



दूरभाष / Ph: 0121-2665734
फैक्स / Fax: 0121-2666062
CIN: U31200UP2003SGC027458

कार्यालय
Office of the
उपनिर्देशक
MANAGING DIRECTOR
उत्तर प्रदेश विद्युत नियामक आयोग
Paschimanchal Vidyut Vitran Nigam Ltd.
विक्टोरिया पार्क, मेरठ-250 001
CIN No. U31200UP2003SGC027458

No.: 16920/PVVNL-MT/IPDS/335/15-16.

Dated: 05.11.2016

Subject:- Regarding approval of 250 KVA & 400 KVA distribution transformer plinth drawing against tender No. PVVNL-MT/IPDS/335/15-16.

M/s Tata Projects Ltd.,
Ground Floor Tower-B Green Boulevard,
Plot No. B-9/A, Sector-62,
Noida-201307(UP)

Email: abhikpal@tataprojects.com

Dear Sir,

Please refer to your letter No. TPL/Noida/PVVNL/IPDS/17 dt. 03.11.16 regarding approval of the Drawing of the 250 & 400 KVA distributions transformer plinth. This approval is subject to the following conditions:-

Correction wherever required in Drawing submitted by the contractor has been done by red ink However, the correctness of Drawing as per technical specification of the SBD for IPDS/DDUGJY and the entire responsibility of the correctness of the Drawing as per the specification shall be that of the contractor.

In case of any contradiction between Drawing & Technical specification the version of the M.D. PVVNL, Meerut shall be final and binding on both the parties, Contractor shall have to reconstruct the plinth entirely with the new material to the satisfaction of purchaser.

One copy of approved drawing is enclosed herewith. This drawing shall be treated as approved for all tenders under DDUGJY and IPDS scheme.

Encl.: As above

Your's faithfully

(Anil Kumar)

Superintending Engineer (MM-2)

Dated: 05.11.2016

No.: 16920/PVVNL-MT/IPDS/335/15-16.

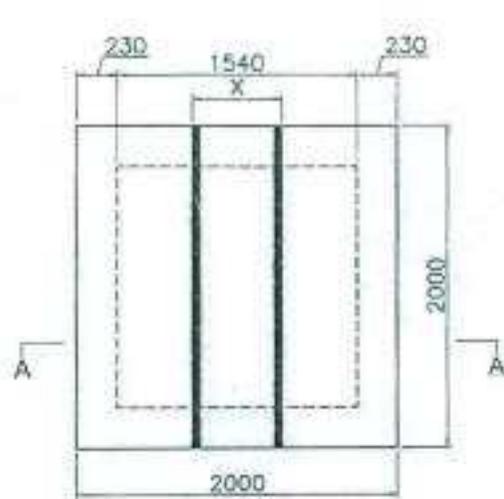
Copy forwarded to following for information and necessary action:

1. Chief Engineer, Saharanpur zone, Saharanpur.
2. SE (Equator), PVVNL, Meerut.
3. SE, (EDC & EUDC), Saharanpur/Shamli/Muzaffarnagar
4. Project Manager M/s. REC, PDCL, (PMA for IPDS/DDUGJY)

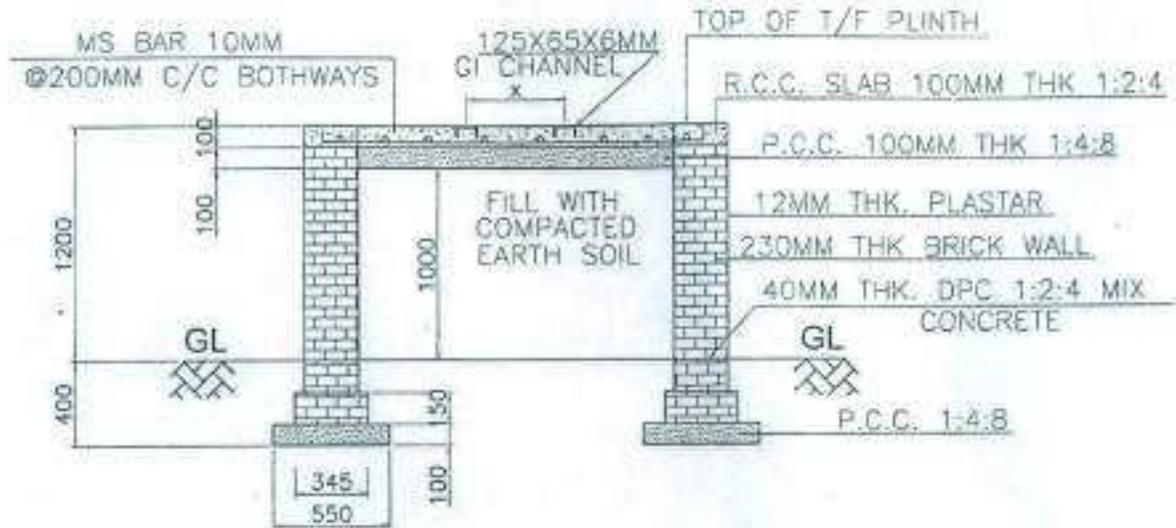
(Anil Kumar)

Superintending Engineer (MM-2)

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TOP PLAN
FOR GENERAL ARRANGEMENT OF
DISTRIBUTION TRANSFORMER



SECTION "A-A"

APPROVED

[Signature]
Chief Engineer
(Material Management)
P.V.V.N.L. MEERUT

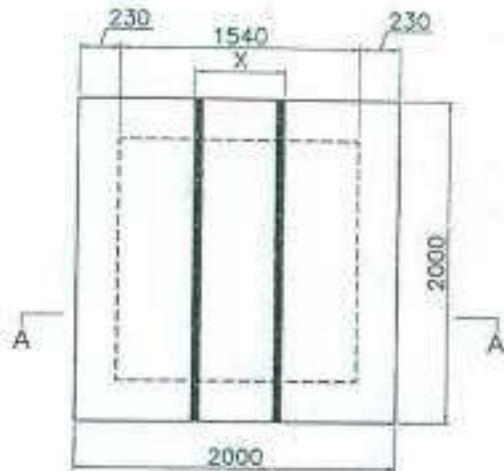
- NOTE:-
1. ALL THE DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED.
 3. X-SUIT AT SITE TO AS PER TRANSFORMER
 4. 12 MM THICK PLASTER WITH CEMENT MORTAR RATIO 1:4
 5. CLASS BRICK WORK FOR SIDE WALL SIZE 230MM WIDE WITH CC RATIO 1:4 (CEMENT & FINE SAND)

Checked & Recommended
[Signature]
P.V.V.N.L. MEERUT

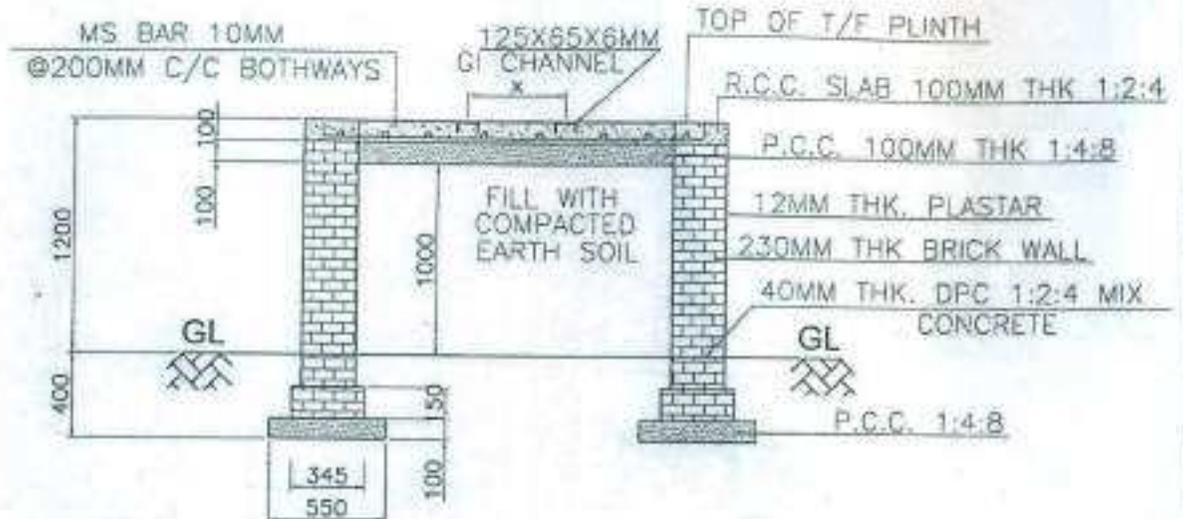


Sl. No.	Rev.	Description	Date	Drawn By	Appr.
LOA No.		648/PVNL-MT/2018/156/15-18 DT. 21.05.2018 848/PVNL-MT/2018/164/15-18 DT. 20.06.2018			
OWNER		PASCHIMANCHAL VIDYUT VITARAN NIGAM LIMITED (PVVNL)			
CONTRACTOR		TATA PROJECTS LIMITED <small>GROUND FLOOR, TORNA & SHRI SARDAR PLOT NO. 8 SAHIB TONGA ROAD, BILWA, U.P.</small>			
PROJECT		UNDER IPDS SCHEME WORK FOR MORADABAD & SABARANPUR (ZONE)			
DESCRIPTION		FOUNDATION DETAIL OF 11kV/400/250 KVA DISTRIBUTION TRANSFORMER WITH PIP DRAGING (TYPICAL)			
DESIGN BY.	J.S. RAWAT	DATE	28/10/2018	DRAWING No.	
CHECKED BY.	VIJAY B. KR.	SCALE	RTS	PL-402-11-07-6A-01	
APPROVED BY.	K.K. Patel	DRGT. NO.	1 OF 1	REV.	0

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TOP PLAN
FOR GENERAL ARRANGEMENT OF
DISTRIBUTION TRANSFORMER



SECTION "A-A"

APPROVED

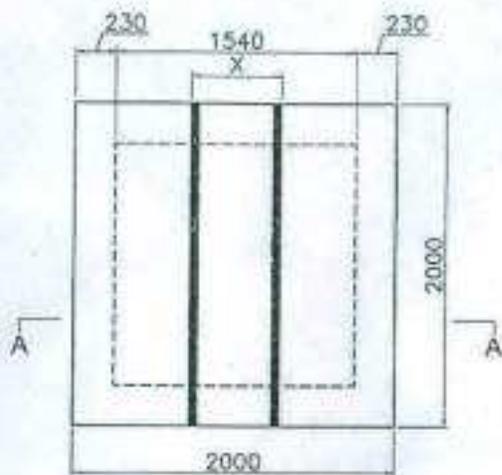
Chief Engineer
(Material Management)
P.V.V.N.L., MEERUT

- NOTE:-
1. ALL THE DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED.
 3. X-SUIT AT SITE TO AS PER TRANSFORMER
 4. 12 MM THICK PLASTER WITH CEMENT MORTAR RATIO 1:4
 5. 1st CLASS BRICK WORK FOR SIDE WALL SIZE 230MM WIDE WITH CC RATIO 1:4 (CEMENT & FINE SAND)

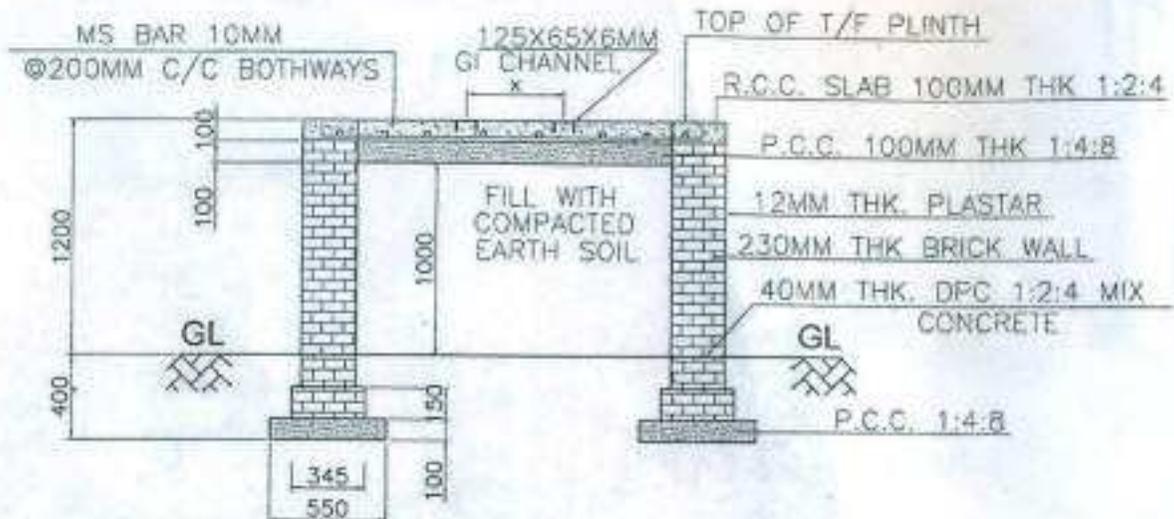


Sl. No.	Description	Q	Unit	Rate
LOA No.	6440/PVNL-NY/SPS/306/19-18 DT.20.06.2018 6440/PVNL-NY/SPS/340/19-18 DT.20.06.2018			
OWNER	PASCHIMANCHAL VIDYUT VITARAN NIGAM LIMITED (PVVNL)			
CONTRACTOR	TATA PROJECTS LIMITED <small>GROUND FLOOR, TOWER 8, GREEN PARK, NEW DELHI 110016</small>			
PROJECT	UNDER MDS SCHEME WORK FOR MORADABAD & SAHARANPUR (ZONE)			
DESCRIPTION	FOUNDATION DETAIL OF 119.433 KV (660250 KVA) DISTRIBUTION TRANSFORMER WITH DRP FENCING (TYPICAL)			
DESIGN BY	J.S.RAWAT	DATE	28/10/2018	DRAWING No.
CHECKED BY	VIJAY R. KR.	SCALE	M/S	TR-SPS-11-07-0A-01
APPROVED BY	P. K. Puri	REVISION NO.	1 OF 1	REV. 0

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**TOP PLAN
FOR GENERAL ARRANGEMENT OF
DISTRIBUTION TRANSFORMER**



SECTION "A-A"

APPROVED

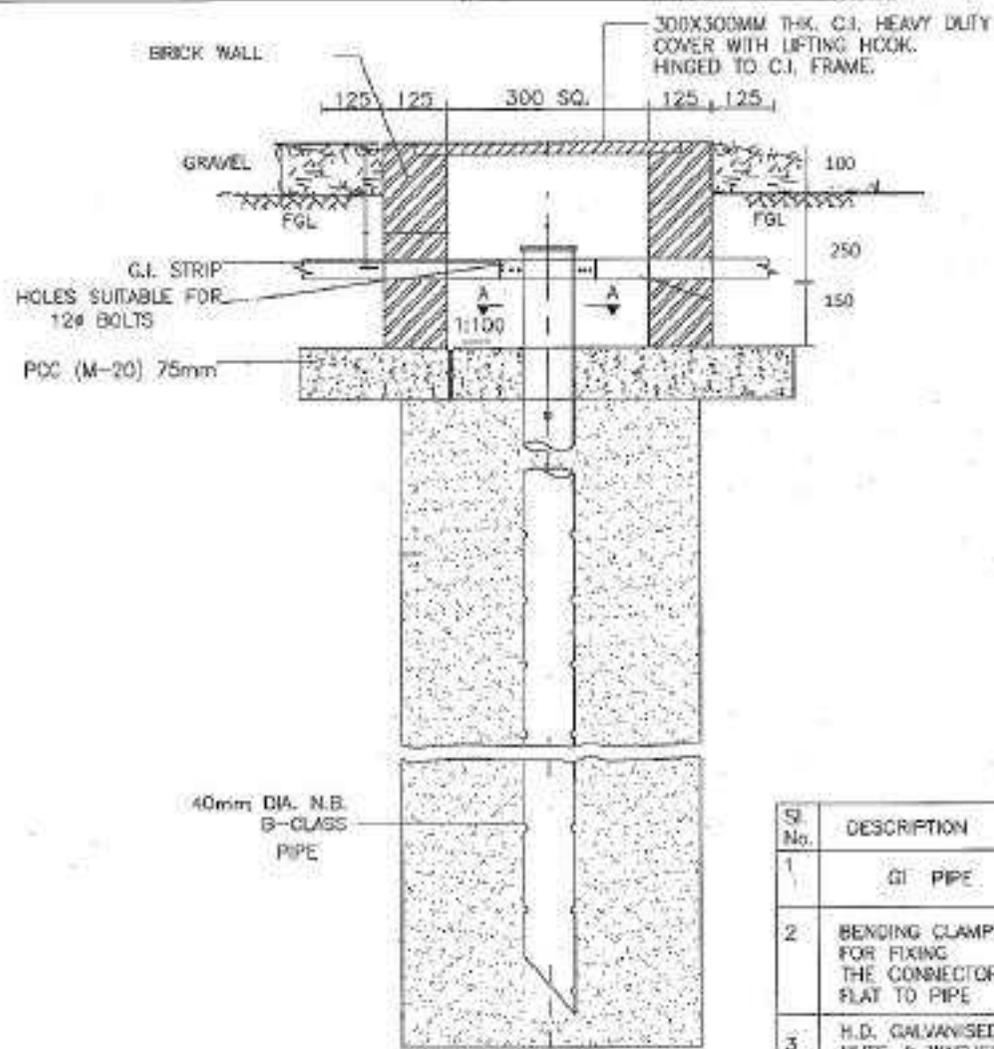
A
**Chief Engineer
(Material Management)
P.V.V.N.L. MERRUT**

- NOTE:-
1. ALL THE DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED.
 3. X-SUIT AT SITE TO AS PER TRANSFORMER
 4. 12 MM THICK PLASTER WITH CEMENT MORTAR RATIO 1:4
 5. 1st CLASS BRICK WORK FOR SIDE WALL SIZE 230MM WIDE WITH CC RATIO 1:4 (CEMENT & FINE SAND)

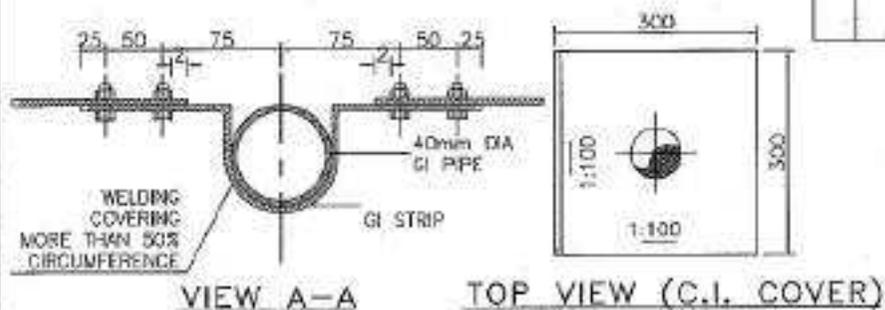


Sl. No.	Date	Description	By	Checked By	Appr.
LOG No.	6400/TPPDL-MT/UPDR/235/15-18 DT.20.06.2016 6400/TPPDL-MT/UPDR/345/15-18 DT. 20.06.2016				
OWNER	PASHCHIMANCHAL VIDYUT VITARAN NIGAM LIMITED (P.V.V.N.L.)				
CONTRACTOR	TATA PROJECTS LIMITED <small>GROUND FLOOR, TOWER 2, UPPER BUILDING, PLOT NO. 8, SARAJIT, MERRUT, MUMBAI.</small>				
PROJECT	UNDER IPDS SCHEME WORK FOR MORADABAD & SARARANPUR (ZONE)				
DESCRIPTION	FOUNDATION DETAIL OF 110-0.07 KV (600/225 KVA) DISTRIBUTION TRANSFORMER WITH F&P FENCING (TYPICAL)				
DESIGN BY	ISRAWAT	DATE	20/10/2016	DRAWING No.	
CHECKED BY	VEDAY S. KR.	SCALE	1:15	PL-PDR-11-07-01-01	
APPROVED BY	R. R. Paul	SHEET NO.	1 OF 1	REV.	0

1/6
Superintendent



Sr. No.	DESCRIPTION	MATERIAL	QTY.
1	GI PIPE	40 N.B. CLASS-B	1 NO.
2	BENDING CLAMP FOR FIXING THE CONNECTOR FLAT TO PIPE	75MMX10MMX150MM LONG G.I. FLAT	1 NO.
3	H.D. GALVANISED BOLTS, NUTS & WASHERS	12#X35 LONG BOLT NUT AND WASHER ALL GALVANISED	8 NO.S
4	C.I. COVER	300X300X8MM THK. C.I. HEAVY DUTY COVER WITH LIFTING HOOK. HINGED TO C.I. FRAME	1 NO.



NOTE:-				
All dimensions are in mm.				
Project:- IPDS/DDUGJY PVVNL, Meerut				
TITLE:- Earth Pit Cover for Water Level Earthing				
DATE	DWG	DESIGN	SCALE	NO.
10/11	10/11	10/11	1:1	0



दूरभाष / Ph: 0121-2665734
फैक्स / Fax: 0121-2666062
CIN: U31200UP2003SGC027458

No.: 3617/ PVVNL-MT/DDUGJY/370/15-16

Dated: 23.05.2017

Subject:- Approval of GTP/Drawing of Material/Equipment for Work of capacity augmentation of 9 no. 33 KV Substations along with construction of 33 KV and 11 KV Line at different places in Electricity Distribution Zone Meerut on partial turnkey basis under Deen Dayal Updhyay Gram Jvoti Yojna (DDUGJY) against tender No. PVVNL-MT/DDUGJY/370/15-16.

M/s Om Veer Singh,
Kayasthbara, Sikandrabad,
Bulandshahr.

Email ID – msomveersingh@gmail.com

Dear Sir,

Please refer to your letter No. Nil dated 18.05.17 regarding approval of the Drawing as detailed below:-

Sl. No.	Material/equipment	Approved Vendor
1.	Fire Protection wall	M/s Omveer Singh, Bulandshahr

This approval is subject to the following conditions:-

1. The said approval is with the condition the material supplied by the above firms may be sent for testing by independent lab on firm's cost by Managing Director, PVVNL, Meerut.
2. M/s Omveer Singh, Bulandshahr is not blacklisted/Debarred by any Discom/Govt. Organization.

Correction wherever required in Drawing submitted by the contractor has been done by red ink However, these Drawing shall be subjected to correctness as per technical specification of the SBD for IPDS/DDUGJY and tender document and the entire responsibility of the correctness of the Drawing as per the specification as well as contract agreement and these Drawing shall be that of the contractor.

In case of any contradiction between Drawing & Technical specification the version of the M.D. PVVNL, Meerut shall be final and binding on both the parties. Contractor shall have to rework to the entire satisfaction of purchaser in case the construction is not found suitable for use in the projects.

One copy of approved Drawings are enclosed herewith. This drawing shall be treated as approved for all tenders under DDUGJY and IPDS scheme.

Encl: As above

Your's faithfully

(S. K. Singh)
Superintending Engineer (IPDS & DDUGJY)

Dated: 23.05.2017

No.: 3617/PVVNL-MT/DDUGJY/370/15-16

Copy forwarded to following for information and necessary action:

1. Chief Engineer, Meerut zone, Meerut.
2. SE (Equator), PVVNL, Meerut.
3. SE, EDC/EUDC Meerut & Baghpat.
4. Project Manager M/s. REC, PDCL, (PMA for IPDS/DDUGJY)

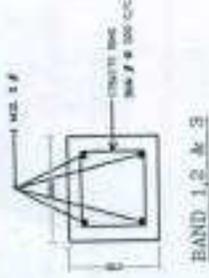
(S. K. Singh)
Superintending Engineer (IPDS & DDUGJY)

GTP Approved in IPDS/DDUGJY

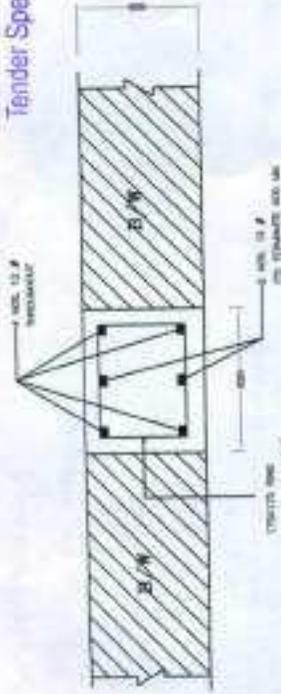
Tender Spec. No. **NVNL-MT/DDUGJY/370/15-16**

SPECIFICATION:-

1. ALL DIM. ARE IN MM
2. SL TO GROUND LEVEL
3. ALL LEAN CONCRETE SHALL BE OF M30 (1:1:4)
4. ALL RCC USED SHALL BE OF GRADE M30



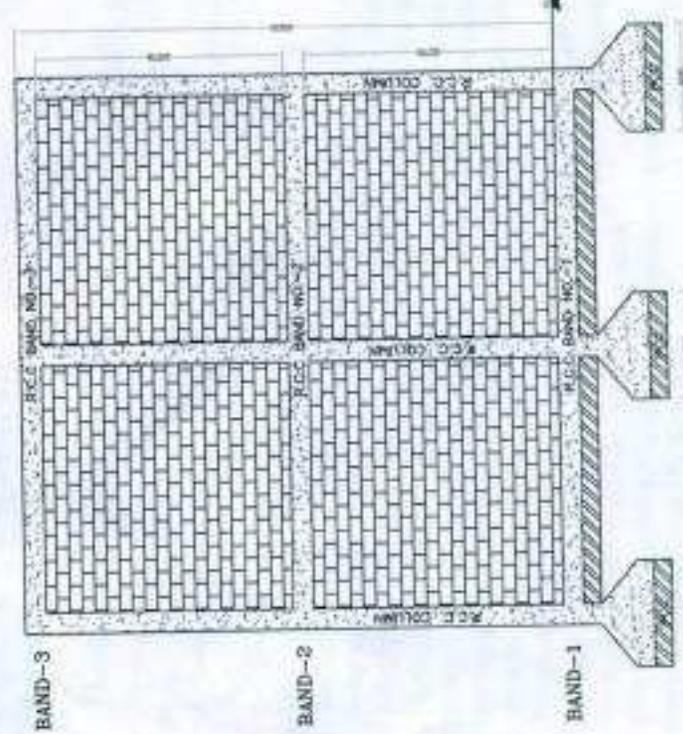
DETAILS OF COLUMN



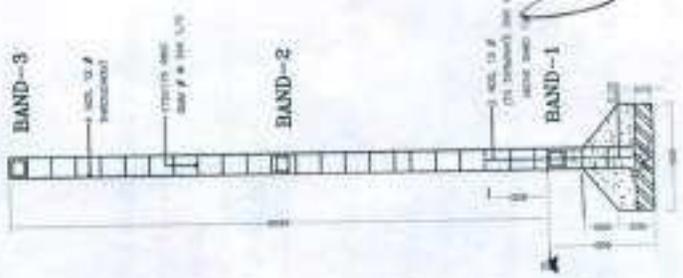
DETAILS OF WALL



PLAN OF WALL/COLUMN



SECTIONAL ELEVATION



SECTION OF COLUMN

TITLE:- FIRE PROTECTION WALL

CLIENT:- PASHCHIMANCHAL VIDYUT VITRAN NIGAM LTD. UREA BHAWAN, VICTORIA PARK, MEERUT.

