-8 MTR POLE

NOA NO.: GC-CS/610-ER2/REV-2883/3/6/NOA-1/5414

DD: 28-JUL-2015

DRAWN: VH

CHKD.: AD

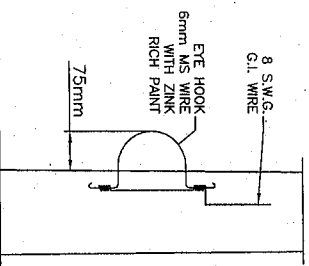
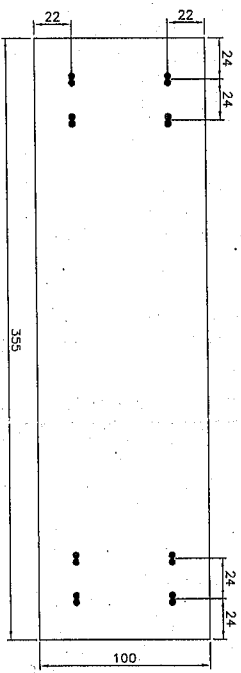
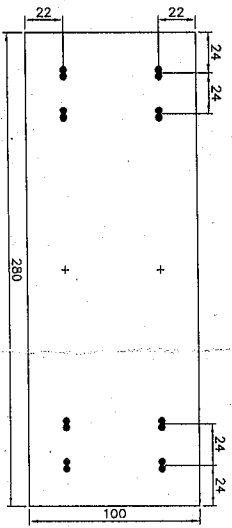
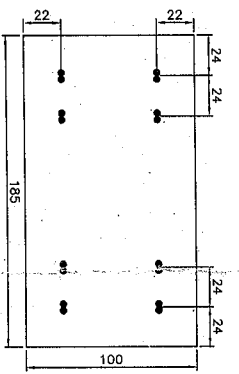
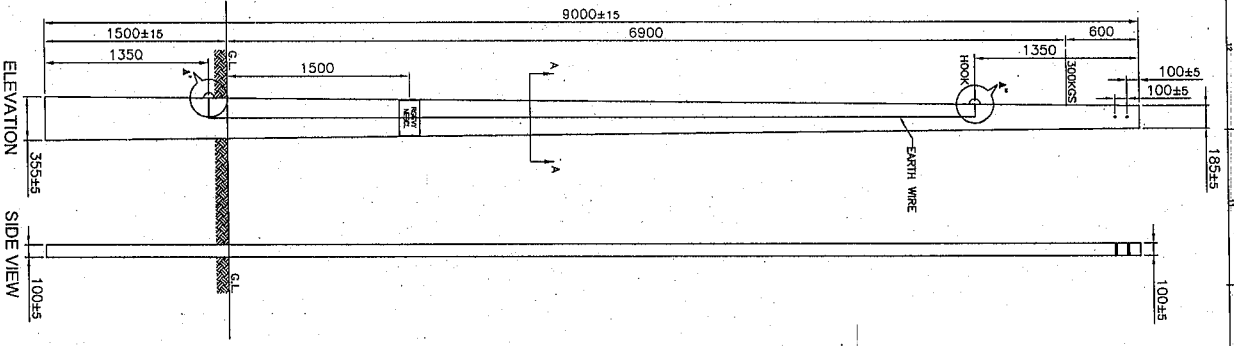
VERIFD.: VSP

DATE: 05.08.15

SCALE: 1 OF 1

SHEET NO.: 0

9.0MTR NTPC



FOR POSITION A', SAME ARRANGEMENT SHOWN IN A' SHALL BE PROVIDED AND EARTH WIRE SHALL BE TERMINATED ON EYE HOOK. (NO NEED TO TAKE EARTH WIRE TO TOP OF THE POLE.)