PROJECT:- DDUGJY & NOS. CAPACITY AUGMENTATION OF 33/11KV SUBSTATION

CONTRACTOR:- M/S OMVEER SINGH

TENDER NO.:- 10893/PVNL-MT/DDUGJY/370/15-16

APPROVED

Chief Engineer (IPDS/DDUGJY)

P.V.N.L., MEERUT

"Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is to be checked during inspection."

DATE REC.

AA

RELEASED FOR [] APPROVAL [] CONSTRUCTION

PMA IPDS/DDUGJY
Asst. Engr
RECPDCL



दूरभाष / Ph.: 0121-2665734
फैक्स / Fax: 0121-2666062
CIN: U31200UP2003SGC027458

कार्यालय :
Office of the :
प्रबन्ध निदेशक
MANAGING DIRECTOR
पश्चिमांचल विद्युत वितरण निगम लि.
Paschimanchal Vidyut Vitran Nigam Ltd.
विक्टोरिया पार्क, मेरठ
Victoria Park, MEERUT-250 001
CIN No. U31200UP2003SGC027458

No.: 18707/ PVVNL-MT/ IPDS/335/15-16

Dated: 2.12.2016

Subject:- Approval of GTP/Drawing of Material/Equipment for Work of Construction of 33 KV Line, 11 KV Line, LT Line, Installation of New 11/0.4 KV Transformers, Augmentation of 11/0.4 KV Transformers & other works at different places of Electricity Distribution Zone Saharanpur on partial-turnkey basis under Integrated Power Development Scheme (IPDS) Against Tender specification no. PVVNL-MT/IPDS/335/15-16.

M/s Tata Projects Limited,
Ground Floor Tower-B Green Boulevard,
Plot No. B-9/A, Sector-62,
Noida-201307 UP.

Email ID - abhikpal@tataprojects.com

Dear Sir,

Please refer to your letter No. TPL/NOIDA/PVVNL/IPDS/16 dated 03.11.2016 regarding approval of the General Construction GA drawings as detailed below:-

Sl. No.	Material/equipment	Approved Vendor
1.	General Construction GA drawings	M/s Tata projects Limited, Noida

Correction wherever required in Drawing submitted by the contractor has been done by red ink However, these Drawings shall be subjected to the correctness as per technical specification of the SBD for IPDS and tender document and the entire responsibility of the correctness of the Drawings as per the specification as well as according to the contract agreement and these Drawings shall be that of the contractor.

In case of any contradiction between Drawing & Technical specification the version of the M.D. PVVNL, Meerut shall be final and binding on both the parties. Contractor shall have to work to the entire satisfaction of purchaser in case the work is not found suitable in the projects.

One copy of approved Drawings are enclosed herewith. These Drawings shall be treated as approved for all tenders under IPDS scheme.

Encl.: As above

Your's faithfully

(G.K Gupta)
Chief Engineer (MM)

Dated: 2.12.2016

No.: 18707/ PVVNL-MT/ IPDS/335/15-16

Copy forwarded to following for information and necessary action:

1. Chief Engineer, Saharanpur Zone, Saharanpur.
2. SE (Equator), PVVNL, Meerut.
3. SE (EDC/EUDC), Saharanpur/Muzaffarnagar/Shamli.
4. Project Manager M/s. REC, PDCL, (PMA for IPDS/DDUGJY)

((G.K Gupta)
Chief Engineer (MM)

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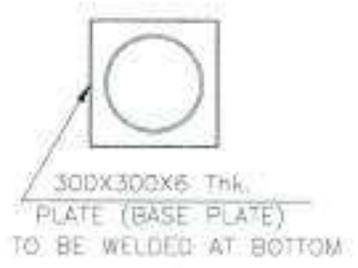
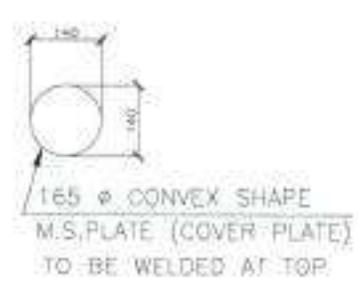
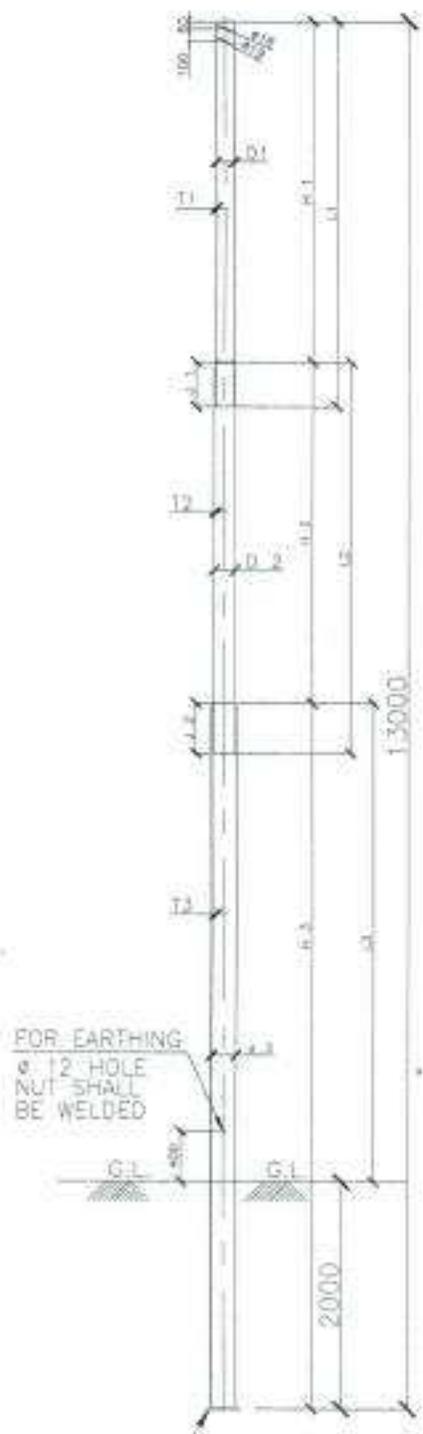


TABLE -1
 HEIGHT OF SECTIONS
 (In mm)

H1	H2	H3
3600	3600	3800

TABLE -2
 Diameter of Sections
 (In mm)

D1	D2	D3
165.1	163.7	219.1

TABLE -3
 Thickness of Sections
 (In mm)

T1	T2	T3
4.5	4.85	5.80

TABLE -4
 Length of Joints
 (In mm)

J1	J2
400	450

TABLE -5
 LENGTH OF SECTIONS
 (In mm)

L1	L2	L3
4000	4450	3250

- NOTES:-
1. ALL DIMENSION ARE IN MM OTHERWISE SPECIFIED
 2. THE POLES SHALL BE COATED WITH BITUMINIOUS PAINTS INTENSELY AND EXTERNALLY UPTO THE LEVEL WHICH GOES INSIDE THE EARTH AND REMAINING PORTION OF EXTERIOR SHALL BE PAINTS WITH ONE COAT OF RED OXIDE PRIMER
 3. APPLIED LOAD FROM TOP = 0.6 M
 4. PLANTING DEPTH = 2.0 M
 5. TOTAL WEIGHT OF POLE = 343 KG
 6. THIS DRAWING IS BASED ON IS: SP-72 (Part II) IS: 2713:1980(PART II)

APPROVED

Chief Engineer
 (Material Management)
 P.V.V.N.L. MEERUT

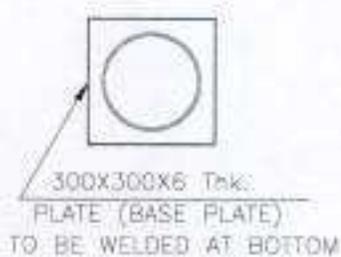
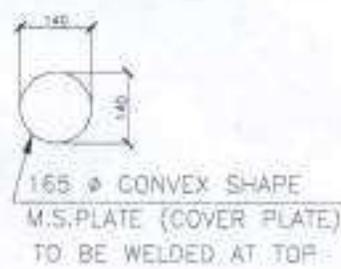
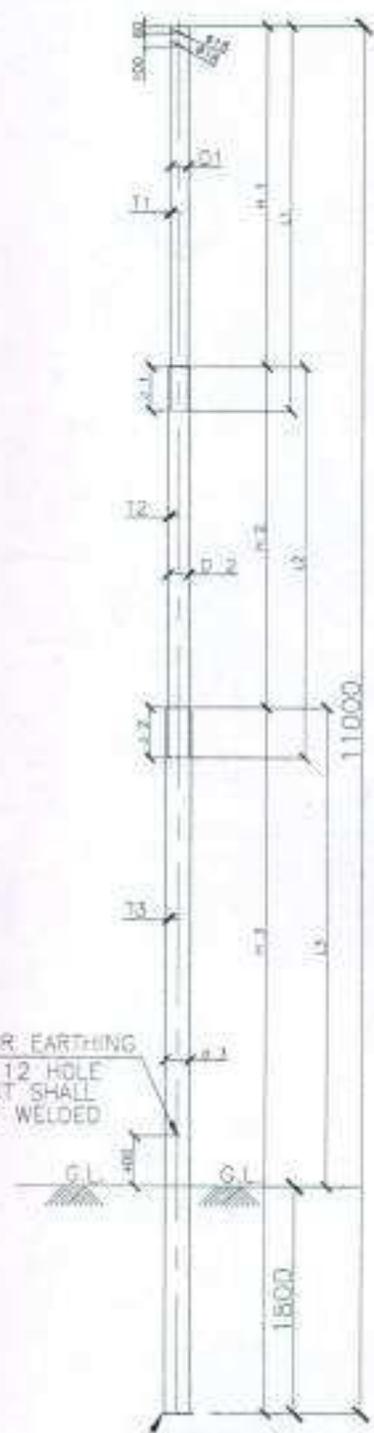
Notwithstanding the aforesaid approval

TO THE ENTIRE RESPONSIBILITY OF CORRECTNESS AND SUPPLY OF MATERIAL ACCORDING TO THE SPECIFICATION TYPE TEST REPORT & GTP	
OWNER:	DATA PROJECTS LIMITED (PVVNL)
CONTRACTOR:	LATA PROJECTS LIMITED
PROJECT:	IPDS - Saharanpur Project
DESCRIPTION:	33KV, 11KV & 17 LINE 11 M STEEL TUBULAR POLE
SCALE:	1:1
SHEET NO. 1 OF 1	DRAWING No. TPL-PVVNL-STP-12-01

PMA IPDS/DDUGJY
 Actual
 RECPDCL

Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY
0	02/06/2015	Release for Approval	SANDEEP KIL	SANDEEP KR.	R. B. Paul

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HEIGHT OF SECTIONS (In mm)		
H1	H2	H3
2700	2700	5600

Diameter of Sections (In mm)		
D1	D2	D3
139.7	165.1	193.7

Thickness of Sections (In mm)		
T1	T2	T3
4.5	4.5	4.85

Length of Joints (In mm)	
J1	J2
350	400

LENGTH OF SECTIONS (In mm)		
L1	L2	L3
3000	3450	5000

NOTES:-

1. ALL DIMENSION ARE IN MM OTHERWISE SPECIFIED
2. THE POLES SHALL BE COATED WITH BITUMINOUS PAINTS INTENSELY AND EXTERNALLY UPTO THE LEVEL WHICH GOES INSIDE THE EARTH AND REMAINING PORTION OF EXTERIOR SHALL BE PAINTS WITH ONE COAT OF RED OXIDE PRIMER
3. APPLIED LOAD FROM TOP = 0.6 M
4. PLANTING DEPTH = 1.8 M
5. TOTAL WEIGHT OF POLE = 227 KG
6. THIS DRAWING IS BASED ON IS: SP-55 (410 MPa)
IS: 2713:1980(PART II)

APPROVED

**Chief Engineer
(Material Management)
P.V.V.N.L., MEERUT**

*Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the specification + type test report / GTP

LOA No.	6032/2015
OWNER-	M. P. S. DIVISIONAL V. R. N. DIVISIONAL OFFICE, P.V.V.N.L.
CONTRACTOR	TATA PROJECTS LIMITED 131 FLOOR, TOWER 1, OKAYA CENTRE, B-5, SECTOR 42, NOIDA-201301, U.P.
PROJECT	IPDS - Sahasganj Project
DESCRIPTION	3KV, 11KV & 17.5KV II M STEEL TUBULAR POLE

300x300x6
250x250x6 Thk.
PLATE (BASE PLATE)
TO BE WELDED AT BOTTOM
PMA IPDS/DDUGJY
Ashish
RECPDCL

Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY
0	02/08/2015	Release for Approval	SANDEEP KR.	SANDEEP KR.	H. B. Paul



NOTE:-

1. All Dimensions are in mm. Unless otherwise Specified.
2. Drawing As Per IS 2551
3. The thickness of SMC (sheet moulding compound) plate for danger board shall be of 2 mm (14SWG)
4. Hole Dia for shall be 12 mm for 10 mm Bolts
5. The corners of the plate should be rounded off
6. The letter figures and the conventional skull and bones of plate shall be in a signal red on the front of the board

APPROVED

PMA IPDS/DDUGJY

Actual
RECPDCL

Chief Engineer
(Material Management)

P.V.V.N.L. MEERUT

Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked by the authority.

Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY	ISIA No.	DATE
0		Revised Approval	SANDEEP K.S.	SANDEEP K.S.	S. K. Paul	64827VNL-ATGPR/335/16/DT/30/06/2016	
1							

CONTRACTOR	ISIA No.
TATA PROJECTS LIMITED	64827VNL-ATGPR/335/16/DT/30/06/2016
PROJECT	
IPDS - Suburban Project	
REQUISITION	
11 KV DANGER BOARD	
16 FLOOR TOWER-1, DAVTA CENTRE, 3rd FLOOR, KODOL-330014 IN	

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- NOTE:-**
- All Dimensions are in mm. Unless otherwise Specified.
 - Drawing As Per IS 2551.
 - The thickness of SMC (sheet moulding compound) plate for danger board shall be of 2 mm (14SWG)
 - Hole Dia for shall be 12 mm for 10 mm Bolts
 - The corners of the plate should be rounded off
 - The letter figures and the conventional skull and bones of plate shall be in a signal red on the font of the board

APPROVED

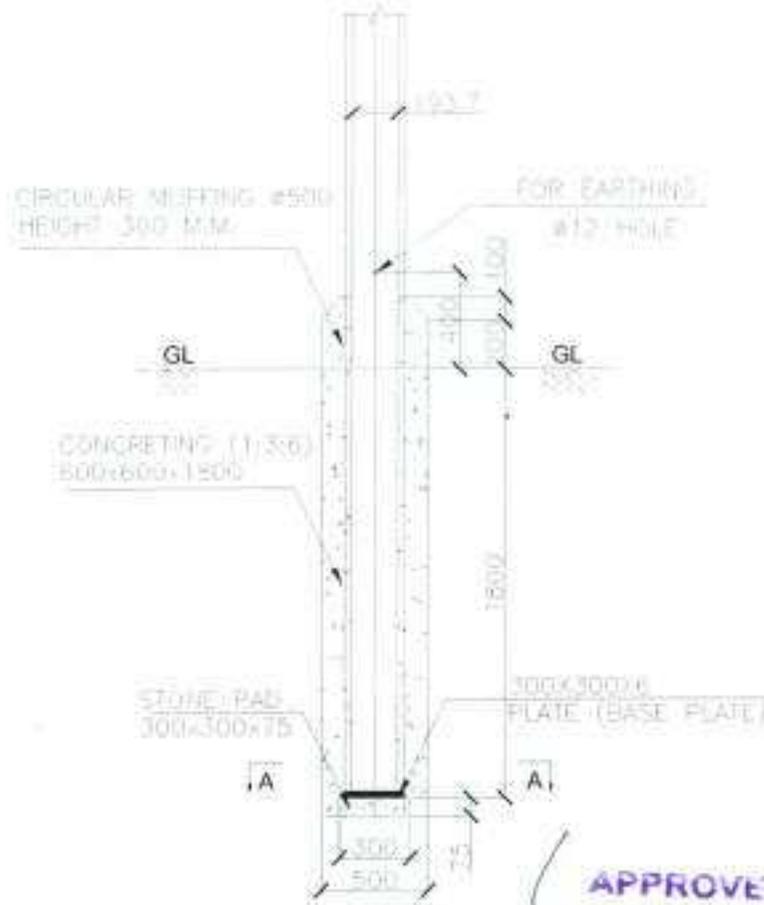
**Chief Engineer
 (Material Management)
 P.V.V.N.L. MEERUT**

"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection."

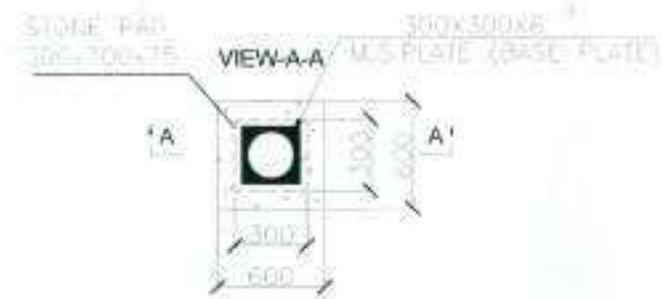
PMA IPDS/DDUGJY
Alish
 RECPDCL

LOA No.	660/PVVNL-MT/IPDS/332/15-16 DT. 20.06.2015								
OWNER:-	PASHCHIMCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)								
CONTRACTOR	 TATA PROJECTS LIMITED <small>1st FLOOR, TOWER-1 OKAYA CENTRE, B-2, SECTOR-63, NOIDA-201301, U.P.</small>								
PROJECT.	IPDS - Saharanpur Project								
DESCRIPTION	11 KV DANGER BOARD								
Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY	SCALE	NTS	SHEET NO. 1 OF 1	DRAWING No. TPL-PVVNL-ACC-02

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S.NO.	DESCRIPTION	Vol. in M ³
1	Excavation	0.469
2	Concreting (1:3:6)	0.440



- NOTE:-
1. All Dimensions are in mm. Unless otherwise Specified
 2. Pole Drawing As Per IS 2713 - 1980 (Part II), SP-55(470Mpa)

APPROVED

Chief Engineer
 (Material Management)
 P.V.V.N.L., MEERUT

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type / Test report / GTP shall be that of the contractor, which is to be certified by SANDHEP/KR. SANDHEP/PR/... K.R. Patel

PMA IPDS/DDUGJY

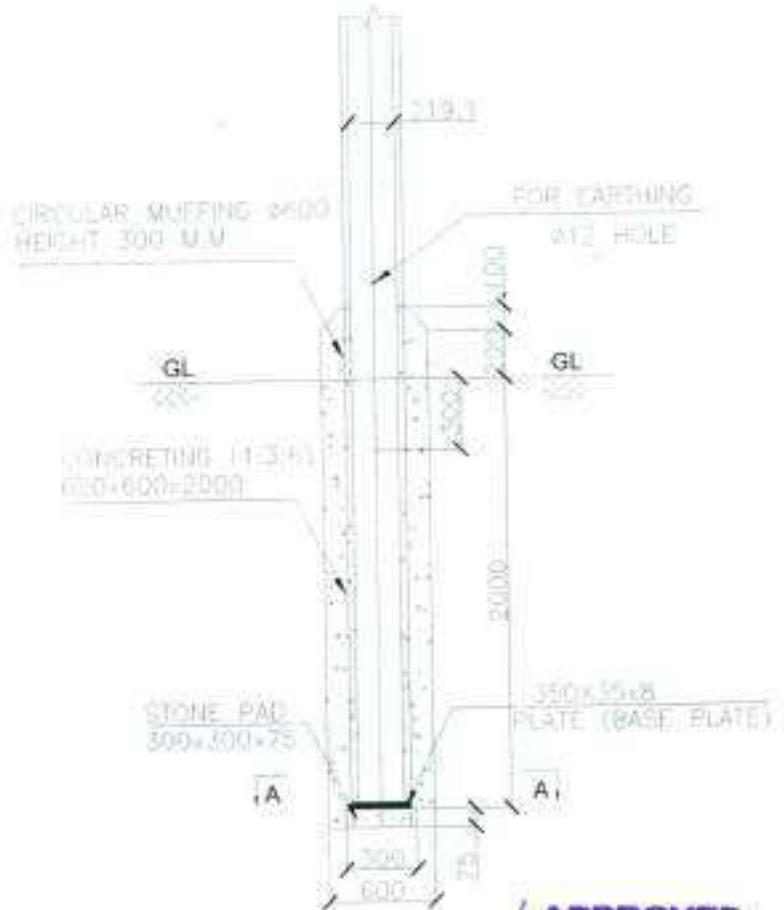
Ashish
 RECPDCL

1		
0	02/08/2015	Release by Approval
Rev	Date	Description

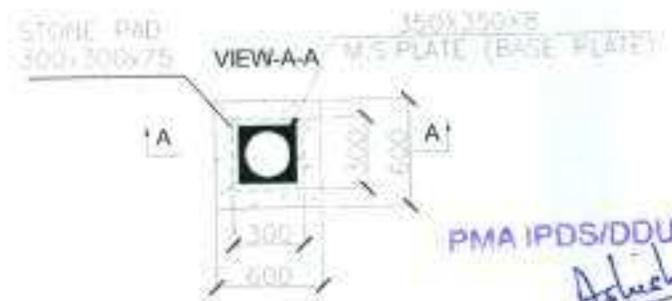
IGA No.	04PVPVNL-MT/300/13/15-16 DT. 2006/2016
OWNER-	PANCHJANYAN VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 14 FLOOR TOWER-1 OKAYA CENTRE, B-5 SECTOR-42 NOIDA-201301 UP
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	11KV, 11KV & LT LINE FOUNDATION DETAIL FOR 1143 STEEL TUBULAR POLE
SCALE	1/10
SHEET NO.	1 OF 1
DRAWING NO.	PL-IPDS-MT-335-17-11a-01

GTP Approved in IPDS/DDUGJY
 Tender Spec. No. PVNL-MT/IPDS/33/15-16

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S.NO.	DESCRIPTION	Vol. in m^3
1.	Excavation	0.147
2.	Concreting (1:3:6)	0.680



PMA IPDS/DDUGJY
Ashish
 RECPDCL

NOTE:-
 1. All Dimensions are in mm, unless otherwise specified.
 2. Pole Drawing As Per IS-2713 - 1980 (Part 1), Sp-72 (540Mpa)

APPROVED

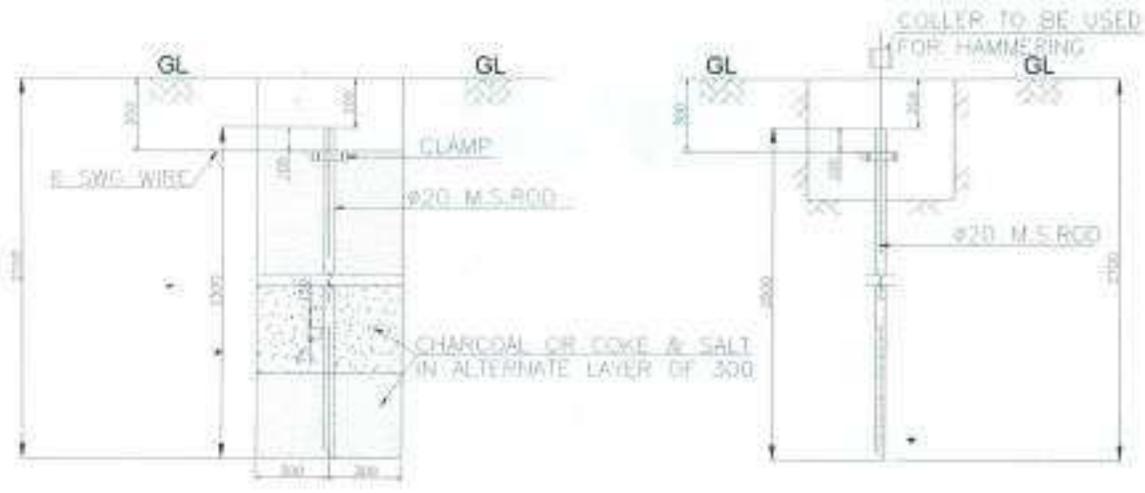
Chief Engineer
 (Material Management)
 P.V.V.N.L., MEERUT

Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall rest with the contractor which is to be taken care of in the contract.

1		
0	02/05/2017	Release for Approval

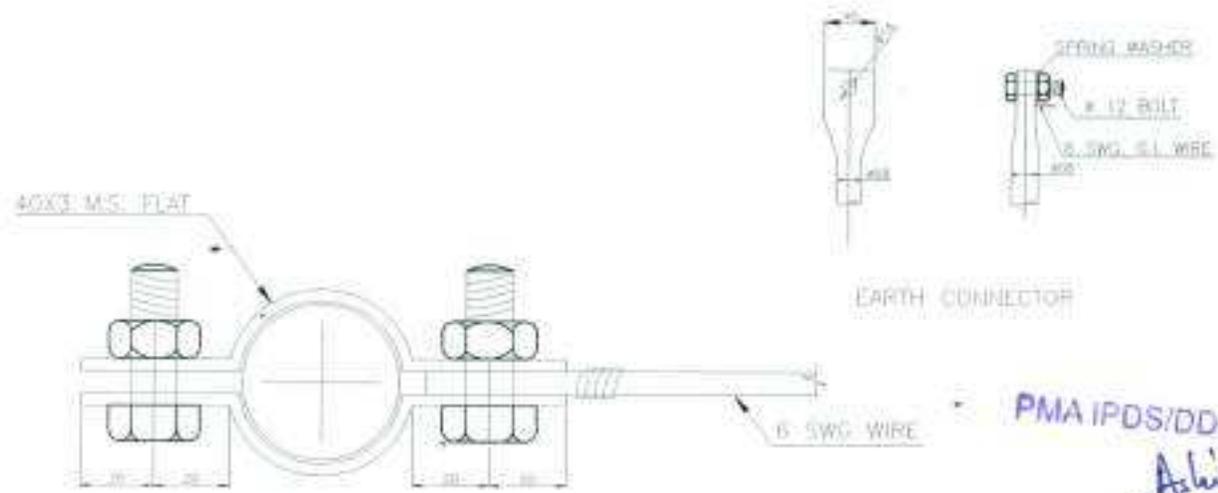
LOA No.	666PVNL-MTIPDS/33/15-16 DT. 20.06.2015
OWNER-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVNL)
CONTRACTOR	TATA PROJECTS LIMITED 14 FLOOR, TOWER-1 OKAYA CENTRE, 64, SECTOR-62, Gurgaon-122001
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	DRY, DEY & LT LINE FOUNDATION DETAIL FOR LHM STEEL TUBULAR POLE
SCALE	HTS SHEET NO. 1 OF 1 DRAWING No. IFL-PVNL-01F-12-P01-01

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EARTHING FOR HARD, STIFF OR MEDIUM CLAY.

EARTHING FOR ORDINARY SOIL WHERE PIPE COULD BE HAMMERED IN.



TYPICAL DETAIL OF CLAMP FOR PIPE EARTH.

PMA IPDS/DDUGJY
Ashish
RECPDCL

APPROVED
Chief Engineer
(Material Management)
P.V.V.N.L., MEERUT

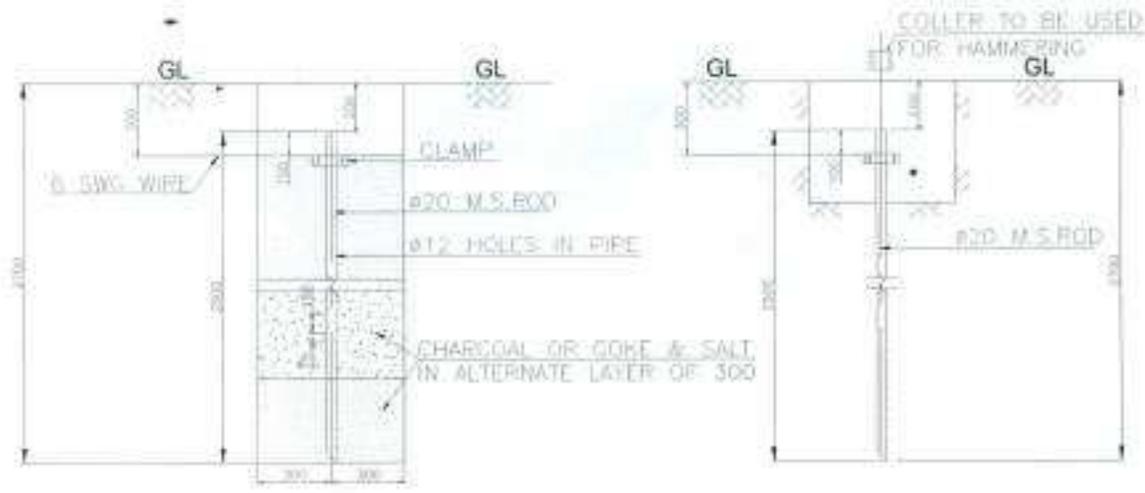
"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection."

BILL OF MATERIAL						
ERECTION CODE	DESCRIPTION	SECTION	LENGTH (MM)	WL/Mtr (K.g.)	Qty. (Nos.)	Total Wt. (Kgs)
EP	Clamp for Earth pipe	40x2	145	0.942	2	0.275
TOTAL:						0.275
1	Bolts & Nuts	M12	30	0.057	2	0.114
2	Spring Washers	M12	3.5mm THK	0.006	2	0.012
TOTAL:						0.136

LOA No.	G-WP/PVNL-MEERUT/933/15-16 DT. 20/06/2016
OWNER-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 1st FLOOR, TOWER-1, KAYA CENTRAL BLDG. SECTOR-42, NOIDA-201301, U.P.
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	ROD TYPE EARTHING ARRANGEMENT FOR 33kV HT LINE 20 MM DIA 2.5 M LONG
SCALE	1:10
SHEET NO.	1 OF 1
DRAWING No.	TPL-PVNL-EA-01

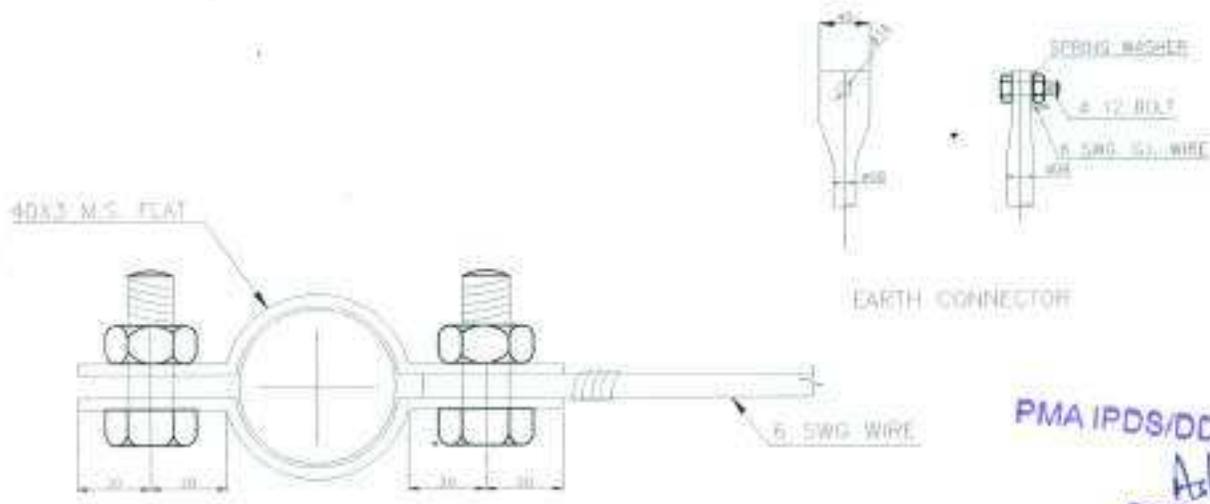
Rev	Date	Description	Drawn By	Checked By	Approved By
0	02/06/2017	Release for Approval	SANDEEP KR.	SANDEEP KR.	B. R. Patel

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF TATA PROJECTS LTD IT SHALL NOT BE COPIED OR COMMUNICATED TO A THIRD PARTY WITHOUT THE PRIOR WRITTEN PERMISSION OF THE COMPANY.



EARTHING FOR HARD, STIFF OR MEDIUM CLAY.

EARTHING FOR ORDINARY SOIL WHERE PIPE COULD BE HAMMERED IN.



TYPICAL DETAIL OF CLAMP FOR PIPE EARTH

APPROVED

Chief Engineer (Material Management)
P.V.V.N.L., MEERUT
 Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection.

BILL OF MATERIAL						
ERECTION CODE	DESCRIPTION	SECTION	LENGTH (MM)	Wt./Mtr (Kg)	Qty. (Nos.)	Total Wt. (Kgs)
EP	Clamp for Earth pipe	40x3	146	0.942	2	0.275
TOTAL :						0.275
1	Bolts & Nuts	M12	30	0.057	2	0.114
2	Spring Washers	M12	3.0mm Thick	0.008	2	0.012
TOTAL :						0.136

LOA No.	6400/PVNL/MD/DPDS/225/13-18 DT. 20.06.2016
OWNER-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVNL)
CONTRACTOR-	TATA PROJECTS LIMITED 1st FLOOR TOWER-1 OKAYA CENTRE, B-5, SECTOR-42, NOIDA-201301, U.P.
PROJECT-	IPDS - Saharanpur Project
DESCRIPTION	ROD TYPE EARTHING ARRANGEMENT FOR LT LINE 25 MM DIA 2.5 M LONG

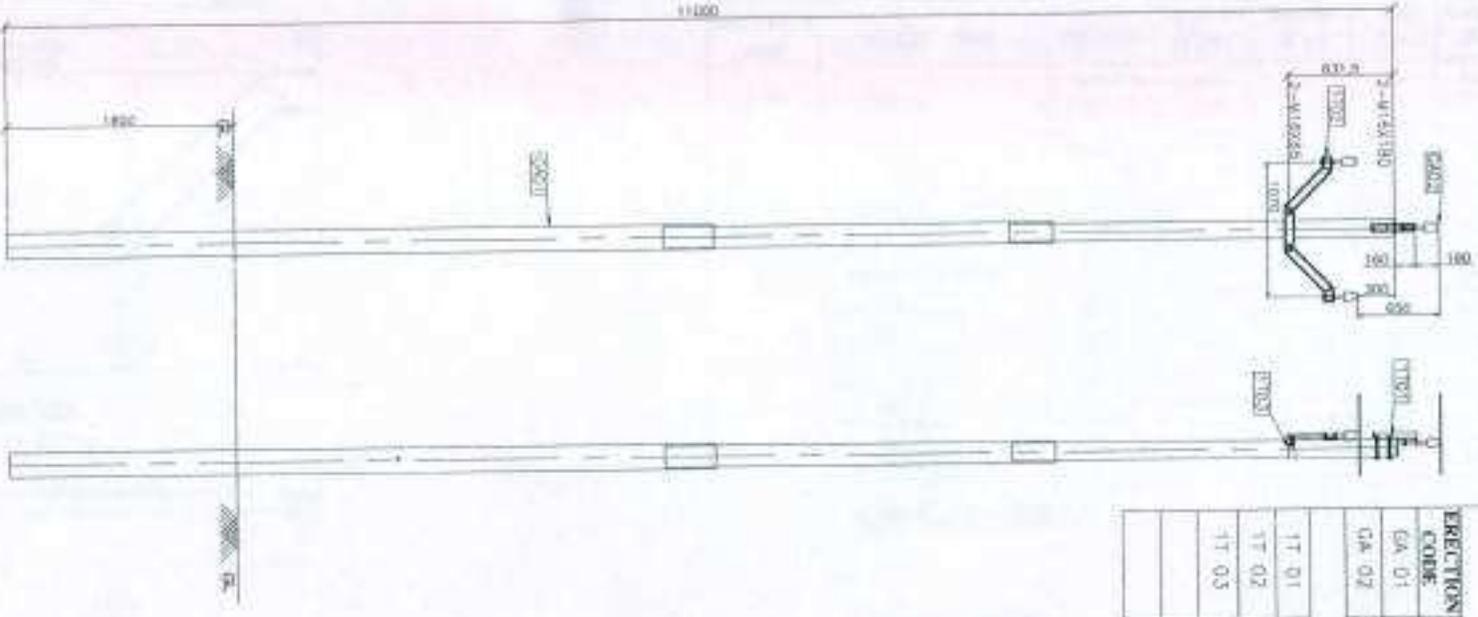
1					
2	02/06/2015	Release for Approval	SANDEEP KIL	SANDEEP KIL	S. B. Patel
Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY

SCALE: HTS SHEET NO. 1 OF 1 DRAWING No. TPL-PVNL-E4-01

GTP Approved in IPDS/DDUGJY
 Technical Order No. P/VVNL-MT/IE005 | 335 | 15-16

BILL OF MATERIAL

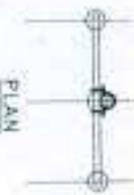
ERECTION CODE	DESCRIPTION	QTY.	REF DRAWING NO.
GA-01	11m/SP-SS (410 MPa) STP Pole	1 No.	
GA-02	11KV Pin Insulators	3 Nos.	
1T-01	F Bracket	1 No.	TPL-PVNL-11-11-GA-01
1T-02	V-Cross Arm	1 No.	TPL-PVNL-11-11-GA-01
1T-03	Beak Clamp For V X-arm	1 No.	TPL-PVNL-11-11-GA-01
	Spike Earthing	1 No.	
	Foundation	1 No.	



APPROVED

Chief Engineer
 (Material Management)
P.V.V.N.L. MERRUT

Notwithstanding the aforsaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection.



NOTE:-

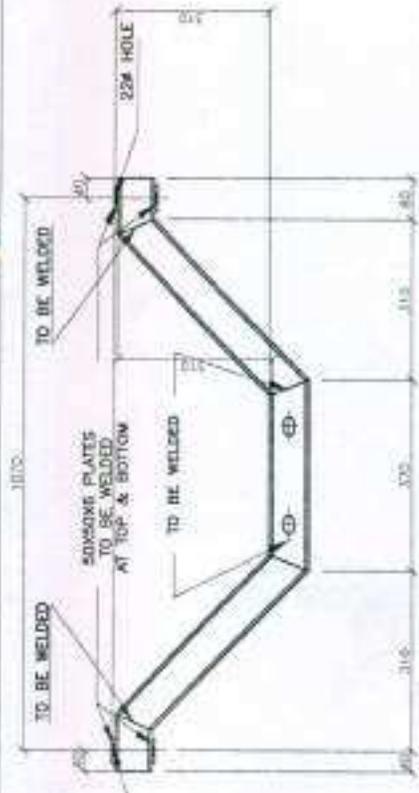
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED.
3. ALL SLOTTED HOLES ARE 38MM LONG AND 18MM WIDTH UNLESS OTHERWISE SPECIFIED.
4. MANUFACTURING TOLERANCE IS AS PER IS 7822.
5. ALL MS PARTS SHALL CONFORM TO IS 2062.
6. ALL MS FABRICATED ITEMS SHALL BE NOT PER PALWESCO AS PER IS 2629.
7. ALL WASHERS SHALL BE ALLOYED PALWESCO.
8. ALL MS ITEMS SHALL BE MARKED WITH ERECTION CODE.
9. ALL DIMENSIONS IN CHANGERS SHALL CONFORM TO IS 808.
10. ALL MS ITEMS SHALL BE OF GRADE E250 (Fe410).
11. WEIGHTS MENTIONED IN BOB ARE BEFORE PUNCHING HOLES.

PMA IPDS/DDUGJY
Asish
 RECPDCL

Rev	Date	Description	DESIGNED BY	CHECKED BY	APPROVED BY
0	02/09/2015	Release for Approval	SANDEEP KAL	SANDEEP KAL	R. R. Paul

LOA No.	644/PVNL-SPT/REGD/STP-11-01-2015/016
OWNER:-	PASCHIMANCHAL VIDYUT VITHAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 15, MIDC, TORANGA, COVVA CENTRAL, DIST. SRIHEERGA, AP-501307 (UP)
PROJECT	IPDS - Saksharajug Project
DESCRIPTION	G.A. Component for 11KV Line Erection at 11 nos. 575 Phase at Lala Lakshmi
SCALE	AS IS
SHEET NO.	1 OF 2
DRAWING No.	TPL-PVNL-11-11-GA-01

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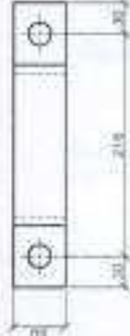
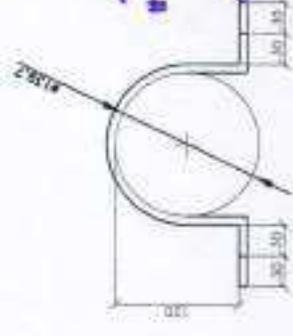


ELEVATION

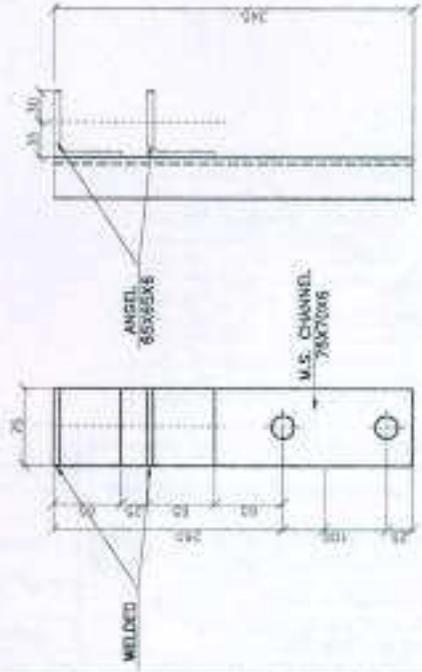


PLAN

IT02: V-CROSS ARM



IT03: BACK CLAMP
V-X ARM (50X8)



ELEVATION

END VIEW

IT01: E BRACKET

ERECTION CODE	DESCRIPTION	SECTION	LENGTH (M.M.)	WL/MTF (K.G.)	Qty. (Nos)	Total Wt. (Kgs)
IT 01	F Bracket	75x40x6	545	5.70	1	1.967
		85x85x6	150	5.80	2	1.740
IT 02	V - Cross Arm	100x50x6	1407	7.90	1	11.115
		50x8	50	2.36	4	0.472
IT 03	Back Clamp for V-X-arm	50x8	465	3.14	1	1.460
TOTAL WEIGHT:						16.254
1	Bolts & Nuts	M10	65	0.164	2	0.328
2	Bolts & Nuts	M16	180	0.334	2	0.668
3	Spring Washers	M16		0.009	4	0.036
4	Flat Washers	M16		0.014	4	0.056
TOTAL WEIGHT:						1.088

APPROVED

Chief Engineer
(Material Management)
P.V.N.L. MEERUT

"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type shall be that of the contractor. All MS fabricated items shall be hot dip galvanized as per IS 2629.
7. ALL WELDERS SHALL BE ELECTRO GALVANISED.
8. ALL MS ITEMS SHALL BE MARKED WITH ERECTION CODE.
9. ALL CLAMPS, ANGLES & CHANNELS SHALL CONFORM TO IS 808.
10. ALL MS ITEMS SHALL BE OF GRADE E250A (Fe410a).
11. WEIGHTS MENTIONED IN BOM ARE BEFORE PUNCHING HOLES.

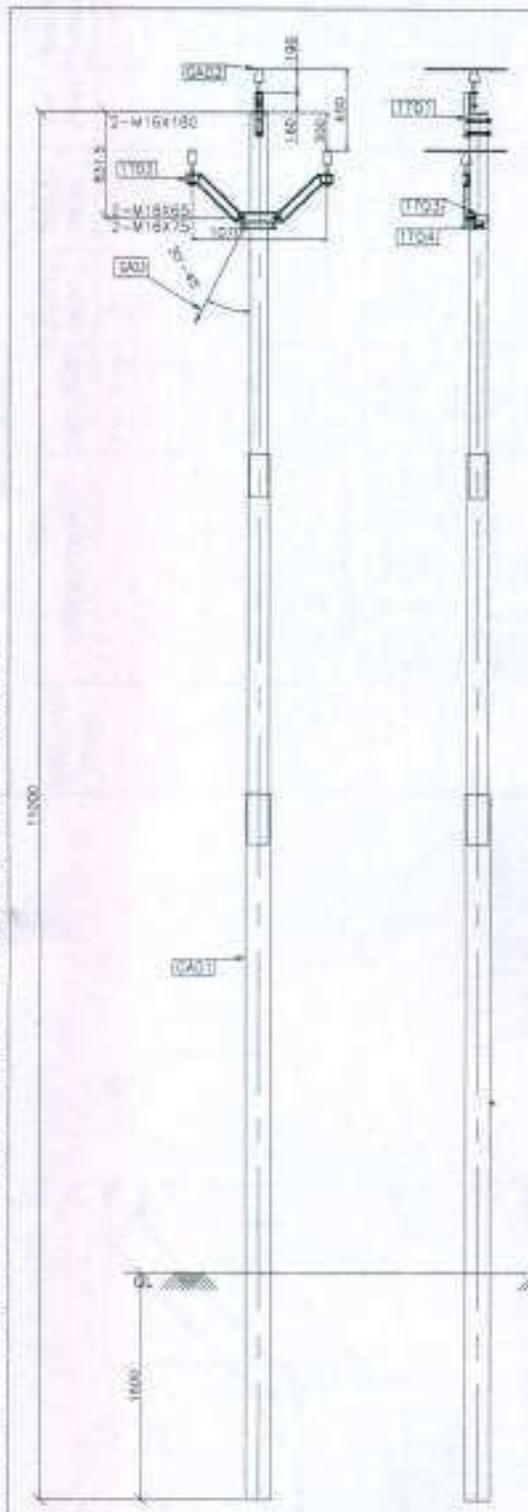
PMA IPDS/DDUGJY
SANDHEP KE. SANDHEP KE. K.K. Patel
DRWN BY: CHECKED BY: APPROVED BY: RECPOCL

Sl	Rev	Date	Reason for Approval	Description
0	02/06/2015			

EDA No.	6400PVNL-MC/2015/03/13-16 DT. 30.06.2016
OWNER -	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 14 FLOOR, TOWER 1, OKAYA CENTRE, B-4, SECTOR-40, GATEWAY INDIA, N.P.
PROJECT:	IPDS - Saharanpur Project
DESCRIPTION	G.A. Components for 11kV Line Transformation 11 mtr. STP Poles (By Line Location)
SCALE	NTS SHEET NO. 2 OF 2 DRAWING No. TPL-PVNL-11-11-CA-01

GTP Approved in IPDS/DDUGJY
Tender Spec. No. PVVNL-MT/IPDS/335/15-16

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BILL OF MATERIAL			
ERECTION CODE	DESCRIPTION	QTY.	REF DRAWING NO.
GA-01	11m/SP-55 (410 MPa) STP Pole	1 No.	
GA-02	11KV Pin Insulators with GI pins	3 Nos.	
GA-03	Stay Set Arrangement	1 Nos.	
IT-01	F. Bracket	1 No.	TPL-PVVNL-11-11-GA-02
IT-02	V-Cross arm	1 No.	TPL-PVVNL-11-11-GA-02
IT-03	Back Clamp For V, X-arm	1 No.	TPL-PVVNL-11-11-GA-02
IT-04	Stay set Clamp	1 No.	TPL-PVVNL-11-11-GA-02
	Spike Earthing	1 No.	
	Foundation	1 No.	

APPROVED

Chief Engineer
(Material Management)
P.V.V.N.L., MEERUT

"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection."



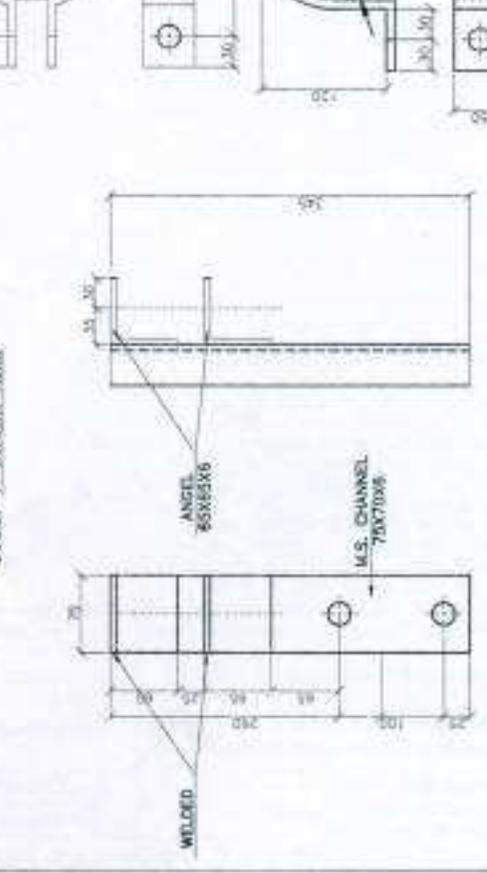
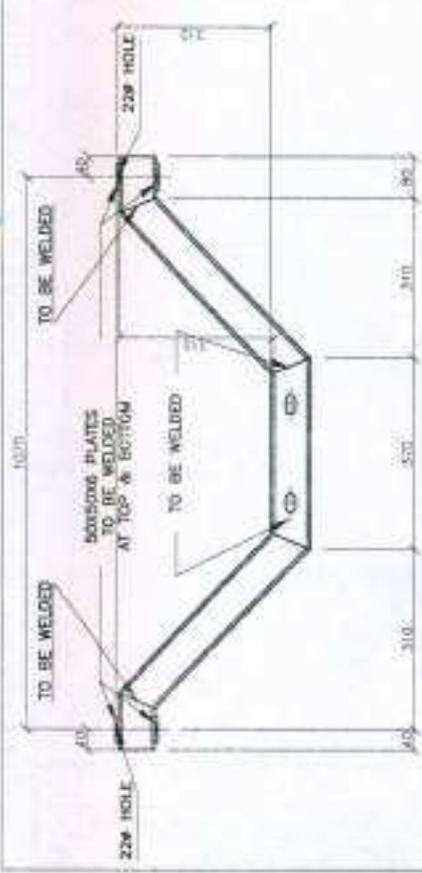
PMA IPDS/DDUGJY
Ashish
RECPDCL

- NOTE:-
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED
 2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED
 3. ALL SLOTTED HOLES ARE 35MM LONG AND 18MM WIDTH UNLESS OTHERWISE SPECIFIED
 4. MANUFACTURING TOLERANCE IS AS PER IS 1802
 5. ALL MS PARTS SHALL CONFORM TO IS 2062
 6. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANISED AS PER IS 2629
 7. ALL WASHERS SHALL BE ELECTRO GALVANISED
 8. ALL MS ITEMS SHALL BE MARKED WITH ERECTION CODE
 9. ALL CLAMPS, ANGLE & CHANNELS SHALL CONFORM TO IS 808
 10. ALL MS ITEMS SHALL BE OF GRADE E250A (Fe410w)
 11. WEIGHTS MENTIONED IN BOV ARE BEFORE PUNCHING HOLES

LOA No.	549/PVVNL-MT/IPDS/335/15-16/DT. 30.06.2016
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 1st FLOOR, TOWER-1 OKHVA CENTRE, B-4, SECTOR-42, Gurgaon-122001 (U.P.)
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	G.A. Components for 11kV Line Formation on II str. STP Poles (Angular Ins. 0°-10°)
SCALE	NTS
SHEET NO.	1 OF 2
DRAWING No.	TPL-PVVNL-11-11-GA-02

1					
0	02/08/2015	Release for Approval	SANDEEP KR.	SANDEEP KR.	R. R. Paul
Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY

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BILL OF MATERIAL

ERECTION CODE	DESCRIPTION	SECTION	LENGTH (MM)	Wt./Mtr (Kg)	Qty. (Nos)	Total Wt. (Kgs)
1T 01	F Bracket	75x40x6	345	5.70	1	1.967
1T 02	V - Cross Arm	65x65x6	150	5.80	2	1.740
1T 03	Back Clamp for Y-X-arm	100x50x6	1407	5.70	1	1.115
1T 04	Back Clamp for Y-X-arm	50x6	50	2.36	4	0.472
1T 04	Stay Set Comp	50x8	465	3.14	1	1.460
1T 04	Stay Set Comp	50x8	318	3.14	2	1.997
TOTAL WEIGHT :						18.721
1	Bolts & Nuts	M16	60	0.164	2	0.328
2	Bolts & Nuts	M16	180	0.334	2	0.668
3	Bolts & Nuts	M16	75	0.180	2	0.360
4	Spring Washers	M16		0.009	6	0.054
5	Flat Washers	M16		0.014	6	0.070
TOTAL WEIGHT :						1.417

APPROVED

Chief Engineer
(Material Management)
P.V.V.N.L. MEERUT

*Not Withstanding the aforesaid approval and the entire responsibility of correctness and supply of material according to the specification of material mentioned in the contract shall be that of the contractor which is to be checked during inspection.