POSITION A'

LEGEND:
● DENOTES TENSIONED WIRES
+ DENOTES POSSIBLE POSITION OF EARTH WIRE

NOTES:
FACTOR OF SAFETY 2.0

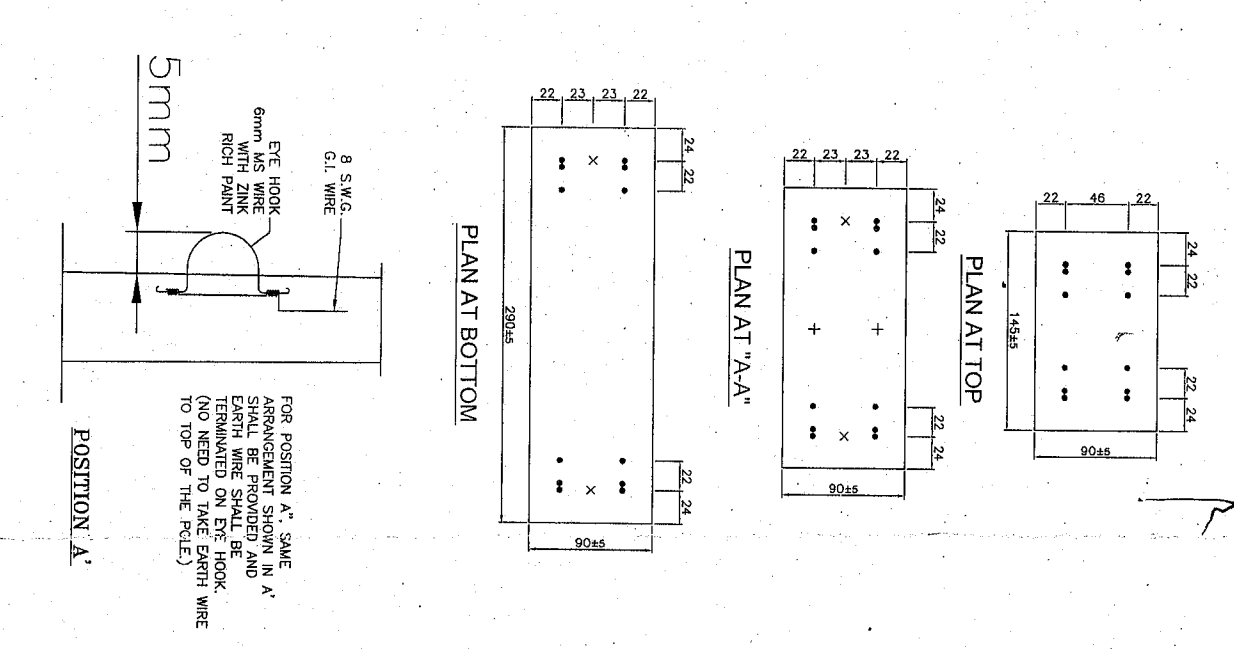
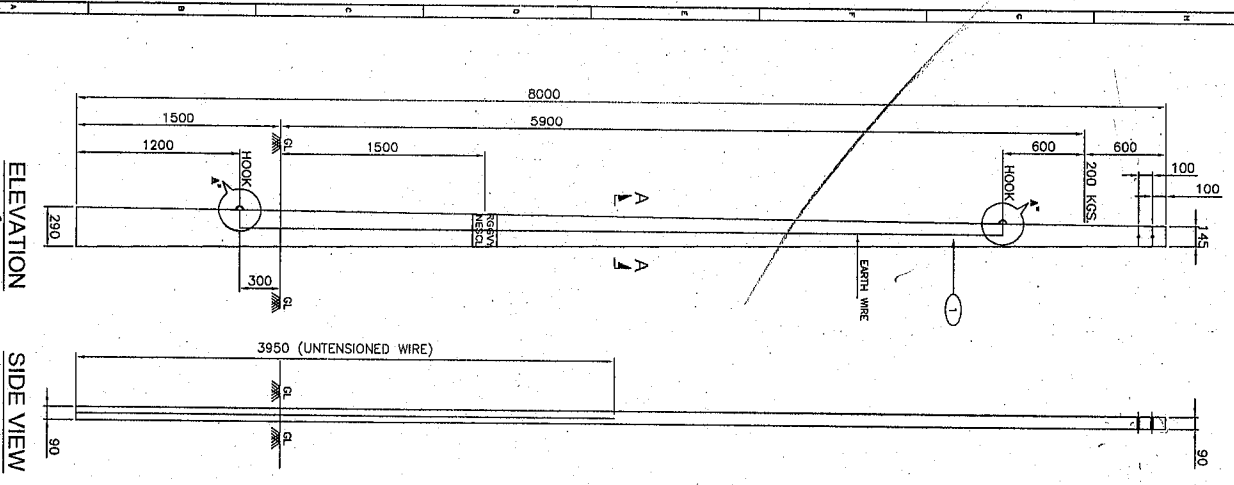
S. NO.	DESCRIPTION	QUANTITY
1	NO OF TENSIONED WIRES (4mm)	16 Nos.
2	CONCRETE GRADE	M-40
3	DIA OF PRESTRESSING WIRE	4MM
4	WORKING LOAD	300 Kgs
5	ULTIMATE TENSILE STRENGTH OF PRESTRESSING WIRE	17500KG/CM ²
6	Planting Depth	1500mm
7	Clear Cover	20mm
8	G.I. Earth wire 8 SWG	1No.