1. ALL MS FABRICATED ITEMS SHALL BE HOT DP GALVANIZED AS PER IS 2028.
2. ALL MS ITEMS SHALL BE ELECTRO GALVANIZED.
3. ALL MS ITEMS SHALL BE MARKED WITH ERECTION CODE.
4. ALL CLAMPS, ANGLE & CHANNELS SHALL CONFORM TO IS 808.
5. ALL MS ITEMS SHALL BE OF CRACK RESISTANT (F44-10w).
6. ALL WEIGHTS MENTIONED IN BOM ARE BEFORE PURCHASING HOLES.

TAQ No.	6400PVNL-ATIPDS/03/05-16 DT. 30.06.2016
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 54 FLOOR TOWER-1, OKAYA CENTRE, B-5, SECTOR-42, NIGDA-200014, P.
PROJECT	IPDS - Solapur Project
DESCRIPTION	G.I.A Components for ERS Line Formation on 11 mtr. STP Poles (Single Loc. 6-10')
SCALE	MPS SHEET NO. 2 OF 2 DRAWING NO. IFL-PVNL-11-11-04-02

PNAIPDS/DDUGUJ

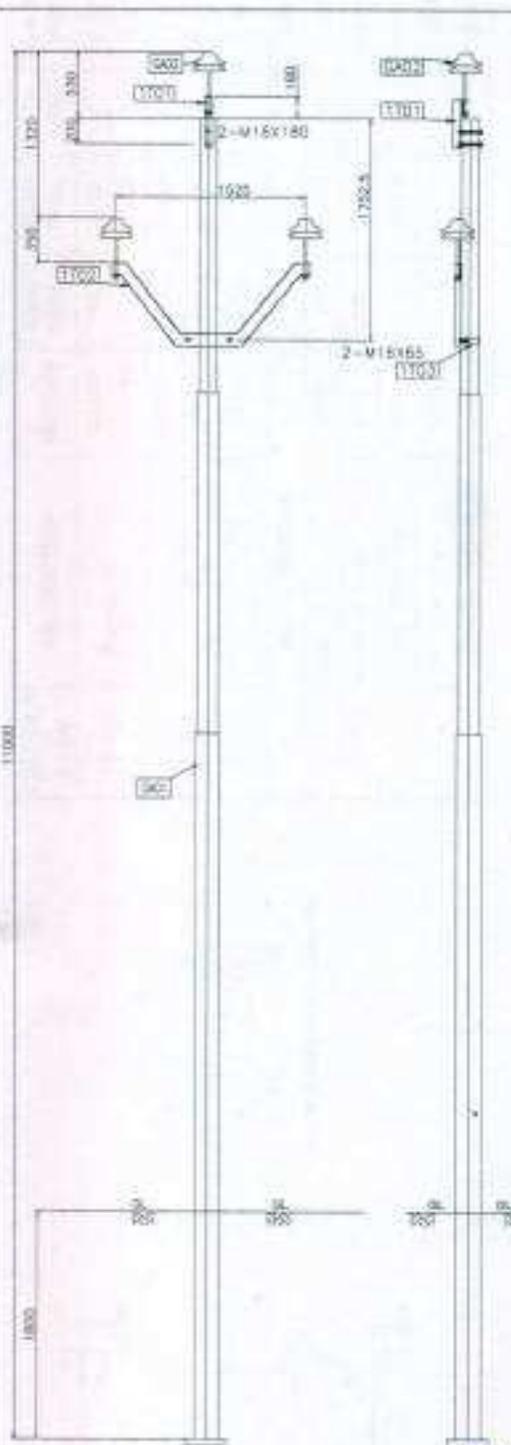
RECD

Asish

SANDEEP KR. SANDHEEP KR.	M. R. PAUL
DESIGN BY	CHECKED BY
APPROVED BY	APPROVED BY

1	01/06/2013	Release for Approval
Rev	Date	Description

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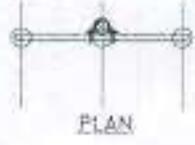
BILL OF MATERIAL			
ERECTION CODE	DESCRIPTION	QTY.	REF DRAWING NO.
GA 01	11m/SP-56 (410 MPa) STP Pole	1 No.	
GA 02	33KV Pin Insulators	3 Nos.	
IT 01	F Bracket	1 No.	TPL-PVVNL-33-11-GA-11
IT 02	V-Cross arm	1 No.	TPL-PVVNL-33-11-GA-11
IT 03	Back Clamp For V X-arm	1 No.	TPL-PVVNL-33-11-GA-11
	Spike Earthing	1 No.	
	Foundation	1 No.	

APPROVED
 Chief Engineer
 (Material Management)
 P.V.V.N.L., MEERUT

Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to its Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection.

- NOTE:-
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
 2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED.
 3. ALL SLOTTED HOLES ARE 36MM LONG AND 18MM WIDH UNLESS OTHERWISE SPECIFIED.
 4. MANUFACTURING TOLERANCE IS AS PER IS 1852.
 5. ALL MS PARTS SHALL CONFORM TO IS 2062.
 6. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANISED AS PER IS 2629.
 7. ALL WISHERS SHALL BE ELECTRO GALVANISED.
 8. ALL MS ITEMS SHALL BE MARKED WITH ERECTION CODE.
 9. ALL CLAMPS, ANGLE & CHANNELS SHALL CONFORM TO IS 808.
 10. ALL MS ITEMS SHALL BE OF GRADE E250A (Fe410w).
 11. WEIGHTS MENTIONED IN BOM ARE BEFORE RUNDING HOLES.

PMA IPDS/DDUGJY
 Anil
 RECDCL



LOA No.	0490PVVNL-MT/IPDS/335/15-16 DT. 20.06.2016
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR:-	TATA PROJECTS LIMITED 1st FLOOR, TOWER-LOKAYK CENTRE, B-5, SECTOR-62, NOIDA-201301 U.P.
PROJECT:	IPDS - Saharanpur Project
DESCRIPTION	G.A. Components for 33kV Line Foundation on 11 mtr. 8/7 Pole with ACSB DOG for (In Line Location)

Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY
0	20/06/2016	Release for Approval	SANDEEP KR.	SANDEEP KR.	R. R. Paul

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BILL OF MATERIAL

ERECTION CODE	DESCRIPTION	SECTION	LENGTH (M.M.)	WL/Mtr (K.g.)	Qty. (Nos)	Total Wt. (Kgs)
1T-01	F Bracket	100x50	65	7.90	1	2.44
1T-02	V - Cross-Arm	65x65x6	470	5.89	1	0.51
1T-03	Back Clamp for V X-arm	100x50	2143	7.90	1	16.93
		50x6	60	2.36	4	0.57
		50x8	470	3.14	1	1.44
TOTAL WEIGHT:						21.89
1	Bolts & Nuts	M16	65	0.164	2	0.328
2	Bolts & Nuts	M16	180	0.354	2	0.668
3	Spring Washers	M16		0.009	4	0.036
4	Flat Washers	M16		0.014	4	0.056
TOTAL WEIGHT:						1.088

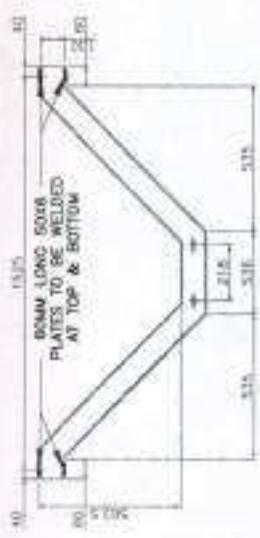
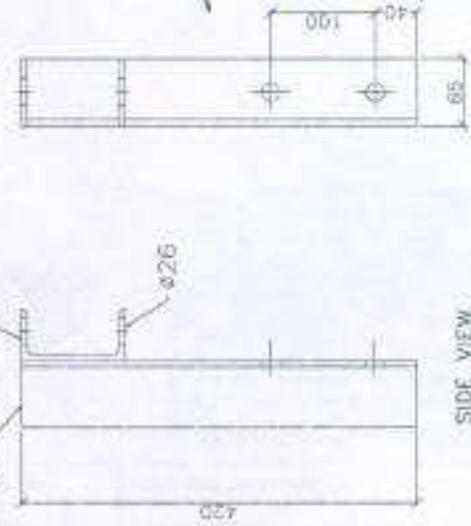


FIG. 1. BACK CLAMP FOR V-CROSS ARM



FIG. 2. V-CROSS ARM

MS ANGLE 65x65x6
MS CHANNEL 100x50 WELDED



SIDE VIEW

FRONT VIEW

1T01. TOP CLEAR

PMA IPDS/IDDUGJY
Abhishek
RECPDCL

APPROVED

Chief Engineer
(Material Management)
P.V.V.N.L., MEERUT

*Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / C&TP shall be that of the contractor which is to be attested by the contractor.

- NOTE:-
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED
 2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED.
 3. ALL SLOTTED HOLES ARE 38MM LONG AND 18MM WIDTH UNLESS OTHERWISE SPECIFIED.
 4. MANUFACTURING TOLERANCE IS AS PER IS 1859
 5. ALL MS PARTS SHALL CONFORM TO IS 2062
 6. ALL MS FABRICATED ONES SHALL BE HOT DIP GALVANISED AS PER IS 2029.
 7. ALL WELDINGS SHALL BE ELECTRO GALVANISED.
 8. ALL MS ITEMS SHALL BE MARKED WITH ERECTION CODE
 9. ALL CLAMPABLE & CHANNELS SHALL CONFORM TO IS 808.
 10. ALL MS ITEMS SHALL BE OF GRADE E250K (FE250)
 11. WEIGHTS MENTIONED IN BOM ARE BEFORE PURCHASING HOLE.

LOA No.	6400PVNL-AC/PPS/23/15-16 DT. 20.06.2016
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED M FLOOR, TOWER-1, KAYA CENTRE, B-1, BEHIND IIC MIDC-20001, U.P.
PROJECT	EPDS - Saharanpur Project
DESCRIPTION	D.A. Components for 3MVA Line Transformer on 11 kv. ST Poles with ACSR DRAG for 16 Line Locations
SCALE	SCALE: NTS
SHEET NO.	2 OF 2
PROJECT NO.	PPVNL-31-11-0A-11

Rev	Date	Description	Release for Approval
0	20/06/2016		B. B. Paul
1			APPROVED BY
			CHECKED BY
			SANDEEP K. R.

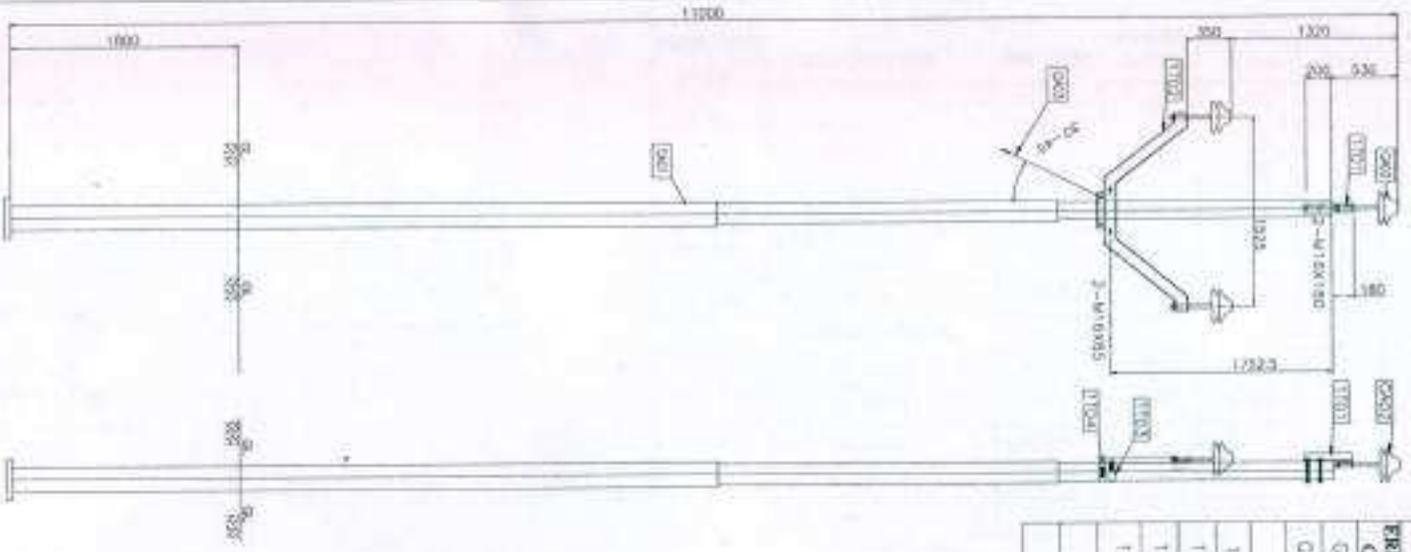
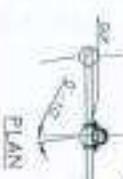
BILL OF MATERIAL

ERECTION CODE	DESCRIPTION	QTY.	REF DRAWING NO.
GA 01	11m/SP-55 (410 MPA) STP Pole	1 No.	
GA 02	33kv Pin Insulators	3 Nos.	
IT 01	F Bracket	1 No.	TPL-PVNL-35-11-GA-12
IT 02	V-Cross arm	1 No.	TPL-PVNL-35-11-GA-12
IT 03	Baru Clamp For V X-arm	1 No.	TPL-PVNL-35-11-GA-12
IT 04	Stay Clamp	1 No.	TPL-PVNL-39-11-GA-12
	Spoke Earthing	1 No.	
	Foundation	1 No.	

APPROVED

Chief Engineer
 (Material Management)
 P.V.V.N.L., MEERUT

"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection."



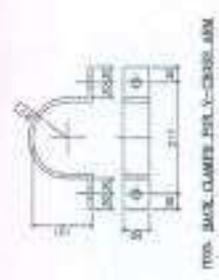
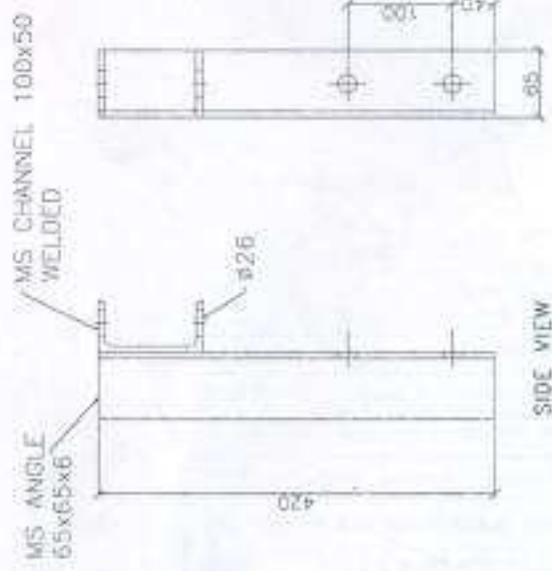
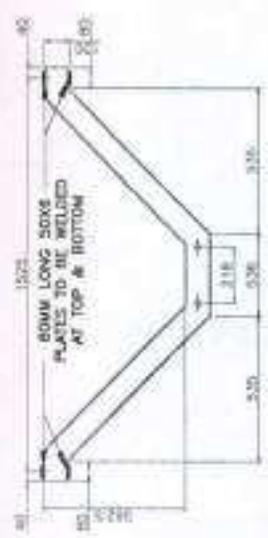
NOTE:- 1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED
 2. ALL HOLES ARE 1MM DIA UNLESS OTHERWISE SPECIFIED
 3. ALL SLOTTED HOLES ARE 3MM DIA AND 1MM WIDTH
 UNLESS OTHERWISE SPECIFIED
 4. MANUFACTURING TOLERANCE IS AS PER IS:1862.
 5. ALL WELDED PARTS SHALL CONFORM TO IS:2822
 6. ALL WELDED PARTS SHALL BE NOT DIR QUALIFIED AS PER IS:2822
 7. ALL WAGERS SHALL BE CUTTING QUALIFIED
 8. ALL WELTERS SHALL BE MARKED WITH ERECTION CODE
 9. ALL DRAWINGS/DETAILS & DIMENSIONS SHALL CONFORM TO IS:808
 10. ALL MS ITEMS SHALL BE OF GRADE (CR45A (FEELING))
 11. WELDS MENTIONED IN ROW ARE BEFORE FINISHING HOLES

PMA IPDS/DDUGJY
 Ashish
 RECPDCL

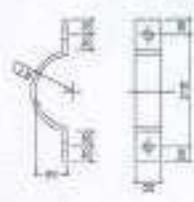
Rev	Date	Description	DRWN BY	CHECKED BY	APPROVED BY
0		Release for Approval	SANDEEP K.S.	SANDEEP K.S.	K. R. Puri

LDA No.	6492PVNL/MTDS/015/15-16/01/2016/5016
ORGR:-	ENGINEERMANAGERIAL, VINDYT VETRAN SIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED INF/ROOM/STAGE-1/2NDYA CENTRE-03 SECTION-42/WORK-42/PRJ-11/F
PROJECT	ITDS - Substation Project
DESCRIPTION	2. A Component for 33kV Line Foundation on 11m ST Pole with V-Cross Arm for (410MPa) IS:808
SCALE	MTS 888RT VOL 2 OF 2 DRAWING No. TPL-PVNL-35-11-GA-12

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TYPE BACK CLAMP FOR V-CROSS ARM



1T 04, Stay Clamp

APPROVED

Chief Engineer
(Material Management)
P.V.V.N.L., MEERUT

*Not Withstanding the aforesaid approval the entire responsibility for correctness and supply of material according to their specifications shall rest upon / C/Tp shall be on the contractor's side.

BILL OF MATERIAL

ERECTION CODE	DESCRIPTION	SECTION	LENGTH (MM)	Wt/Mtr (Kg)	Qty. (Nos)	Total Wt. (Kgs)
1T 01	F Bracket	100X50 65x65x6	65	7.90	1	2.44
1T 02	V - Cross Arm	100X50 50X8	2143	7.90	1	16.93
1T 03	Back Clamp for V X-arm	50X8	470	3.14	1	1.44
1T 04	Stay Clamp	50X8	316	3.14	2	2.05
TOTAL WEIGHT :						23.94
1	Bolts & Nuts	M16	65	0.164	2	0.328
2	Bolts & Nuts	M16	180	0.354	2	0.668
3	Bolts & Nuts	M16	75	0.180	2	0.360
4	Spring Washers	M16		0.009	6	0.054
5	Flat Washers	M16		0.014	6	0.070
TOTAL WEIGHT :						1.417

PMA IPDS/DDUGJY

Abhishek
RECRDCL

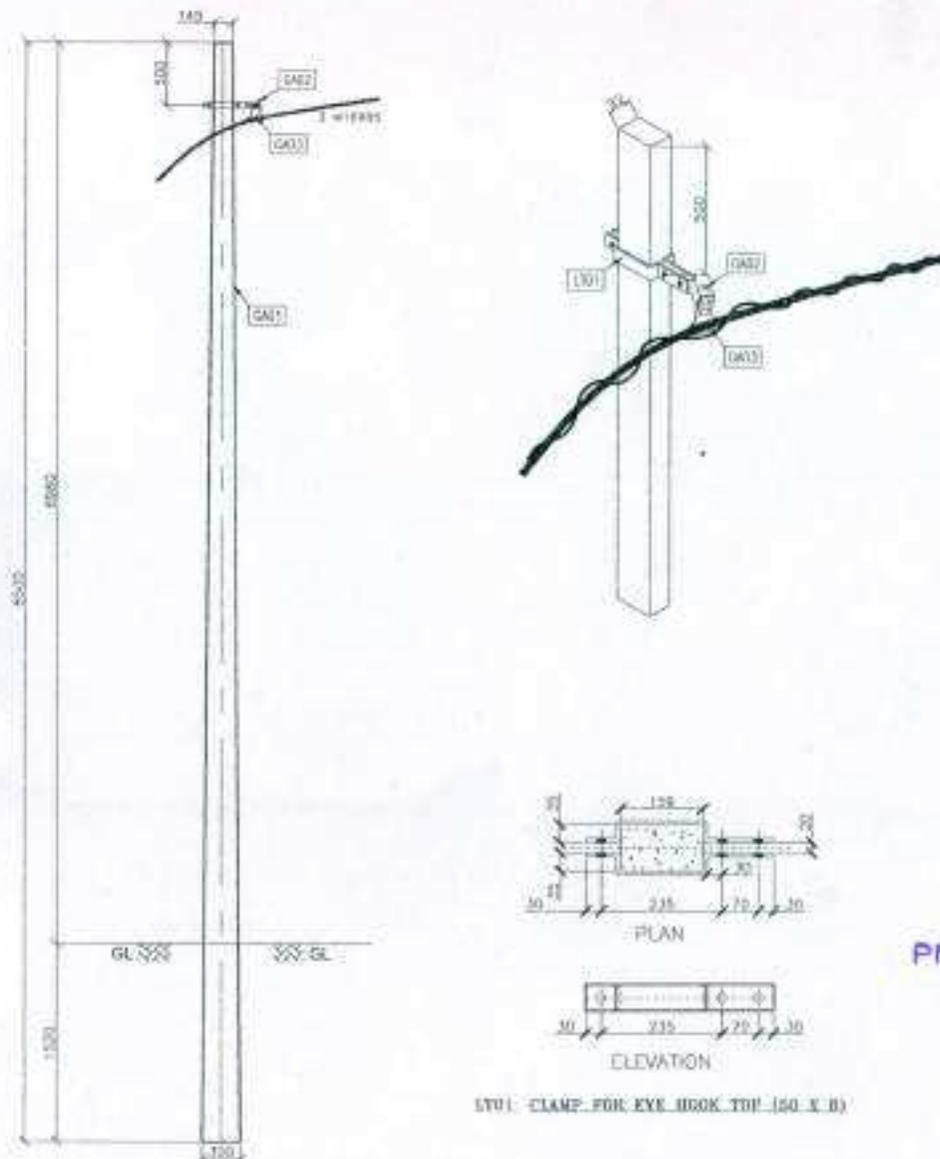
- NOTE:-
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
 2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED.
 3. ALL SCOTTED HOLES ARE 36MM LONG AND 18MM WIDTH UNLESS OTHERWISE SPECIFIED.
 4. MANUFACTURING TOLERANCE IS AS PER IS 1852.
 5. ALL MS PARTS SHALL CONFORM TO IS 2062.
 6. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANISED AS PER IS 2029.
 7. ALL WELDERS SHALL BE ELECTRO CALIBRATED.
 8. ALL MS ITEMS SHALL BE MARKED WITH CREATION CODE.
 9. ALL CLAMPS, ANGLE & CHANNELS SHALL CONFORM TO IS 808.
 10. ALL MS ITEMS SHALL BE OF GRADE E350A (Fe-410a).
 11. BRACKETS MENTIONED IN ROW ARE BEFORE PUNCHING HOLES.

LOA No.	6606PVVNL-MEERUT/SS/15-16 DT. 20.06.2016
OWNER-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED NA FLOOR, TOWER-1, CANVA CENTRE, B-8, SECTOR-42, Gurgaon, Haryana
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	I.C.A. Components for 10KV Line Formation on 11 mile ST India with ACCESS DONG for Angular Loo. P. 10/1
SCALE	M15 1000/1 NO. 3 OF 3 DRAWING NO. TP-1/PVNL-15-11-04-12

Release for Approval
Date

1
0
Rev

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LT01: CLAMP FOR EYE HOOK TOP (50 X 50)

BILL OF MATERIAL

ERECTION CODE	DESCRIPTION	QTY.	REF DRAWING NO.			
GA 01	8.5m PCC Pole	1 No.				
GA 02	Forged Eye hook for LT AB Cable	1 No.				
GA 03	Suspension Clamp for LT AB Cable	1 No.				
	Foundation	1 No.				
	Spike Earthing	1 No.				
ERECTION CODE	DESCRIPTION	SECTION	LENGTH (M.M.)	Wt./Mtr (K.G.)	QTY. (Nos.)	Total Wt. (Kgs)
LT 01	Clamp for Eye Hook (TGP)	50X5	435	3.14	2	2.732
TOTAL :						2.732
1	Bolts & Nuts		65	0.164	3	0.492
2	Spring Washers			0.009	3	0.027
3	Flat Washers			0.014	3	0.042
TOTAL :						0.561

- NOTE:-
- All the Dimensions are in mm Unless otherwise specified.
 - All Holes are 18mm Dia Unless otherwise Specified;
 - All Slotted Holes are 35mm long and 18mm width.
 - Manufacturing Tolerance as per IS:1852
 - All M.S. Parts Shall Confirm to IS:2062
 - All M.S. Fabricated Items Shall be Hot Dip Galvanised As Per IS: 2629
 - All Washer Shall be Electro Galvanised
 - All M.S. Items Shall be Marked with Identification Code
 - All M.S. Clamps, Angel & Channel Shall confirm to IS:808
 - All M.S. Items Shall be of Grade E250A (Fe410W)
 - Weight Mention in BOM are Before Punching Holes.
 - Spike Earthing Shall Be Connected to Spike Type Earthing

PMA IPDS/DDUGJY
Ashish
RECPDCL

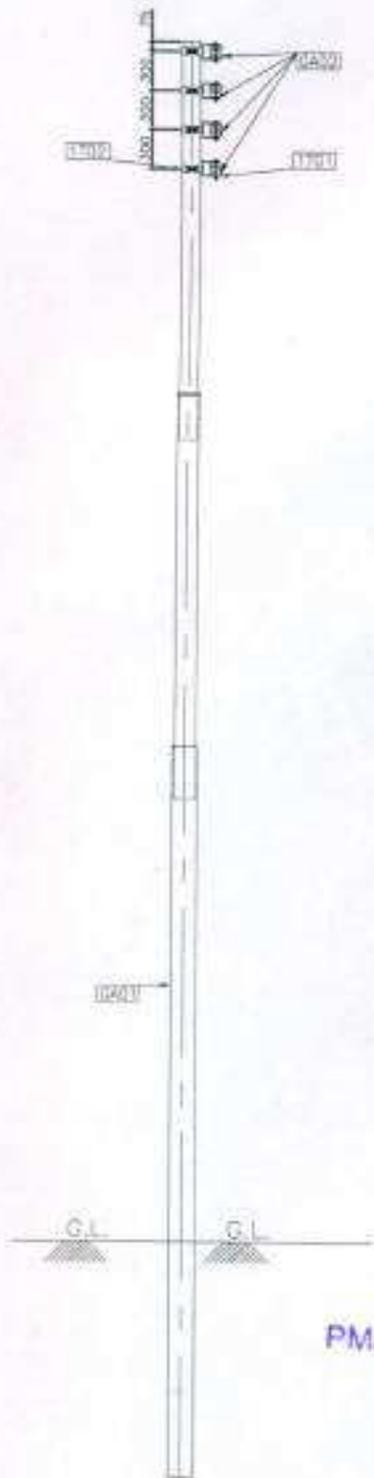
APPROVED
Chief Engineer
(Material Management)
P.V.V.N.L, MEERUT

"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / CTP shall be that of the contractor which is to be maintained in the project file."

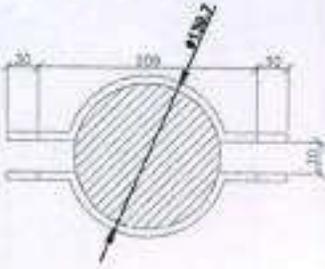
LOA No.	609/PV.V.N.L.
OWNER:-	PASCHIMANCHAL VIDYUT NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 11 FLOOR, 11/11/11, ORAYA CENTRE, B.A. BECTOR ROAD, Gurgaon-201301, U.P.
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	G.A. Components for LT Line Formation on 8.5 mtr. PCC Pole With All Cable for (In Line Location)
SCALE	NTS
SHEET NO.	1 OF 1
DRAWING No.	TA-TPL-PV.VNL-10-8.5-GA-11

0	22/06/2016	RELEASE FOR APPROVAL	SANDEEP KR.	SANDEEP KR.	B. R. Paul
Revision	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY

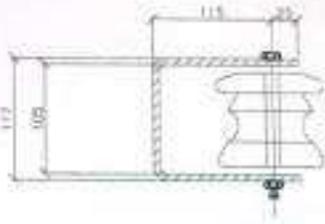
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BILL OF MATERIAL						
ERECTION CODE	DESCRIPTION	QTY.	REF DRAWING NO.			
GA 01	11m/SP-55 (410 MPa) STP Pole	1 No.				
GA 02	Lf Shockle insulators with GI pins	4 Nos.				
1T 01	U Clamp	4 Nos.	TPL-PVVNL-STP-10-11-GA-11			
1T 02	Clamp for U Clamp	8 Nos.	TPL-PVVNL-STP-10-11-GA-11			
	Earthing	1 No.				
	Foundation	1 No.				
ERECTION CODE	DESCRIPTION	SECTION	LENGTH (MM.)	WL/Mtr (K.g.)	Qty. (Nos.)	Total Wl. (Kgs)
1T 01	U Clamp	30X6	385	1.41	4	2.17
1T 02	Clamp for U Clamp	50X6	318	2.36	8	6.00
TOTAL WEIGHT :						8.17
1	Bolts & Nuts	M16	75	0.180	8	1.440
2	Spring Washers	M16		0.009	8	0.072
3	Flat Washers	M16		0.014	8	0.112
TOTAL WEIGHT :						1.624



1T02 CLAMP FOR U CLAMP (50X6)



1T01 U CLAMP (30X6)

APPROVED

Chief Engineer
(Material Management)
PVVNL MEERUT

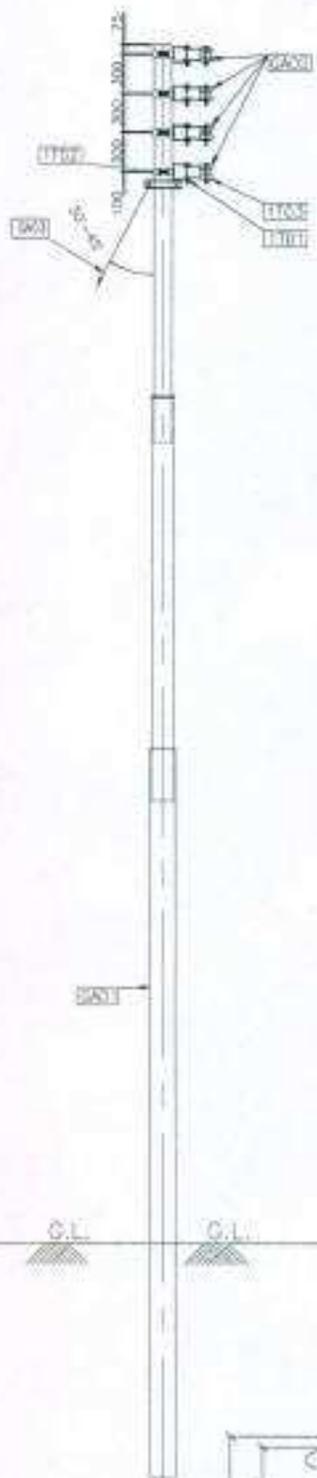
- NOTE:-
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS MENTIONED.
 2. ALL DIMENSIONS ARE TO BE TAKEN AS SHOWN.
 3. ALL DIMENSIONS ARE TO BE TAKEN AS SHOWN UNLESS OTHERWISE SPECIFIED.
 4. ALL DIMENSIONS ARE TO BE TAKEN AS SHOWN UNLESS OTHERWISE SPECIFIED.
 5. ALL MS FABRICATED OVER THE CONTRACTOR WHICH IS TO AS PER IS 3628.
 6. ALL MS FABRICATED OVER THE CONTRACTOR WHICH IS TO AS PER IS 3628.
 7. ALL WASHERS SHALL BE ELECTRO GALVANIZED.
 8. ALL MS ITEMS SHALL BE MARKED WITH ERECTION CODE.
 9. ALL CLAMPS, ANGLE & CHANNELS SHALL CONFORM TO IS 808.
 10. ALL MS ITEMS SHALL BE OF GRADE E250M (Fe410w).
 11. WEIGHTS MENTIONED IN BOM ARE BEFORE PUNCHING HOLES.

PMA IPDS/DDUGJY
Ashish
RECPDCL

LOA No.	140/PVVNL-MT/IPDS/335/15-16 DT: 30.06.2016
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 14 FLOOR, TOWNS-1, OKAYA CENTRE, 4-S, SECTOR-42, NOIDA-201301, U.P.
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	G.A. Components for LT Line Foundation on 11 mtr. ST Pole with ACSR DDG for (3c Line Location)
SCALE	MTS
SHEET NO.	1 OF 1
BRANDING No.	TPL-PVVNL-STP-10-11-GA-11

1					
0	24/06/2016	Release for Approval	SANDEEP KR.	SANDEEP KR.	R. R. Patel
Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY

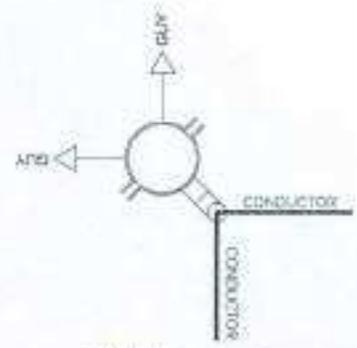
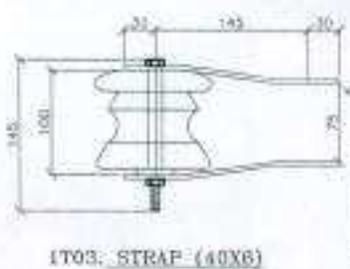
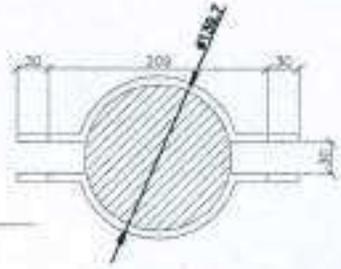
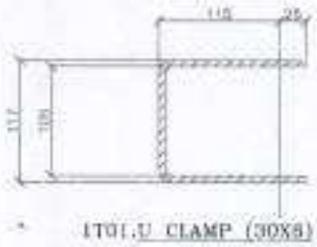
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BILL OF MATERIAL

ERECTION CODE	DESCRIPTION	QTY.	REF DRAWING NO.
GA 01	11m/SP-55 (410 MPa) ST Pole	1 No.	
GA 02	LT Shackle Insulators with GI pins	4 Nos.	
GA 03	Stay Set	2 sets	
1T 01	U Clamp	4 Nos.	TPL-PVVNL-STP-10-11-GA-12
1T 02	Clamp for U Clamp	8 Nos.	TPL-PVVNL-STP-10-11-GA-12
1T 03	STRAP	8 Nos.	TPL-PVVNL-STP-10-11-GA-12
	Earthing	1 No.	
	Foundation	1 No.	

ERECTION CODE	DESCRIPTION	SECTION	LENGTH (M.M.)	Wt./Mtr (K.g)	Qty. (Nos.)	Total Wt. (Kgs)
1T 01	U Clamp	30X6	385	1.41	4	2.17
1T 02	Clamp for U Clamp	50X8	318	2.35	8	6.00
1T 02	Strap	40X8	206	1.903	8	3.136
TOTAL WEIGHT :						11.306
1	Bolts & Nuts	M16	75	0.180	8	1.440
2	Bolts & Nuts	M16	145	0.291	8	2.328
3	Spring Washers	M16		0.009	16	0.144
4	Flat Washers	M16		0.014	16	0.224
TOTAL WEIGHT :						4.136



PMA : P.V.V.N.L. MEERUT
Ashish
RECPDCL

NOTE: - 1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
2. ALL DIMENSIONS SHALL BE MARKED WITH ERECTION CODE.
3. ALL SLOTTED HOLES ARE 36MM LONG AND 18MM WIDE UNLESS OTHERWISE SPECIFIED.
4. MANUFACTURING TOLERANCE IS AS PER IS 1852.
5. ALL PARTS SHALL CONFORM TO IS 2052.
6. ALL PARTS SHALL BE HOT DIP GALVANIZED.

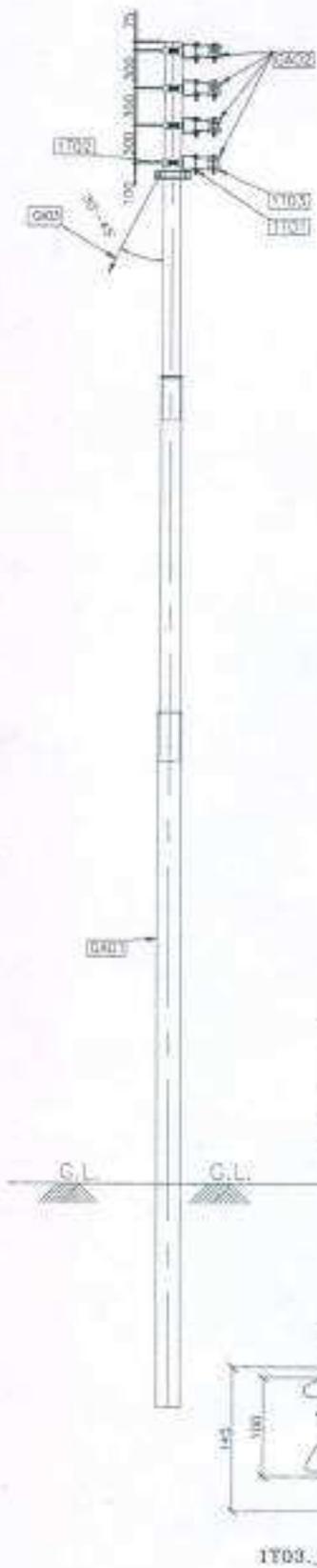
APPROVED
Chief Engineer
(Material Management)
P.V.V.N.L. MEERUT

***Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be certified by the contractor.**

Sl	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY
0	24/03/2016	Release for Approval	SANDEEP KR.	SANDEEP KR.	R. R. Patel

CONTRACTOR:	TATA PROJECTS LIMITED 1st FLOOR, TOWER-1, OKAYA CENTRE, 5-3, SECTOR-62, NOIDA-201301 (U.P.)
PROJECT:	IPDS - Saharanpur Project
DESCRIPTION:	G.A. Components for LT Line Formation on 11 mtr. ST Poles with ACSR DOG Str (Angular Lec. 9°-90°)
SCALE:	M.TS / SECRET NO. 1 OF 1 / DRAWING No. TPL-PVVNL-STP-10-11-GA-12

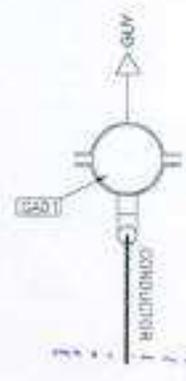
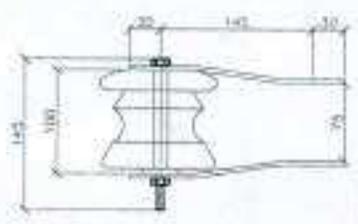
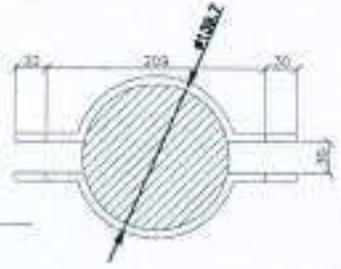
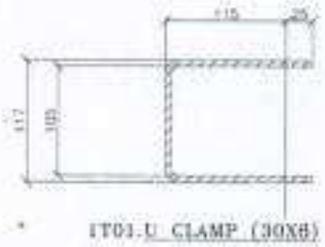
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BILL OF MATERIAL

ERECTION CODE	DESCRIPTION	QTY.	REF DRAWING NO.
GA 01	11m/SP-55 (410 MPa) STP Pole	1 No.	
GA 02	LT Shackle insulators with CI pins	4 Nos.	
GA 03	Slay Set	1 sets.	
1T 01	U Clamp	4 Nos.	TPL-PVNL-STP-10-11-GA-13
1T 02	Clamp for U Clamp	8 Nos.	TPL-PVNL-STP-10-11-GA-13
1T 03	STRAP	8 Nos.	TPL-PVNL-STP-10-11-GA-13
	Earthing	1 No.	
	Foundation	1 No.	

ERECTION CODE	DESCRIPTION	SECTION	LENGTH (MM.)	Wt/Mtr (Kg.)	Qty. (Nos.)	Total Wt. (Kgs)
1T 01	U Clamp	30X6	385	1.41	4	2.17
1T 02	Clamp for U Clamp	50X6	318	2.36	8	6.00
1T 03	Strap	40X6	208	1.993	8	3.136
TOTAL WEIGHT :						11.306
1	Bolts & Nuts	M16	75	0.180	8	1.440
2	Bolts & Nuts	M16	145	0.291	8	2.328
3	Spring Washers	M16		0.009	16	0.144
4	Flat Washers	M16		0.014	16	0.224
TOTAL WEIGHT :						4.136



APPROVED

NOTE: 1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
 2. ALL HOLES ARE 18MM DIA UNLESS OTHERWISE SPECIFIED.
 3. ALL SLOTTED HOLES ARE 35MM LONG AND 18MM WIDTH UNLESS OTHERWISE SPECIFIED.

Chief Engineer (Material Management)
P.V.V.N.L. MEERUT

***Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification (Type test report) GTP shall be that of the contractor which is to be submitted to the client before the start of the work.**

EDA No.	0600PVNL-MTIPDS-013-MED-01-0000015
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 1st FLOOR TOWER-1, KAXA CENTRE, B-8, SECTOR-02 NOIDA-201301, I.P.
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	G.A. Components for LT Line Formation on 11 mtr. ST Poles with ACSR DOG for (Dead End Location)

Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY
0	24/02/2016	Release for Approval	SANDEEP KR.	SANDEEP KR.	R. B. Patel



दूरभाष / Ph.: 0121-2665734
फैक्स / Fax: 0121-2666062
CIN: U31200UP2003SGC027458

No.: 20844/ PVVNL-MT/ IPDS/335/15-16

Dated: 13.01.2017

Subject:- Approval of GTP/Drawing of Material/Equipment for Work of Construction of 33 KV Line, 11 KV Line, LT Line, Installation of New 11/0.4 KV Transformers, Augmentation of 11/0.4 KV Transformers & other works at different places of Electricity Distribution Zone Saharanpur on partial-turnkey basis under Integrated Power Development Scheme (IPDS) Against Tender specification no. PVVNL-MT/IPDS/335/15-16.

M/s Tata Projects Limited,
Ground Floor Tower-B Green Boulevard,
Plot No. B-9/A, Sector-62,
Noida-201307 UP.

Email ID - abhikpal@tataprojects.com

Dear Sir,

Please refer to your letter No. TPL/NOIDA/PVVNL/IPDS/62 dated 30.12.2016 regarding approval of the GTP & Drawing of the material & make as detailed below:-

Sl. No.	Material/equipment	Approved Vendor
1.	GA Drawings	M/s Tata Projects Ltd, Noida

This approval is subject to the following conditions:-

1. The said approval is with the condition the material supplied by the above firms may be sent by Managing Director, PVVNL, Meerut for testing by independent lab on firm's cost.
2. M/s Tata Projects Ltd, Noida is not blacklisted/Debarred by any Discom/Govt. Organization.

Correction wherever required in GTP & Drawing submitted by the contractor has been done by red ink However, these GTP & Drawing shall be subjected to the valid type test report and correctness as per technical specification of the SBD for IPDS/DDUGJY and tender document and the entire responsibility of the correctness of the GTP & Drawing as per the specification as well as supply of material according to the technical specification of the contract agreement and these GTP & Drawing shall be that of the contractor.

In case of any contradiction between GTP & Drawing & Technical specification the version of the M.D. PVVNL, Meerut shall be final and binding on both the parties. Contractor shall have to replace the material to the entire satisfaction of purchaser in case the material is not found suitable for use in the projects.

One copy of approved GTP and Drawings are enclosed herewith. This GTP and Drawing shall be treated as approved for all tenders under DDUGJY and IPDS scheme.

Encl.: As above

Your's faithfully

(Anil Kumar)

Superintending Engineer (MM-2)

Dated: 13.01.2017

No.:20844/ PVVNL-MT/ IPDS/335/15-16

Copy forwarded to following for information and necessary action:

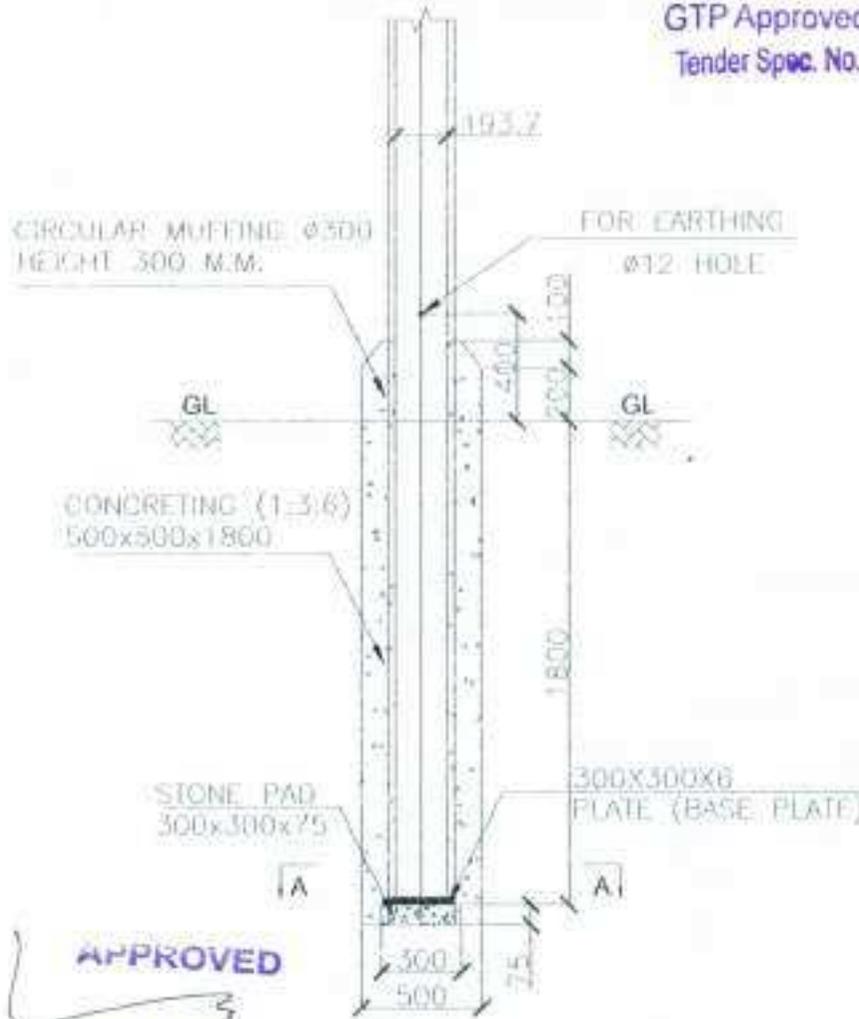
1. Chief Engineer, Saharanpur Zone, Saharanpur.
2. SE (Equator), PVVNL, Meerut.
3. SE (EDC/EUDC), Saharanpur/Muzaffarnagar/Shamli.
4. Project Manager M/s. REC, PDCL, (PMA for IPDS/DDUGJY)

(Anil Kumar)

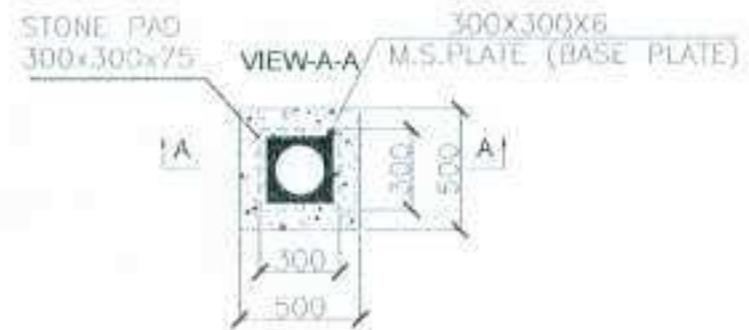
Superintending Engineer (MM-2)

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GTP Approved in IPDS/DDUGJY
Tender Spec. No. P.V.V.N.L.-MT/IPDS/335/15-16



S.NO.	DESCRIPTION	Vol. in m^3
1	Excavation	0.471
2	Concreting (1:3:6)	0.425 0.49



APPROVED

Chief Engineer
(Material Management)
P.V.V.N.L., MET

"Not Withstanding the approval of the Chief Engineer, the contractor shall be responsible for the entire responsibility of the work and shall conform to the type last report / GTP report and inspection which is to be conducted by the contractor."



NOTE:-

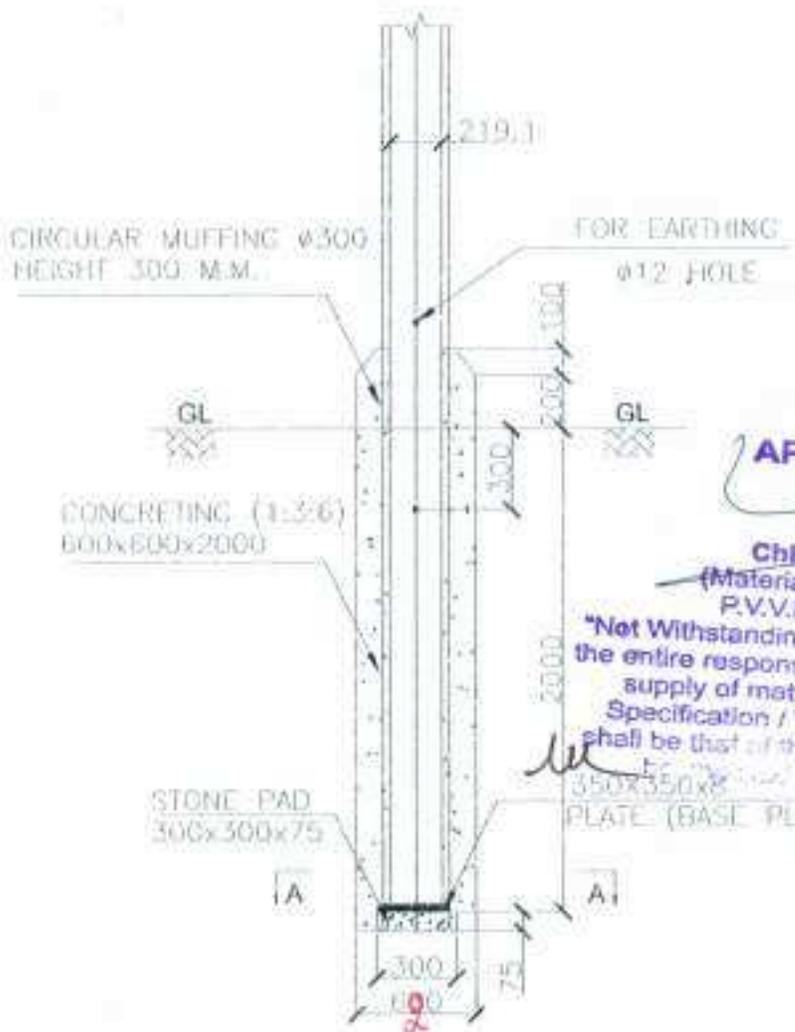
- All Dimensions are in mm. Unless otherwise Specified.
- Pole Drawing As Per IS 2713 - 1980(Part II), SP-55(410Mpa)

IOA No.	698/PVNL-MT/IPDS/335-16 DT. 30.06.2016
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (P.V.V.N.L.)
CONTRACTOR	TATA PROJECTS LIMITED 1st FLOOR TOWER-1, OKAYA CENTRE, B-1, SECTOR-42 NOIDA-201301, U.P.
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	11KV, 11KV & 11KV LINE FOUNDATION DETAIL FOR 11M STEEL TUBULAR POLE
SCALE	NTS
SHEET NO.	1 OF 1
DRAWING No.	TPL-PVNL-SIP-11-FDN-01

Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY
1	29/12/2016	FOUNDATION 300x300x1800	ADITYA BHATI	SANDEEP KR.	R. K. Puri
0	02/08/2015	Release for Approval	SANDEEP KR.	SANDEEP KR.	R. K. Puri

GTP Approved in IPDS/DDUGJY
 Tender Spc. No. **PVVNL-MT/IPDS/335/15-16**

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF TATA PROJECTS LTD. IT SHALL NOT BE COPIED OR COMMUNICATED TO A THIRD PARTY WITHOUT THE PRIOR WRITTEN PERMISSION OF THE COMPANY.