- NOTES:
- All dimensions are in mm unless otherwise mentioned.
 - The pole shall be embossed any where above 1.5mtr from bottom with RGGV NESCL letter size 63.5mm
 - Pole with any two edges rounded shall also be acceptable.
 - Tolerance for uprightness shall be 0.5%.

FOR TENDER PURPOSE ONLY

REV. NO.	DATE	FOR APPROVAL	DESIGN	CHKD.	CLEARED BY	APPD.	DATE
1							

		NTPC ELECTRIC SUPPLY COMPANY LTD. ENGINEERING DEPARTMENT RGGV-XII-PLAN	
PROJECT	GA OF 9.0MTR./300KG. PSC POLE	TITLE	
DATE	18/07/14	SCALE	NTPS
		SIZE	A3
			NESCL-ENGG-GEN-001B
REV. NO.	0	SH. NO.	1 OF 1



FOR POSITION "A", SAME ARRANGEMENT SHOWN IN "A" SHALL BE PROVIDED AND EARTH WIRE SHALL BE TERMINATED ON EYE HOOK (NO NEED TO TAKE EARTH WIRE TO TOP OF THE POLE.)

POSITION "A"

S. NO.	DESCRIPTION	QUANTITY
1	NO OF TENSIONED WIRES (4mm)	12 NOS.
2	NO. OF UNTENSIONED WIRES (4mm)	2 NOS.
3	CONCRETE GRADE	M-40
4	OVERALL LENGTH SUPPORT	8.0MTR
5	PLANTING DEPTH	1.5M
6	DIA OF PRE STRESSING WIRE	4MM
7	CLEAR COVER	20MM
8	FACTOR OF SAFETY	2.5
9	WORKING LOAD	200KGS
10	ULTIMATE TENSILE STRENGTH OF PRESTRESSING WIRE	17500KG/CM ²
11	G.I. EARTH WIRE 8 SWG	1 NO.

LEGEND:
 ● DENOTES TENSIONED WIRES
 + DENOTES POSSIBLE POSITION OF EARTH WIRE
 X DENOTES UNTENSIONED WIRES

NOTES:
 1) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
 2) THE POLE SHALL BE EMBOSSED ANY WHERE ABOVE 1.5 MTR FROM BOTTOM WITH RCGYV NESCL LETTER SIZE 63.5MM
 3) POLE WITH ANY TWO EDGES ROUNDED SHALL ALSO BE ACCEPTABLE
 4) TOLERANCE FOR UPRIGHTNESS SHALL BE 0.5%

FOR TENDER PURPOSE ONLY

NTPC
NTPC ELECTRIC SUPPLY COMPANY LTD.
 ENGINEERING DEPARTMENT
 RCGYV-XII-PLAN

GA OF 8.0MTR./200KG. PSC POLE
 (90MM WIDTH POLE)

PROJECT	DATE	SCALE	REV. NO.
NTPC	18/07/14	NTS SIZE A3	0
TITLE			SFT. NO.
GA OF 8.0MTR./200KG. PSC POLE (90MM WIDTH POLE)			1 OF 1
DESIGNED BY	APPROVED BY	DATE	

Bmt NTPC