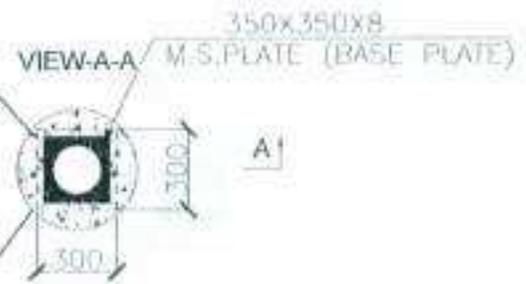


S.NO.	DESCRIPTION	Vol. in ³ M
1	Excavation	0.588
2	Concreting (1:3:6)	0.516 0.64

APPROVED

Chief Engineer
 (Material Management)
 P.V.V.N.L., MEERUT

"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be verified by the quality inspection."



NOTE:-
 1. All Dimensions are in mm. Unless otherwise Specified.
 2. Pole Drawing As Per IS 2713 - 1950(Part II), SP-72(540Mpa)

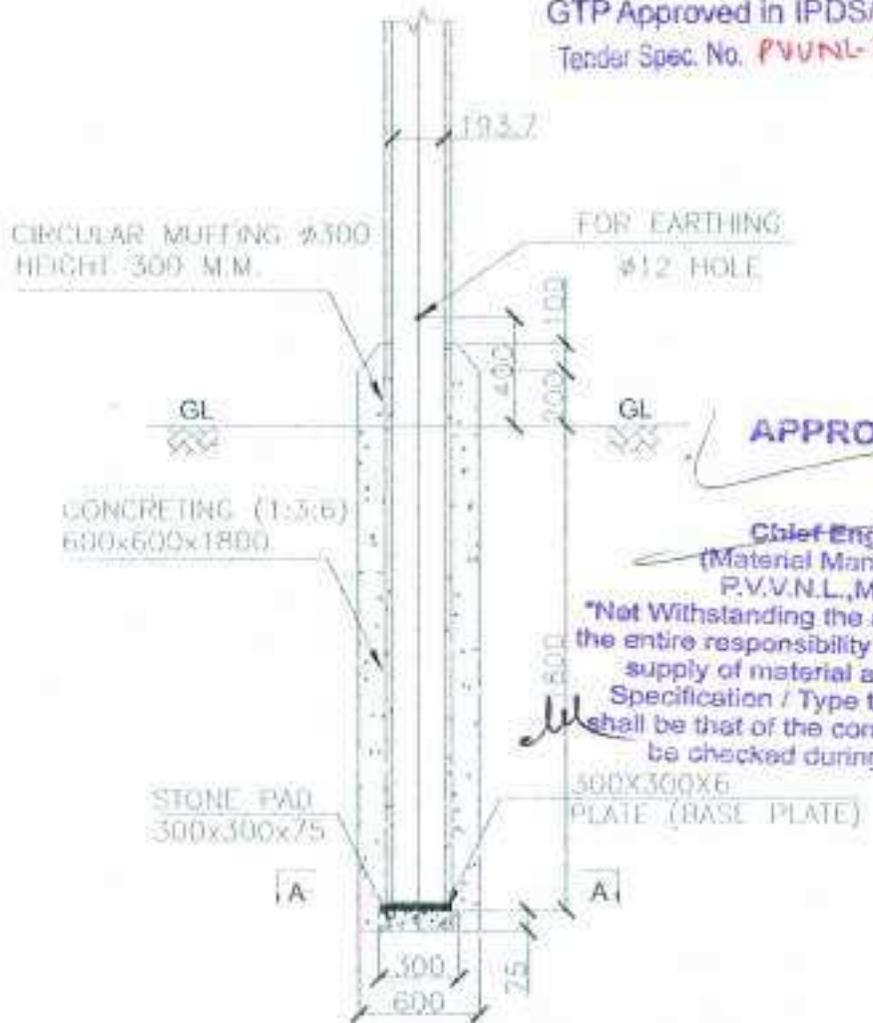


LOA No.	6400PVVNL-MT/IPDS/335/15-16 DT. 20.06.2016
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 1st FLOOR, TOWER-1 ORAYA CENTRE, B-5, SECTOR-62, NOIDA-201301 (I.P.)
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	DRY, HVV & TL LINE FOUNDATION DETAIL FOR 13M STEEL TUBULAR POLE
SCALE	1:1
SHEET	NO. 1 OF 1
DRAWING No.	TPL-PVVNL-STP-13-FDN-01-A

1				
0	20/12/2016	Notation for Approval	ADITYA BHATT	SANDEEP KR. S. S. Patel
Rev	Date	Description	DRAWN BY,	CHECKED BY, APPROVED BY

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GTP Approved in IPDS/DDUGJY
Tender Spec. No. PVVNL-MT/IPDS/335/15-16

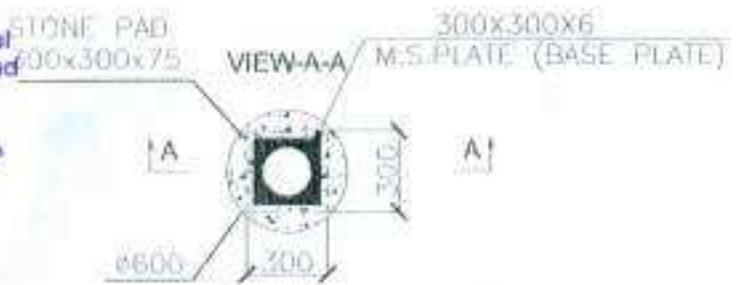


S.NO.	DESCRIPTION	Vol. in M^3
1	Excavation	0.532
2	Concreting (1:3:6)	0.485

APPROVED

Chief Engineer
(Material Management)
P.V.V.N.L., MEERUT

"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection."



NOTE:-
1. All Dimensions are in mm. Unless otherwise Specified.
2. Pole Drawing As Per IS 2713 - 1980(Part II), SP-55(410Mpa)

PMA IPDS/DDUGJY
Ashish
RECPDCL



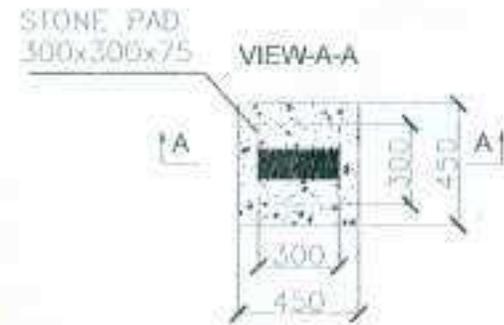
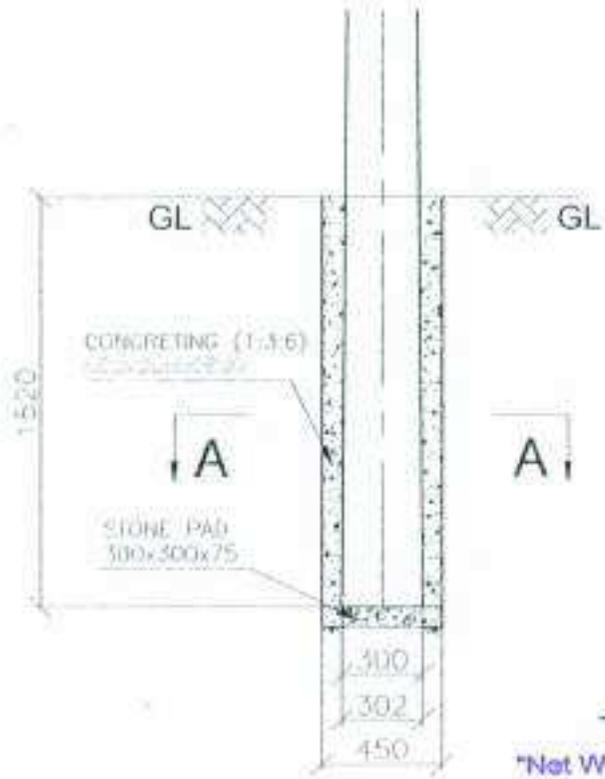
LOA No.	0900PVVNL-MT/IPDS/335/15-16 DT: 20/06/2016
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 11/F FLOOR, TOWER-1, CHAWA CENTRE, B-6, SECTOR-42, NOIDA-201301, U.P.
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	33KV, 11KV & LT LINE FOUNDATION DETAIL FOR LIM STEEL TUBULAR POLE
SCALE	HTS
SHEET NO.	1 OF 1
BOARDING No.	IPL-PVVNL-STP-11-FON-01-A

Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY
0	20/12/2016	Release for Approval	ADITYA BHATTI	SANDEEP K.R.	K. R. Prasad

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GTP Approved by IPDS/DDUGJY
Tender Spec No. PUVNL-MT/IPDS/335/15-16

S.NO.	DESCRIPTION	Vol: in ³ M
1	Excavation	0.323
2	Concreting (1:3:6)	0.276



APPROVED

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection.

NOTE: All Dimensions are in mm. Unless otherwise Specified.

PMA IPDS/DDUGJY
Ashish
RECPDCL

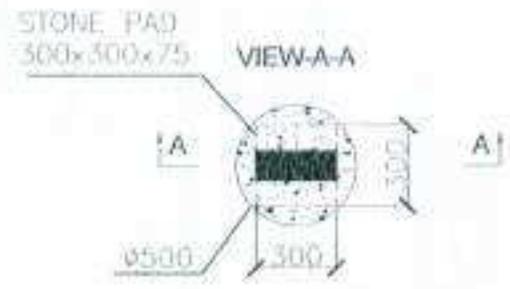
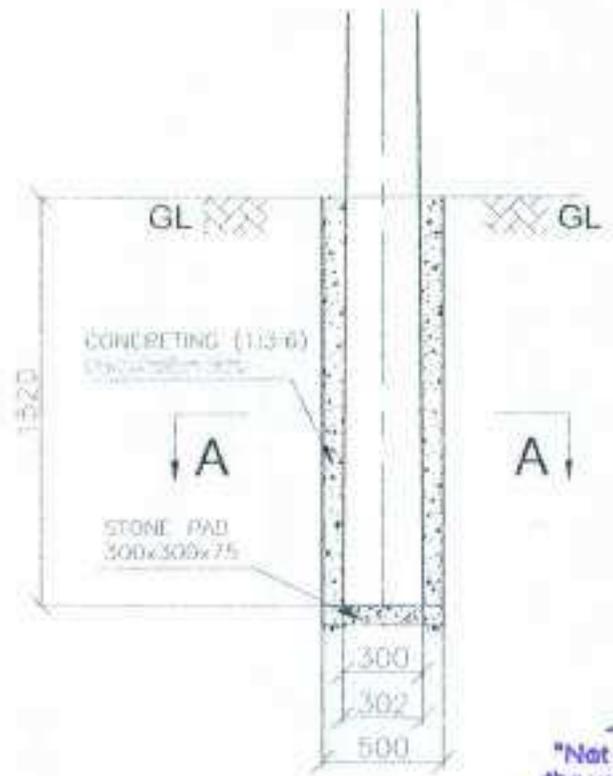


Slv	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY	SCALE	NTS	SHEET NO. 1 OF 1	DRAWING No. TPL-PUVNL-STP-8.5-FDN-01
1			ADITYA BHATT	SANDEEP KR	R. K. Pant				
2	20/02/2016	Release for Approval							

LOA No.	676/PUVNL-MT/000015/15-16 DT. 03.06.2015
OWNER:-	PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED 1st FLOOR TOWER-1 ZENITH CENTRE, D-5, SECTOR-62 NOIDA-201301, U.P.
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	10KV TRIVERTYLINE FOUNDATION DETAIL & M.F.CC POLE

GTP Approved in IPDS/DDUGJY
 Tender Spec. No. P.V.V.NI-MT/ITDS/335/15-16

S.NO.	DESCRIPTION	Vol. in ³ M
1	Excavation	0.313
2	Concreting (1:3:6)	0.268 0.268



APPROVED

Chief Engineer
 (Material Management)
 P.V.V.N.L., MEERUT

"Not Withstanding the aforesaid approval
 the entire responsibility of correctness and
 supply of material according to the
 Specification & Test report of GTP
 shall be that of..."

[Handwritten signature]

NOTE:-

All Dimensions are in mm. Unless otherwise Specified.

PMA IPDS/DDUGJY
[Signature]
 RECPDCL



LDA No.	0690PVVNL-MT/IPDS/335/15-16 DT. 20.06.2015
OWNER:-	PASCHIMANCHAL VIDYUT VITAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED INFLOOR, TOWER 1, OKAYA CENTRE, B-2, SECTOR-62, NOIDA-201301, U.P.
PROJECT	IPDS - Saharanpur Project
DESCRIPTION	SHEV. TRY & LYTING FOUNDATION DETAIL 6.5 M PUC POLE
SCALE	NTS
SHEET NO.	1 OF 1
DRAWING No.	TPL-PVVNL-STP-6.5-FCN-02

Rev	Date	Description	DRAWN BY	CHECKED BY	APPROVED BY
1	20/12/2014	Release for Approval	ADITYA BHATT	SANDEEP K.C.	K. R. Prasad

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF TATA PROJECTS LTD. IT SHALL NOT BE COPIED OR COMMUNICATED TO A THIRD PARTY WITHOUT THE PRIOR WRITTEN PERMISSION OF THE COMPANY.



दूरभाष / Ph.: 0121-2665734
 फोन / Fax: 0121-2666062
 CIN: U31200UP2003SGC027458

No.:20127 /PVVNL-MT/DDUGJY/351/15-16

Dated: 30.12.2016

Subject:- Approval of GTP/Drawing of Material/Equipment for Work of Rural Electrification works including 11 KV Feeder segregation, Sansad Adarsh Gram Yojana and other works on partial turnkey basis in District Meerut under DDUGJY Scheme of Government of India against tender No. PVVNL-MT/ DDUGJY/351/15-16.

M/s Larsen & Toubro Ltd.,
 Power Transmission &, Distribution
 PO Box 979, Mount Poonamallee Road,
 Manapakkam, Chennai-600089

Email: krj@lntec.com, akr@lntec.com
hojha@lntec.com

Dear Sir,

Please refer to your letter No. LTCD/PT&D/DDUGJY/Meerut/G/1017 dated 19.12.2016 regarding approval of the GTP & Drawing of the material & make as detailed below:-

Sl. No.	Material/equipment	Approved Vendor
1.	GA Drawings	M/s Larsen & Toubro, Chennai

This approval is subject to the following conditions:-

1. The said approval is with the condition the material supplied by the above firms may be sent by Managing Director, PVVNL, Meerut for testing by independent lab on firm's cost.
2. M/s Larsen & Toubro, Chennai is not blacklisted/Debarred by any Discom/Govt. Organization.

Correction wherever required in Drawings submitted by the contractor has been done by red ink. However, these Drawings shall be subjected to the correctness as per technical specification of the SBD of IPDS & DDUGJY / tender document and the entire responsibility of the correctness of the Drawings as per the specification as well as supply of material according to the technical specification of the contract agreement and these Drawing shall be that of the contractor.

In case of any contradiction between Drawings & Technical specification the version of the M.D. PVVNL, Meerut shall be final and binding on both the parties. Contractor shall have to replace the material to the entire satisfaction of purchaser in case the drawing/material is not found suitable for use in the projects.

One copy of approved GTP and Drawings are enclosed herewith. This GTP and Drawing shall be treated as approved for all tenders under DDUGJY scheme only.

Encl: As above

Your's faithfully

(Anil Kumar)

Superintending Engineer (MM-2)

Dated: 30.12.2016

No.: 20127 /PVVNL-MT/DDUGJY/351/15-16

Copy forwarded to following for information and necessary action:

1. Chief Engineer, Meerut zone, Meerut.
2. SE (Equator), PVVNL, Meerut.
3. SE, EUDC/EDC, Meerut, Baghat
4. Project Manager M/s. REC, PDCL, (PMA for IPDS/DDUGJY)

(Anil Kumar)

Superintending Engineer (MM-2)

GTP Approved in IPDS/DDUGJY

Spec No: NVNL-MT/DOUGJY/351/15-16

BILL OF MATERIAL

Sl. No	DESCRIPTION	UOM	QTY
01	PCC SUPPORT 8.5M POLE	Nos	02
02	TOP CHANNEL (23X203X5)	Nos	01
03	DO FUSE W/STAY CHANNEL	Nos	02
04	ANGLE 75X75X6 FOR TF MOUNTING	Nos	02
05	DISTRIBUTION TF	Nos	01
06	DO FUSE UNIT SERVICE	SET	01
07	DISTRIBUTION BOX	Nos	01
08	EARTHING RT (TREATED)	SET	02
09	Earthed RT (galvanized)	SET	02
10	BACK CLAMP FOR DO FUSE CHANNEL	Nos	04
11	BARBED WIRE	4kg	07
	STONE PAD	Nos	02
	BACK CLAMP FOR TOP CHANNEL	Nos	02
	STAY SET	Nos	04
	11KV/DSC INSULATOR WITH FITTING	SET	02
	DS MOUNTING CHANNEL	Nos	02
	BACK CLAMP FOR DISTRIBUTION BOX	Nos	02
	BACK CLAMP FOR DANGER BOARD	Nos	01
	LT PVC cable	20 m	20 m
	ACSR WEAGER CONDUCTOR		25 m

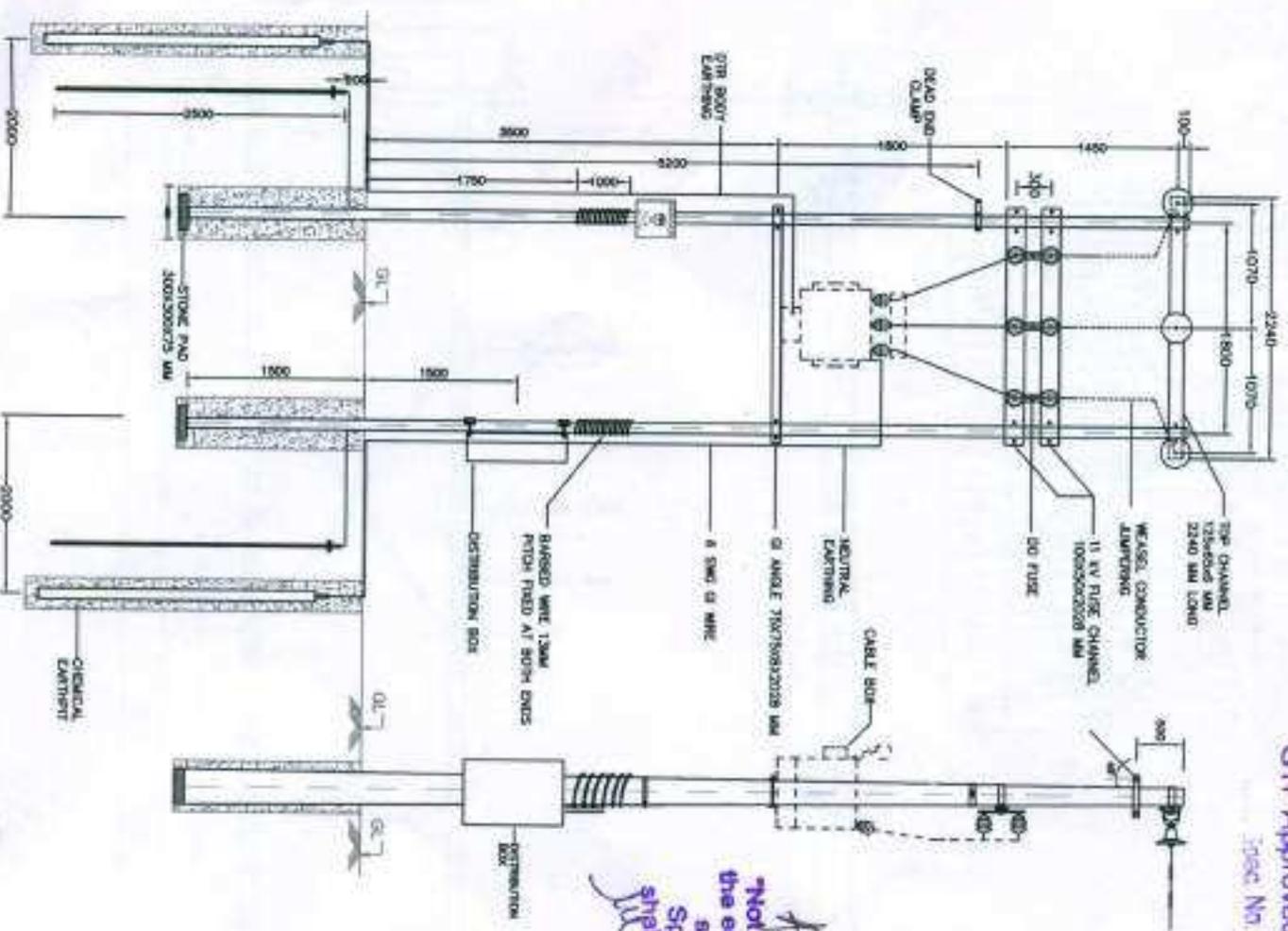
APPROVED

Chief Engineer
(Material Management)
P.V.V.N.L. MEERUT

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection.

PMA IPDS/DDUGJY

Actual
RECPDCL

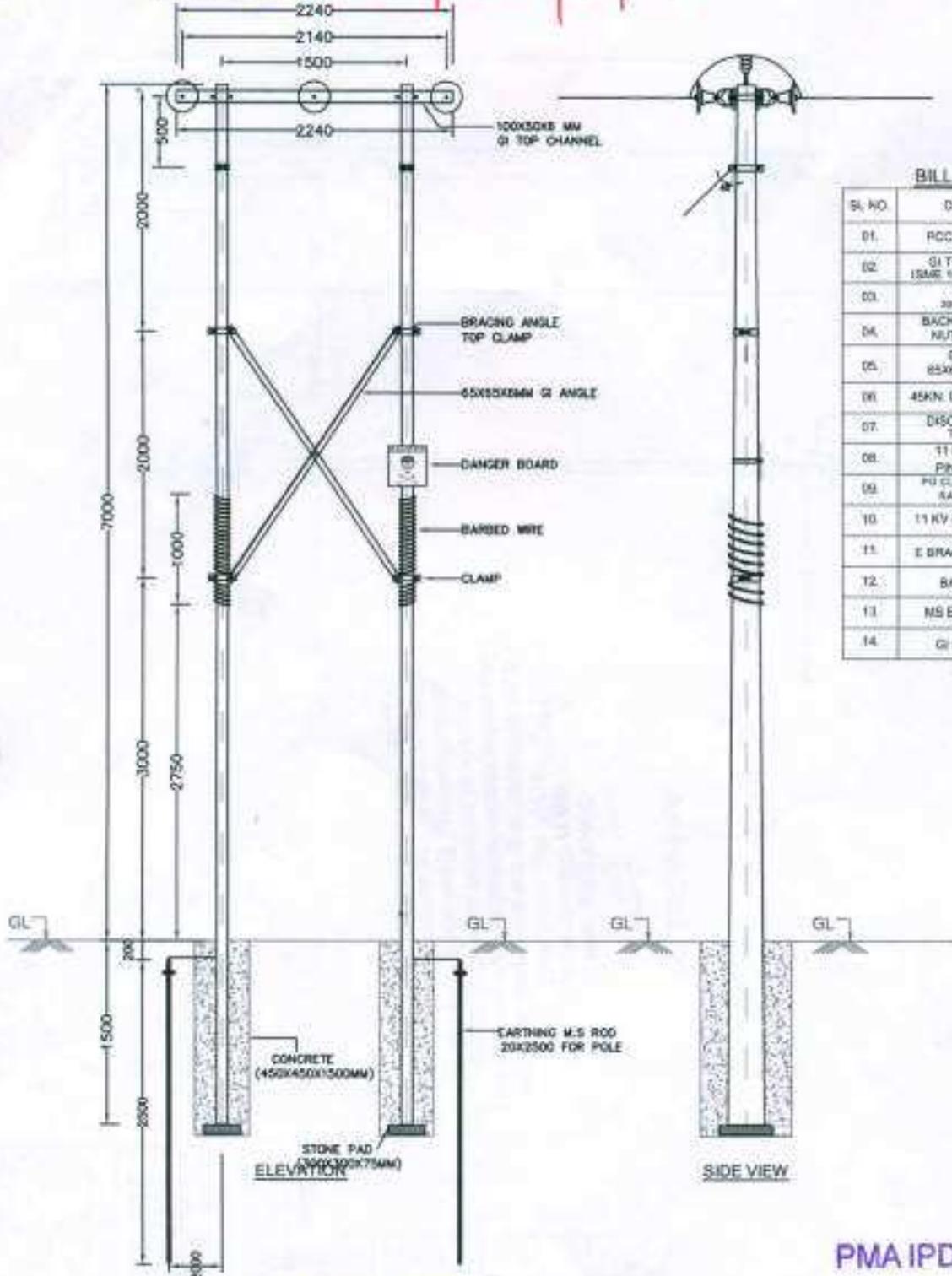


CONTRACTOR G & T Construction POWER TRANSMISSION & DISTRIBUTION		CLIENT POWER TRANSMISSION & DISTRIBUTION
PROJECT 11KV/25/8.5M DP STRUCTURE		DRAWING NO. DT MOUNTING ARRANGEMENT ON 8.5 M DP STRUCTURE
DATE 15/05/2016	SCALE 1:100	REV NO. 1

GTP Approved in IPDS/DDUGJY

Texasar Spec. No. PVVNL-MT/DDUGJY/351/15-16

This Drawing is the property of L & T Construction. Power Transmission & Distribution and shall remain as a property of L & T Construction. No part of this drawing is to be copied or otherwise made use of in any part or in full without the prior permission in writing.



BILL OF MATERIAL

Sl. NO.	DESCRIPTION	UOM	QTY
01.	PCC POLE 8.5 Mtr	Nos	02
02.	GI TOP CHANNEL (SAME 100X50X6mm)	Nos	01
03.	STONE PAD 300X300X75 mm	Nos	02
04.	BACK CLAMP WITH NUT AND BOLTS	Nos	02
05.	G.I. ANGLE 65X65X6X2700mm	Nos	02
06.	45KN DISC INSULATOR	Nos	06
07.	DISC FITTING T&C TYPE 45KN	Nos	06
08.	11 KV POLYMER PIN INSULATOR	Nos	03
09.	PU CLAMPS FOR 11KV (S&B/WEASEL)	Nos	06
10.	11 KV DANGER BOARD	Nos	01
11.	E BRACKET FOR 11 KV	Nos	03
12.	BARBED WIRE	Kg.	04
13.	MS EARTHING ROD	Nos	02
14.	GI EARTH WIRE	Nos	02

APPROVED

**Chief Engineer
(Material Management)
P.V.V.N.L., MEERUT**

"Not Withstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTP shall be that of the contractor which is to be checked during inspection."

PMA IPDS/DDUGJY

Ashish
RECPDCL

CONTRACTOR: **L & T Construction**
 CLIENT: PARISHRAMANAL VEDYUT VYAKARAN LIMITED
 PROJECT: RURAL ELECTRIFICATION WORK AT MEERUT DISTRICT BY PVVNL OF U. P. STATE UNDER DDUGJY SCHEME

BY	NAME	SDM	DATE
DRWN	WS		
CHKD	NSH		
APPD	LNM		
APPD	LNM		

11KV SECTION
DP ARRANGEMENT
WITH 8.5M PCC POLE

SCALE: 1/100
 REV. NO: 2
 DRAWING NUMBER: LNT/PVVNL/DDUGJY/MEERUT/GA-02

NOTES:

1. ALL DIMENSIONS ARE IN MM

REV	DATE	BY	DESCRIPTION
01			ISSUED FOR TENDERS
02			REVISED DRAWING
03			REVISED DRAWING
04			REVISED DRAWING
05			REVISED DRAWING
06			REVISED DRAWING
07			REVISED DRAWING
08			REVISED DRAWING
09			REVISED DRAWING
10			REVISED DRAWING

PROJECT: 80KV ELECTRICAL WORK AT KERALA DISTRICT
 CLIENT: KERALA STATE ELECTRICITY BOARD
 DRAWING NO: 80KV/15-16

GENERAL ARRANGEMENT OF
 11KV LINE WITH V CROSS ARM
 ON 8.5M PCC POLE

NOTES:
 1. ALL DIMENSIONS ARE IN MM.

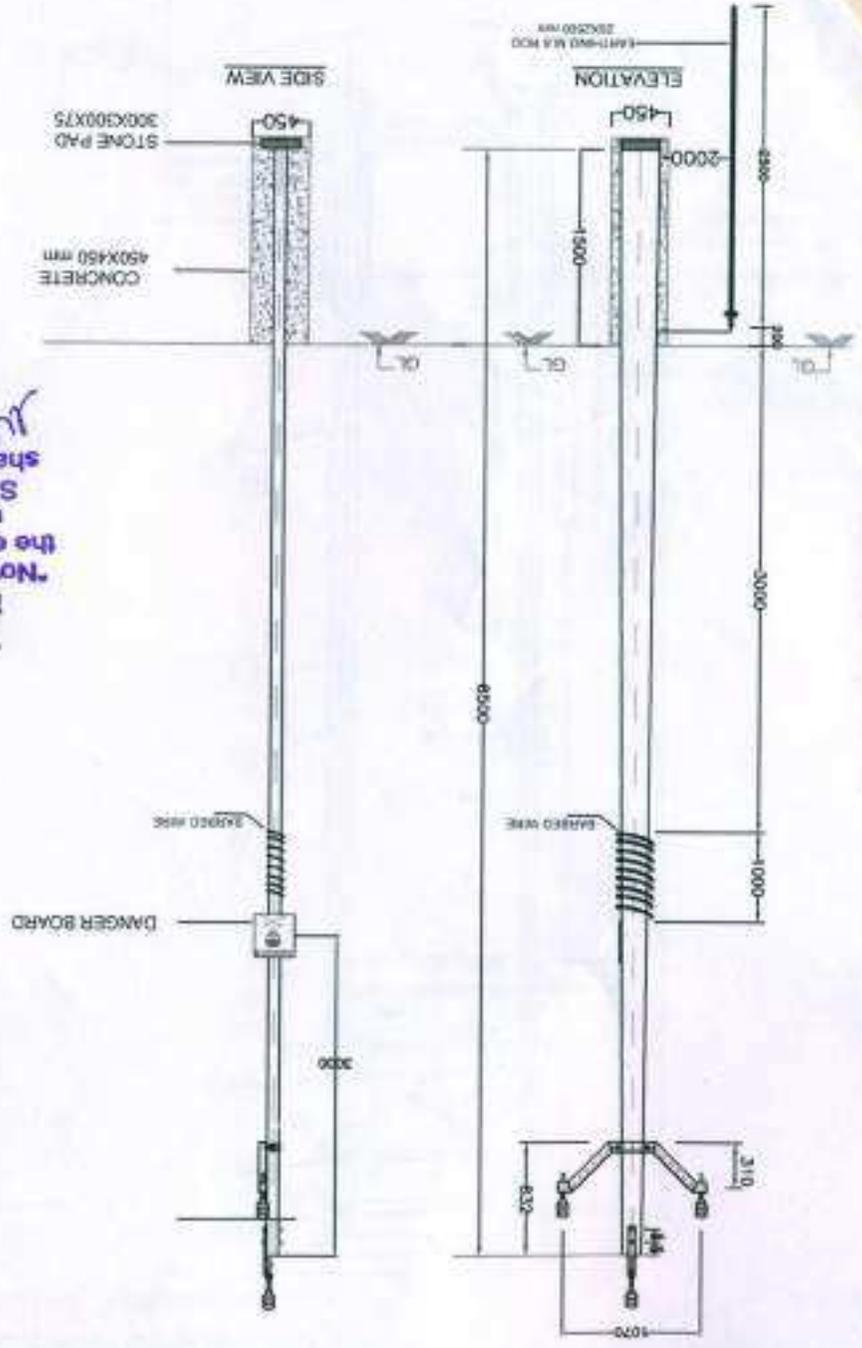
SL NO	DESCRIPTION	QTY	UNIT
01	V CROSS ARM	MM	01
02	BACK CLAMP	MM	01
03	FOR V CROSS ARM	MM	01
04	T-SOCKET	MM	01
05	PULLER TYPE	MM	02
06	INSULATOR	MM	02
07	BARBED WIRE	KG	03
08	DAWSEL BOARD	MM	01
09	SECTION WIRE	MM	01
10	EARTH ELECTRODE	MM	01
11	PCC POLE	MM	01
12	STONE PAD	MM	01

BILL OF MATERIAL

Chief Engineer
 (Material Management)
 P.V.V.N.L. MEERUT

Notwithstanding the aforesaid approval
 the entire responsibility of correctness and
 supply of material according to the
 Specification / Type test report / GTP
 shall be that of the contractor which is to
 be checked during inspection.

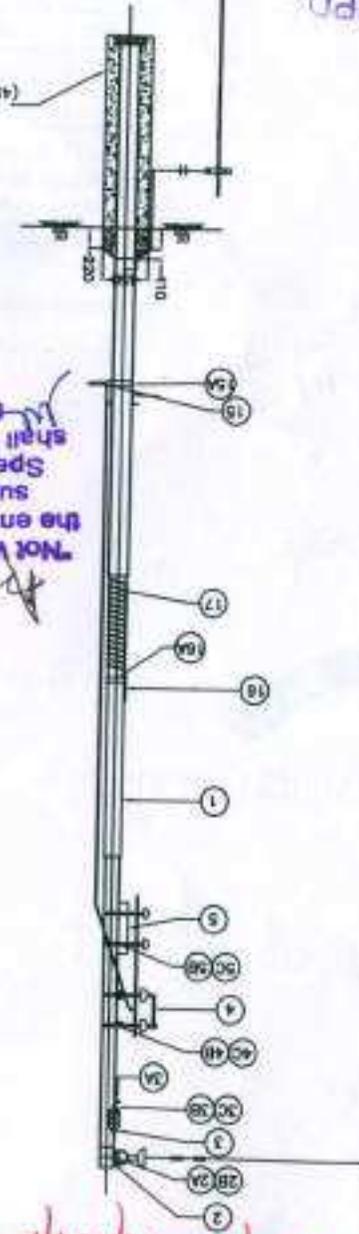
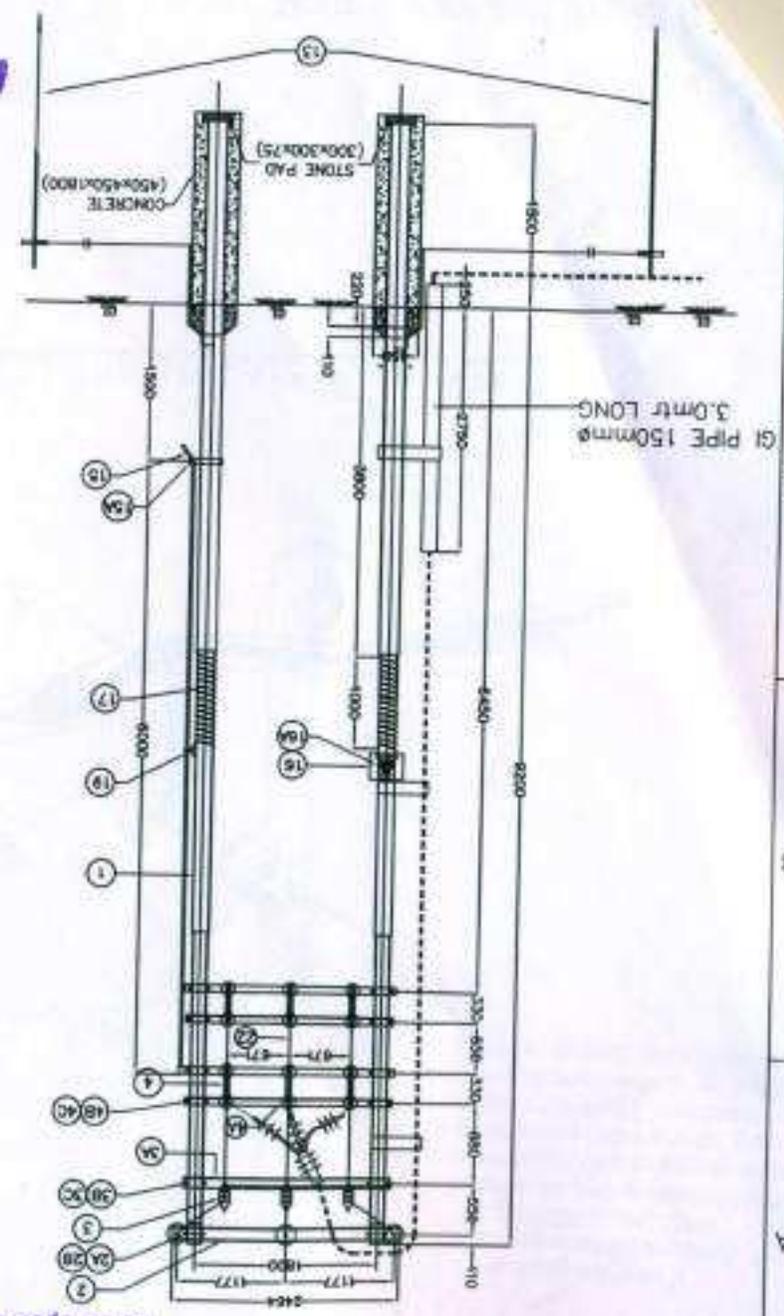
APPROVED



GTP Approved in IPDS/DDUGJY
 Issued Spec No. P.V.V.N.L.-M7/DDUGJY/35/15-16

PMA IPDS/DDUGJY
 RECEIVED

Dimensions are in mm.



RECPDCL
Kshel

PMA IPDC

GTP Approved in IPDS/DBUGY
Tender Spec No. P/VNLT-MT/DBUGY/25/1/F-16

DRAWING NUMBER: LNT/VNLT/DBUGY/25/1/F-16	
REV NO	0
SCALE	1:100
SIZE	A4
DATE	
REV	LMH
CHKD	NSH
DRWN	VKS
BY	NAME: SQH

PROJECT: RURAL ELECTRIFICATION WORK AT WHEAT/DISTRICT IN
CLIENT: PASCHAMANGAL, VIJAY VEEHAN NGUYEN LIMITED
CONTRACTOR: L & T Construction

S.NO.	DESCRIPTION	QTY.
1	50P POLE PIER	2 NOS.
2	TOP CHANNEL, 125x52x20 mm	1 NO.
3	TOP CHANNEL, EACH CLAMP ITEM 2	2 NOS.
3A	CL BOLTS, NUTS & WASHERS FOR ITEM 3A (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
3	UPWARD ARRESTOR 9 KV	2 NOS.
3A	WOODING CHANNEL FOR 1A (100x50x3) CHANNEL	1 NO.
3B	CLAMP FOR ITEM 3A (DOOR THE FLAT)	2 NOS.
3C	CL BOLT, NUTS & WASHERS FOR ITEM 3B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
4	1" P.M.O.	1 NO.
4A	SUPPORT/SHADE CHANNEL FOR 1" P.M.O. (100 x 50 x 2) CHANNEL	2 NOS.
4B	CLAMP FOR ITEM 4A (DOOR THE FLAT)	4 NOS.
4C	CL BOLT, NUTS & WASHERS FOR ITEM 4B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
5	50.0 PIPE UNIT	2 NOS.
5A	WOODING BRACKET FOR GI PIPE (WOODING CHANNEL)	1 NO.
5B	CLAMP FOR ITEM 5A (DOOR THE FLAT)	2 NOS.
5C	BOLTS, NUTS & WASHERS FOR ITEM 5B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
6	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
6A	CLAMP FOR ITEM 6A (DOOR THE FLAT)	2 NOS.
6B	BOLTS, NUTS & WASHERS FOR ITEM 6B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
7	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
7A	CLAMP FOR ITEM 7A (DOOR THE FLAT)	2 NOS.
7B	BOLTS, NUTS & WASHERS FOR ITEM 7B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
8	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
8A	CLAMP FOR ITEM 8A (DOOR THE FLAT)	2 NOS.
8B	BOLTS, NUTS & WASHERS FOR ITEM 8B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
9	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
9A	CLAMP FOR ITEM 9A (DOOR THE FLAT)	2 NOS.
9B	BOLTS, NUTS & WASHERS FOR ITEM 9B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
10	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
10A	CLAMP FOR ITEM 10A (DOOR THE FLAT)	2 NOS.
10B	BOLTS, NUTS & WASHERS FOR ITEM 10B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
11	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
11A	CLAMP FOR ITEM 11A (DOOR THE FLAT)	2 NOS.
11B	BOLTS, NUTS & WASHERS FOR ITEM 11B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
12	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
12A	CLAMP FOR ITEM 12A (DOOR THE FLAT)	2 NOS.
12B	BOLTS, NUTS & WASHERS FOR ITEM 12B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
13	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
13A	CLAMP FOR ITEM 13A (DOOR THE FLAT)	2 NOS.
13B	BOLTS, NUTS & WASHERS FOR ITEM 13B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
14	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
14A	CLAMP FOR ITEM 14A (DOOR THE FLAT)	2 NOS.
14B	BOLTS, NUTS & WASHERS FOR ITEM 14B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
15	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
15A	CLAMP FOR ITEM 15A (DOOR THE FLAT)	2 NOS.
15B	BOLTS, NUTS & WASHERS FOR ITEM 15B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
16	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
16A	CLAMP FOR ITEM 16A (DOOR THE FLAT)	2 NOS.
16B	BOLTS, NUTS & WASHERS FOR ITEM 16B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
17	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
17A	CLAMP FOR ITEM 17A (DOOR THE FLAT)	2 NOS.
17B	BOLTS, NUTS & WASHERS FOR ITEM 17B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
18	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
18A	CLAMP FOR ITEM 18A (DOOR THE FLAT)	2 NOS.
18B	BOLTS, NUTS & WASHERS FOR ITEM 18B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
19	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
19A	CLAMP FOR ITEM 19A (DOOR THE FLAT)	2 NOS.
19B	BOLTS, NUTS & WASHERS FOR ITEM 19B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
20	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
20A	CLAMP FOR ITEM 20A (DOOR THE FLAT)	2 NOS.
20B	BOLTS, NUTS & WASHERS FOR ITEM 20B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
21	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
21A	CLAMP FOR ITEM 21A (DOOR THE FLAT)	2 NOS.
21B	BOLTS, NUTS & WASHERS FOR ITEM 21B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
22	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
22A	CLAMP FOR ITEM 22A (DOOR THE FLAT)	2 NOS.
22B	BOLTS, NUTS & WASHERS FOR ITEM 22B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
23	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
23A	CLAMP FOR ITEM 23A (DOOR THE FLAT)	2 NOS.
23B	BOLTS, NUTS & WASHERS FOR ITEM 23B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
24	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
24A	CLAMP FOR ITEM 24A (DOOR THE FLAT)	2 NOS.
24B	BOLTS, NUTS & WASHERS FOR ITEM 24B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
25	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
25A	CLAMP FOR ITEM 25A (DOOR THE FLAT)	2 NOS.
25B	BOLTS, NUTS & WASHERS FOR ITEM 25B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
26	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
26A	CLAMP FOR ITEM 26A (DOOR THE FLAT)	2 NOS.
26B	BOLTS, NUTS & WASHERS FOR ITEM 26B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
27	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
27A	CLAMP FOR ITEM 27A (DOOR THE FLAT)	2 NOS.
27B	BOLTS, NUTS & WASHERS FOR ITEM 27B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
28	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
28A	CLAMP FOR ITEM 28A (DOOR THE FLAT)	2 NOS.
28B	BOLTS, NUTS & WASHERS FOR ITEM 28B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
29	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
29A	CLAMP FOR ITEM 29A (DOOR THE FLAT)	2 NOS.
29B	BOLTS, NUTS & WASHERS FOR ITEM 29B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
30	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
30A	CLAMP FOR ITEM 30A (DOOR THE FLAT)	2 NOS.
30B	BOLTS, NUTS & WASHERS FOR ITEM 30B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
31	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
31A	CLAMP FOR ITEM 31A (DOOR THE FLAT)	2 NOS.
31B	BOLTS, NUTS & WASHERS FOR ITEM 31B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
32	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
32A	CLAMP FOR ITEM 32A (DOOR THE FLAT)	2 NOS.
32B	BOLTS, NUTS & WASHERS FOR ITEM 32B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
33	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
33A	CLAMP FOR ITEM 33A (DOOR THE FLAT)	2 NOS.
33B	BOLTS, NUTS & WASHERS FOR ITEM 33B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
34	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
34A	CLAMP FOR ITEM 34A (DOOR THE FLAT)	2 NOS.
34B	BOLTS, NUTS & WASHERS FOR ITEM 34B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
35	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
35A	CLAMP FOR ITEM 35A (DOOR THE FLAT)	2 NOS.
35B	BOLTS, NUTS & WASHERS FOR ITEM 35B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
36	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
36A	CLAMP FOR ITEM 36A (DOOR THE FLAT)	2 NOS.
36B	BOLTS, NUTS & WASHERS FOR ITEM 36B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
37	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
37A	CLAMP FOR ITEM 37A (DOOR THE FLAT)	2 NOS.
37B	BOLTS, NUTS & WASHERS FOR ITEM 37B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
38	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
38A	CLAMP FOR ITEM 38A (DOOR THE FLAT)	2 NOS.
38B	BOLTS, NUTS & WASHERS FOR ITEM 38B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
39	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
39A	CLAMP FOR ITEM 39A (DOOR THE FLAT)	2 NOS.
39B	BOLTS, NUTS & WASHERS FOR ITEM 39B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
40	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
40A	CLAMP FOR ITEM 40A (DOOR THE FLAT)	2 NOS.
40B	BOLTS, NUTS & WASHERS FOR ITEM 40B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
41	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
41A	CLAMP FOR ITEM 41A (DOOR THE FLAT)	2 NOS.
41B	BOLTS, NUTS & WASHERS FOR ITEM 41B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
42	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
42A	CLAMP FOR ITEM 42A (DOOR THE FLAT)	2 NOS.
42B	BOLTS, NUTS & WASHERS FOR ITEM 42B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
43	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
43A	CLAMP FOR ITEM 43A (DOOR THE FLAT)	2 NOS.
43B	BOLTS, NUTS & WASHERS FOR ITEM 43B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
44	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
44A	CLAMP FOR ITEM 44A (DOOR THE FLAT)	2 NOS.
44B	BOLTS, NUTS & WASHERS FOR ITEM 44B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
45	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
45A	CLAMP FOR ITEM 45A (DOOR THE FLAT)	2 NOS.
45B	BOLTS, NUTS & WASHERS FOR ITEM 45B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
46	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
46A	CLAMP FOR ITEM 46A (DOOR THE FLAT)	2 NOS.
46B	BOLTS, NUTS & WASHERS FOR ITEM 46B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
47	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
47A	CLAMP FOR ITEM 47A (DOOR THE FLAT)	2 NOS.
47B	BOLTS, NUTS & WASHERS FOR ITEM 47B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
48	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
48A	CLAMP FOR ITEM 48A (DOOR THE FLAT)	2 NOS.
48B	BOLTS, NUTS & WASHERS FOR ITEM 48B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
49	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
49A	CLAMP FOR ITEM 49A (DOOR THE FLAT)	2 NOS.
49B	BOLTS, NUTS & WASHERS FOR ITEM 49B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET
50	WOODING BRACKET FOR 1" P.M.O. (WOODING CHANNEL)	1 NO.
50A	CLAMP FOR ITEM 50A (DOOR THE FLAT)	2 NOS.
50B	BOLTS, NUTS & WASHERS FOR ITEM 50B (M8x50 LONG BOLTS NUT AND WASHER)	4 SET

Chief Engineer
(Material Management)
P.V.N.T. MERRU
Not Withstanding the above approval,
the entire responsibility of the supply of material, according to the Specification / Type test report / ISI shall be that of the contractor. It shall be checked during inspection.

APPROVED

The Drawing is the property of L & T Construction, Power Transmission & Distribution and must not be passed on to any person or body, not authorized by us to receive or use in whole or in part. If any person or body, without our prior permission is writing.

NOTE:- All Dimensions are in mm.

RECEIVED
Handwritten signature
 PMA IPDS/DDUGY

DRAWING NUMBER, INT/PVNL / DDUGY / MBERGT / GA-05	REVISION	SCALE	SIZE
	0	1:100	A4
		LNM	APPD
		LNM	REV
		NSH	CHKD
	VKS	DRWN	
	NAME	BY	
	SIGN		

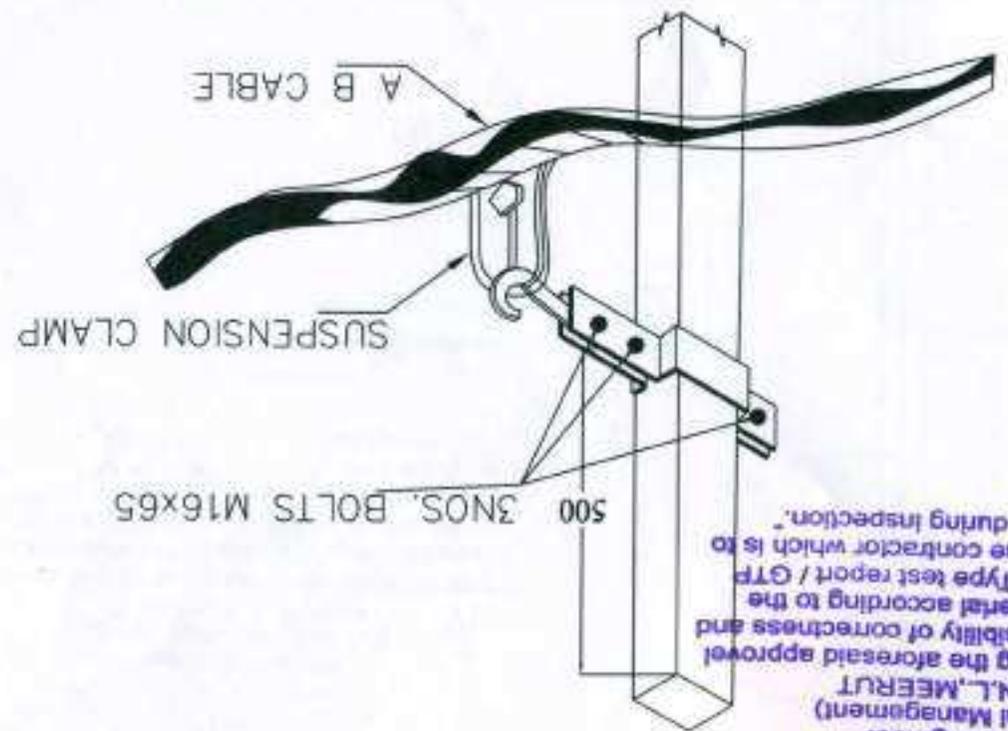
PROJECT : RURAL ELECTRIFICATION WORK AT MEERUT DISTRICT
 PVNL OF U.P. STATE UNDER DDUGY SCHEME

CONTRACTOR: **L & T Construction**
 POWER TRANSMISSION & DISTRIBUTION

CLIENT: PASHCHIMANCHAL VIDYUT VITAN NIGAM LIMITED

PROJECTION:

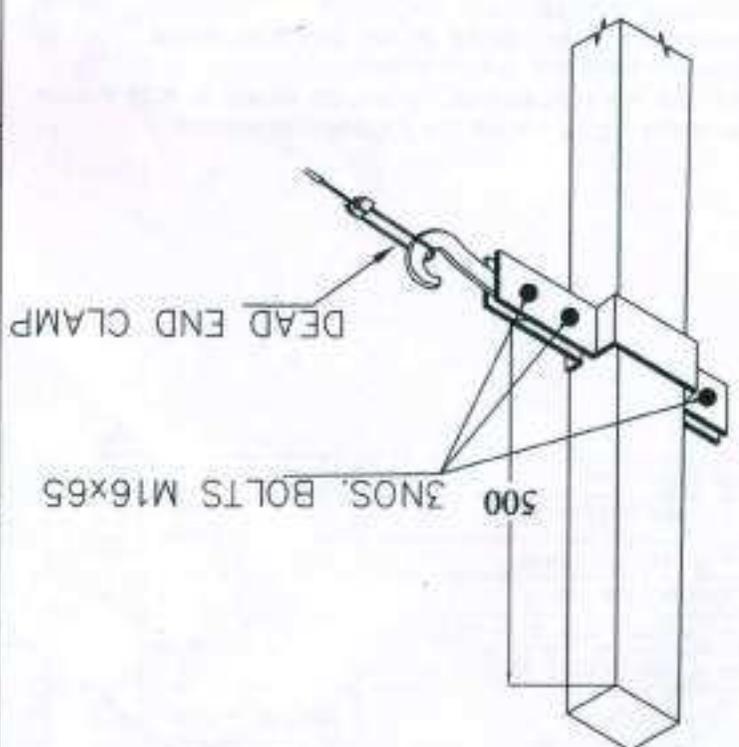
LT ABC WITH SUSPENSION CLAMP



APPROVED
 Chief Engineer
 (Material Management)
 P.V.N.L. MEERUT

Notwithstanding the aforesaid approval
 the entire responsibility of correctness and
 supply of material according to the
 Specification / Type test report / GTP
 shall be that of the contractor which is to
 be checked during inspection.

LT ABC WITH DEAD END CLAMP



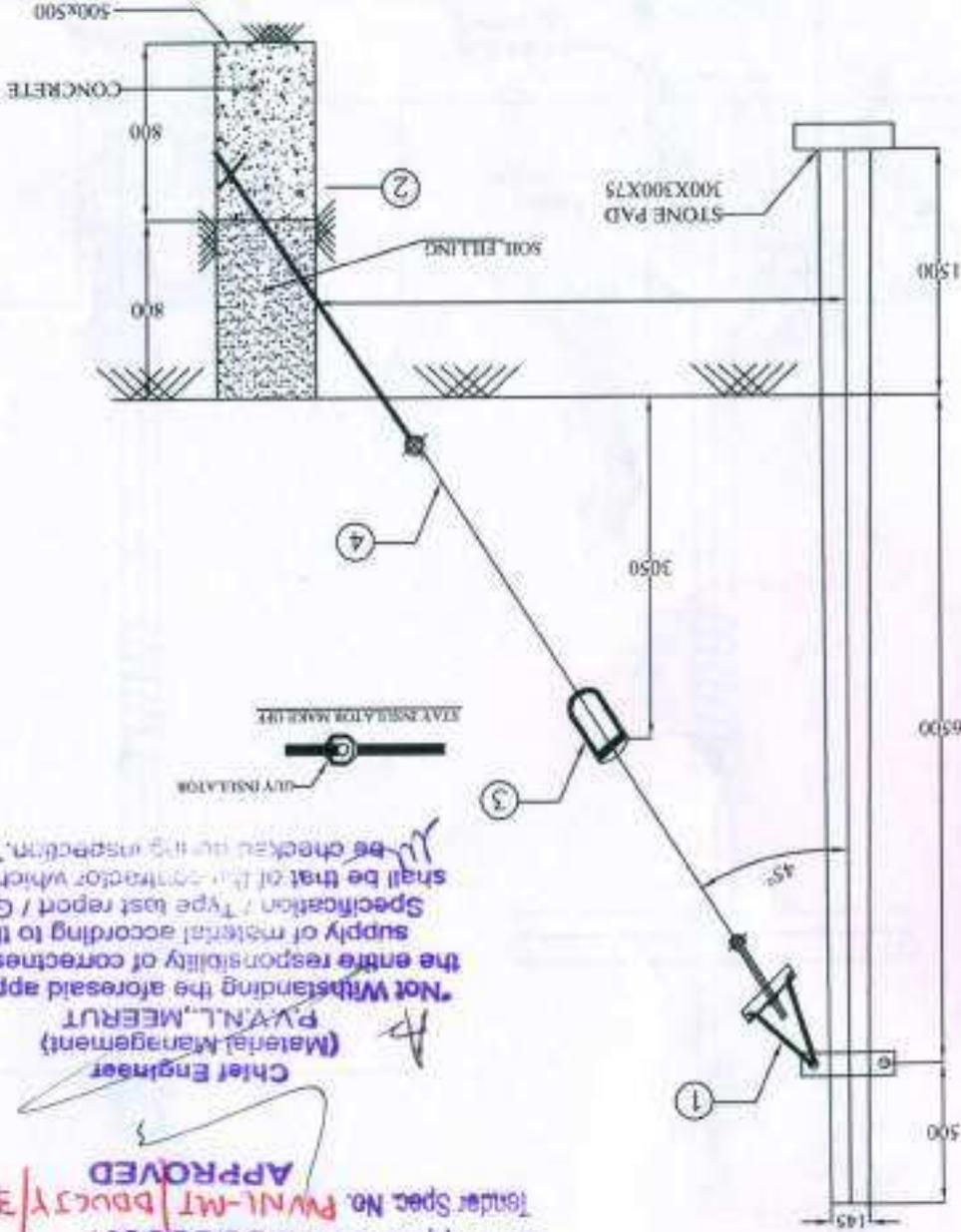
Tender Spec. No. **PVNL-M7/DDUGY/351/15-16**
 GTP Approved in IPDS/DDUGY

This Drawing is the property of L & T Construction, Power Transmission & Distribution and must not be passed on to any person or body not authorized by us to receive or use the copied or otherwise made either in full or in part by any person or body without our prior permission in writing.

All Dimensions are in mm.

RECPDCL
Handwritten signature

PMA IPDS/DD



Chief Engineer
 (Material Management)
 P.V.N.L. MEERUT
 Notwithstanding the aforesaid approval
 the entire responsibility of correctness and
 supply of material according to the
 Specification / Type last report / GTP
 shall be that of the contractor which is to
 be checked during inspection.

GTP Approved in IPDS/DDUGY
 Tender Spec No. P.V.N.L.-MT/DBUCSY/351/15-16
APPROVED

- NOTES:-
- 1) ALL DIMENSION ARE IN MM UNLESS OTHERWISE MENTIONED.
 - 2) ALL M/S ITEM SHALL BE HOT DIP GALVANISED AS PER IS 2629 & 4759
 - 3) M/S MATERIAL SHALL CONFORM TO IS: 2062
 - 4) GUY INSULATORS TO BE UTILISED AS PER SPECIFICATION FOR HT & LT LINES RESPECTIVELY.

BILL OF MATERIALS

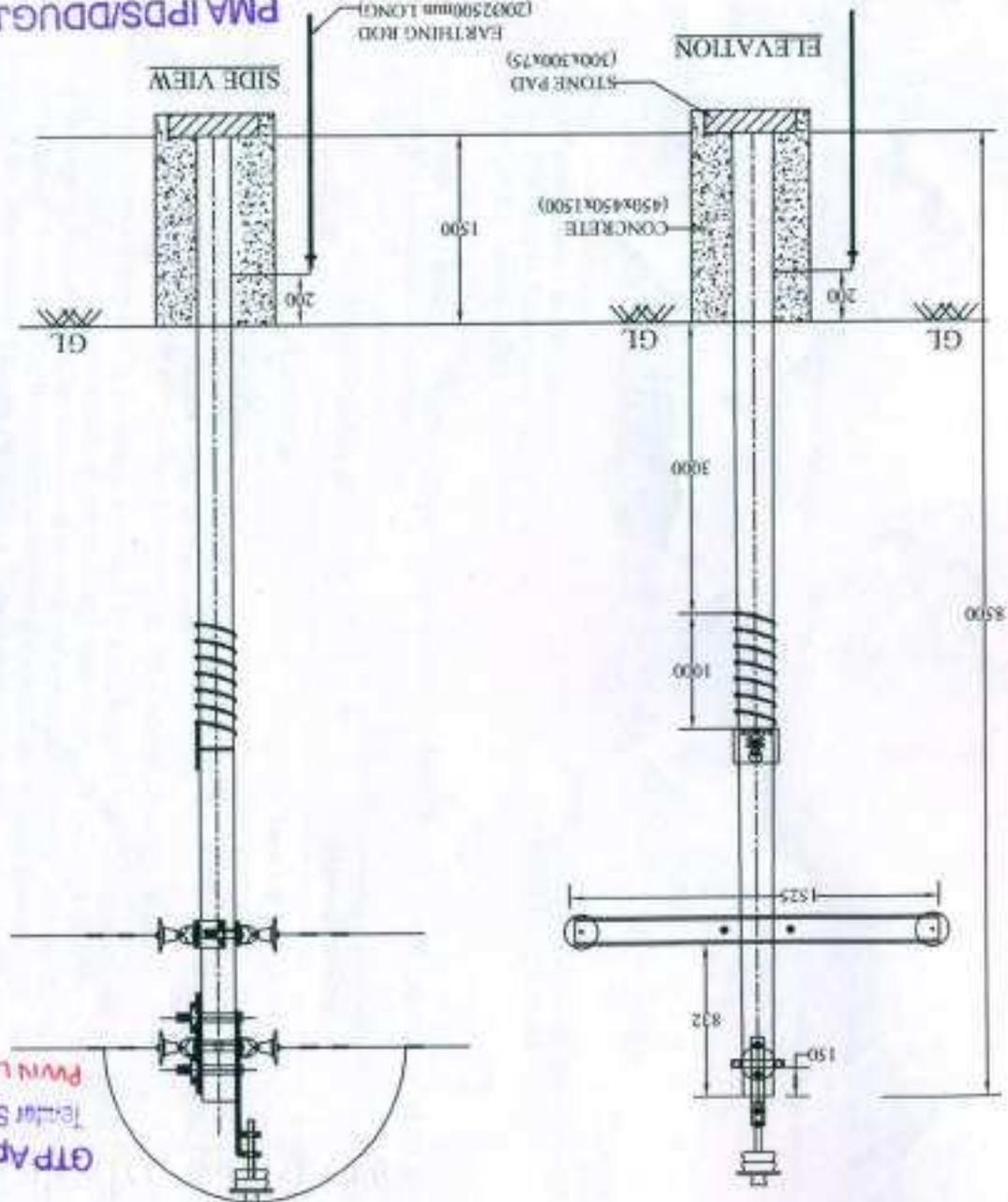
ITEM NO	DESCRIPTION	SECTION	MATERIAL	LENGTH MM	QTY.
1	TURN BUCKLE ASSEMBLY	GI			
2	ANCHOR ROD & ANCHOR PLATE	GI		1900	
3	ANCHOR ROD	GI			
4	ANCHOR PLATE	75MM	450X450		
5	GUY INSULATOR	7/3.15mm	GI		
6	STAY WIRE				

CONTRACTOR: L & T Construction POWER TRANSMISSION & DISTRIBUTION	CUSTOMER: PASCARANJANAL VEEDYUT VITHAN NIGAM LIMITED	PROJECT: RURAL ELECTRIFICATION WORK AT MEERUT DISTRICT IN P.V.N.L. STATE UNDER DDUGJY SCHEME
BY: _____	NAME: _____	SIGN: _____
CHKD: _____	WKS: _____	DRWN: _____
REV: _____	NSH: _____	LNM: _____
APPD: _____	LNM: _____	SCALE: _____
SIZE: _____	SCALE: _____	RENO: _____
A4	D	1:100
DRAWING NUMBER: _____	DATE: _____	PROJECT NO: _____

This Drawing is the property of L & T Construction, Power Transmission & Distribution and must not be copied or in any form or by any means without our prior permission in writing.

All Dimensions are in mm.

RECPDCL
P.V.N.L.
PMA IPDS/DDUGY



Chief Engineer
(Material Management)
P.V.N.L. MEERUT

Notwithstanding the aforesaid approval
the entire responsibility of correctness and
supply of material according to the
Specification / Type test report / GTP
shall be that of the contractor which is to
be checked during inspection.

APPROVED

GTP Approved in IPDS/DDUGY
Testor Spec. No.
P.V.N.L.-MT/DDUGY/351/15-16

SECTION POLE ARRANGEMENT ON 8.5MTR PCC POLE	BY	NAME	SIGN	DATE
	DRWN	VKS		
	CHKD	NSH		
	REV	LNM		
	APPD	LNM		
SIZE	M	SCALE	REV NO	0
1:100				
DRAWING NUMBER: LSI / P.V.N.L. / DDUGY / 351 / 15 / 16				

CONTRACTOR: **L & T Construction**
POWER TRANSMISSION & DISTRIBUTION

CLIENT: PARASHRAMACHAL VIDYUT VIKRAN NIGAM LIMITED

PROJECT: RURAL ELECTRIFICATION WORK AT MEERUT DISTRICT IN
P.V.N.L. STATE ENGINEERING SCHOOL

BILL OF MATERIALS	
1 No	PCC POLE 8.5M
1 No	POLE TOP CLAMP
1 No	SINGLE POLE SECTION CHANNEL 100x80x15.5MM
1 No	11KV PIN INSULATORS WITH PINS
5 Nos	11KV 45KN DISC INSULATOR
1 No	BACK CLAMP FOR CHANNEL
1 No	EARTHING ROD
AS REQUIRED	BOLTS, NUTS, CLAMPS ETC.
1 No	STONE PAD

This Drawing is the property of L & T Construction, Power Transmission & Distribution and shall not be used for any other purpose without the prior permission of the drawing office.

LEGEND:-

- CLUSTERS (M)
- EXISTING GROUND LEVEL
- FINISH
- CENTER TO CENTER
- CENTER LINE
- THICK
- TOP OF CONCRETE

NOTES:-

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. F.F.C. CORRESPONDS TO FINISHED GROUND LEVEL.
3. ALL URM CONCRETE SHALL BE OF RCC M75 (1:4:8).
4. ALL RCC USED SHALL BE OF GRADE M20.
5. ALL REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE T415 (CORRESPONDING TO IS 1786).
6. GRADE OF STRUCTURE STEEL SHALL BE MS STEEL GRADE (ISH) AS PER IS 2062-1982.
7. THE CLEAR COVER FOR REINFORCEMENT SHALL BE 40MM.
8. ALL HOOKS AND SPICES SHALL BE AS PER IS 456 & IS 2502 (I.S.O.).
9. WHEN NET SAFE BEARING CAPACITY IS CHECKED AS PER IS 6700 AT FINISHED LEVEL.
10. FOUNDATION LENGTH/DEPTH FOR REINFORCEMENT BARS SHALL BE 30CM OF BAR.
11. ALL GUTS BASED ON ACTUAL DIMENSION OF TRANSFORMER.

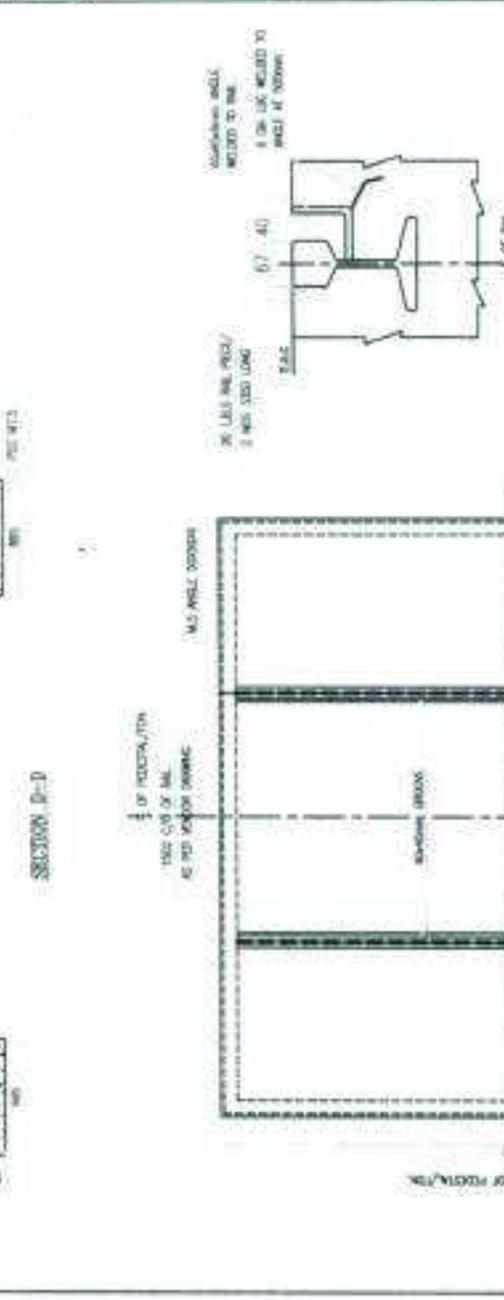
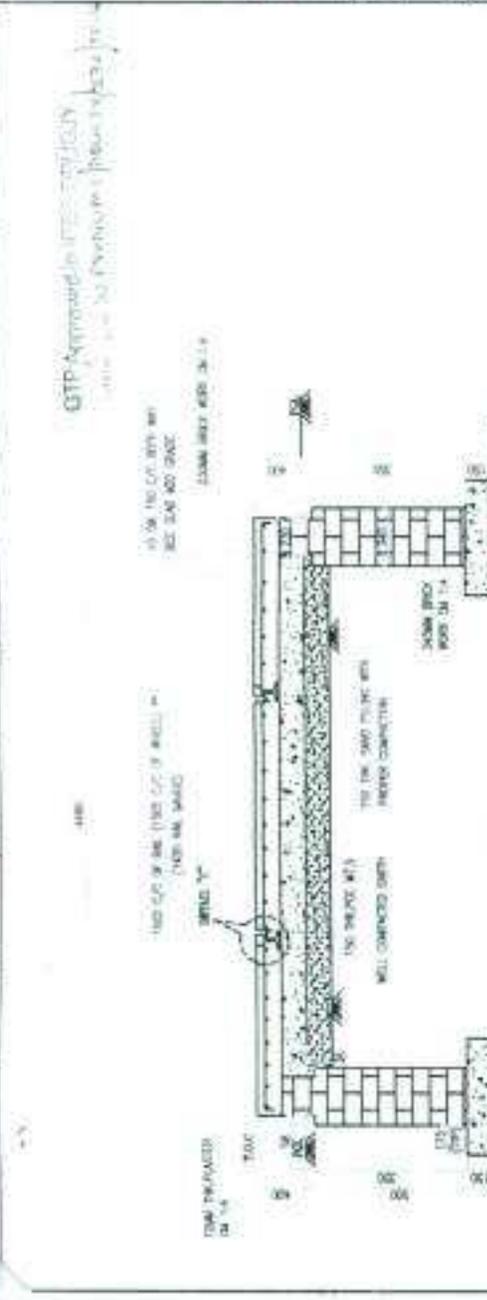
APPROVED

Chief Engineer
Material Management
P.V.V.N.L. MURUGUT

Not Withstanding the above approval the entire responsibility of correctness and supply of material according to the Specification / Type test report / GTR shall be that of the contractor which is to be checked during inspection.

DATE: 10/01/2024
PROJECT: TIRUPATI PROJECT
CONTRACTOR: SANYAL ENTERPRISES AND CONSTRUCTION, SRIHILLI
SITE: DETAIL OF FOUNDATION FOR 10MVA & 5MVA TRANSFORMER

APPROVAL	REVISION
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> TENDERS
<input type="checkbox"/> INFORMATION	<input type="checkbox"/> APPROVAL
<input type="checkbox"/> CONSTRUCTION	



CHECKED BY	NO.	DATE
ARCHITECTURAL	-	-
CIVIL/STRUCTURAL	-	-
MECHANICAL	-	-
ELECTRICAL	-	-
MECHANICAL	-	-
ELECTRICAL	-	-
MECHANICAL	-	-
ELECTRICAL	-	-
MECHANICAL	-	-
ELECTRICAL	-	-



दुस्वाम / Ph: 0121-2665734
फैक्स / Fax: 0121-2666062
CIN: U31200UP2003SGC027458

कार्यालय
Office of the :
उप निदेशक
MANAGING DIRECTOR
पश्चिमंचल विद्युत वितरण निगम लि.
Paschimanchal Vidyut Vitran Nigam Ltd.
विक्टोरिया पार्क, मेरठ
Victoria Park, MEERUT-250 001
CIN No. U31200UP2003SGC027458

No.:23476/ PVVNL-MT/ DDUGJY/15-16

Dated: 4.03.2017

Subject:- Approval of GTP/Drawing of Material/Equipment for Work of urban and rural electrification in PVVNL under IPDS and DDUGJY scheme

M/s Dynamic Power Solutions,
Mainapur Road, Industrial area, Merta
Ghaziabad, 201003

Email ID – dynamicpowersol@yahoo.com

Dear Sir,

Please refer to your letter No. Nil dated nil regarding approval of the GTP & Drawing of the material & make as detailed below:-

Sl. No.	Material/equipment	Approved Vendor
1.	MS Earthing rod	M/s Dynamic Power Solutions, Ghaziabad
	Steel Structures	

This approval is subject to the following conditions:-

1. The said approval is with the condition the material supplied by the above firms may be sent by Managing Director, PVVNL, Meerut for testing by independent lab on firm's cost.
2. M/s Dynamic Power Solutions, Ghaziabad is not blacklisted/Debarred by any Discom/Govt. Organization.

Correction wherever required in GTP & Drawing submitted by the contractor has been done by red ink However, these GTP & Drawing shall be subjected to the valid type test report and correctness as per technical specification of the SBD for IPDS/DDUGJY and tender document and the entire responsibility of the correctness of the GTP & Drawing as per the specification as well as supply of material according to the technical specification of the contract agreement and these GTP & Drawing shall be that of the contractor.

In case of any contradiction between GTP & Drawing & Technical specification the version of the M.D. PVVNL, Meerut shall be final and binding on both the parties. Contractor shall have to replace the material to the entire satisfaction of purchaser in case the material is not found suitable for use in the projects.

One copy of approved GTP and Drawings are enclosed herewith. This GTP and Drawing shall be treated as approved for all tenders under DDUGJY and IPDS scheme.

Encl: As above

Your's faithfully

(S K Singh)

Superintending Engineer (IPDS & DDUGJY)

No.:23476/ PVVNL-MT/ DDUGJY/15-16

Dated: 4.03.2017

Copy forwarded to following for information and necessary action:

1. Chief Engineer, Moradabad Zone, Moradabad.
2. SE (Equator), PVVNL, Meerut.
3. SE(EDC/EUDC), Moradabad/Rampur/Amroha/Bijnor/Sambhal.
4. Project Manager M/s. REC, PDCL, (PMA for IPDS/DDUGJY)

(S K Singh)

Superintending Engineer (IPDS & DDUGJY)

GTP Approved in IPDS/DDUGJY
Tender Spec. No. *PVVNL-MT*

GUARANTEED TECHNICAL PARTICULARS OF EARTHING ROD

<u>SL. NO.</u>	<u>PARTICULARS</u>	<u>NAME OF THE FIRM</u>	<u>DYNAMIC POWER SOLUTIONS MORTA GHAZIABAD 201003</u>
1	MATERIAL		MILD STEEL as per IS : 2062 <i>grade 'a'</i>
2	LENGTH OF M.S. EARTHING ROD		2540 MM
3	TOTAL WEIGHT OF M.S. EARTHING ROD		<i>Min.</i> 6.4 KG <i>without nut, bolt & washer</i>
4	DIAMETER OF M S ROD		20MM
5	SIZE OF FLAT		50X6MM
6	MATERIAL		M.S. ROUND 20 MM M.S. FLAT 50x6 MM
7	TOLERANCE		±2.5%

*Size of bolt & nut (with 2 nos. plain washer & 1 no. spring washer) -
M12 X 40mm*

PMA IPDS/DDUGJY

Ashish
RECPDCL

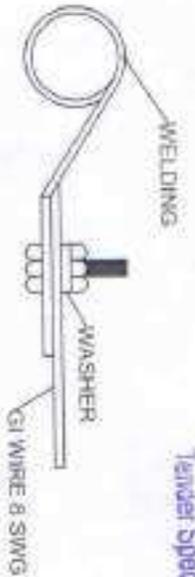
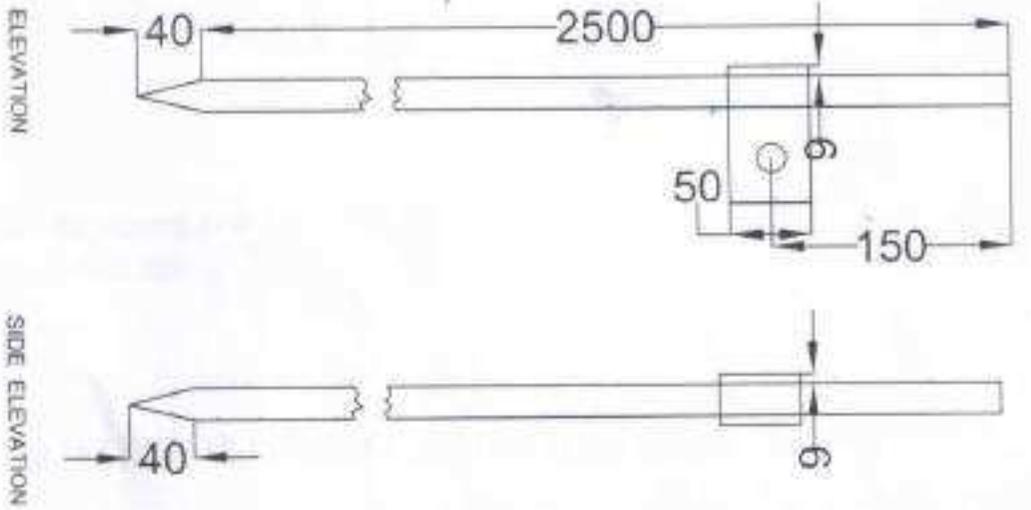


APPROVED

Chief Engineer
(IPDS/DDUGJY)
P.V.V.N.L., MEERUT

W
"Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is to be checked during inspection."

MS EARTHING ROD



Note: the end eye of GI Wire shall be finished by hammering to have proper contact surface with fat



PLAN

Note:
 1 DRAWING NOT TO SCALE
 2 ALL DIMENSIONS ARE IN MM
 3 VARIATION: +5% **2.5%**



DYNAMIC POWER SOLUTIONS
 MAINAPUR ROAD INDUSTRIAL AREA
 MORTA, GHAZIABAD

GTP Approved in IPDS/DDUGJY
 Tender Spec. No.

APPROVED

Chief Engineer
 (IPDS/DDUGJY)
 P.V.V.N.L. MEERUT

"Notwithstanding the aforesaid approval the entire responsibility of correctness and the supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is to be checked during inspection."

PMA/IPDS/DDUGJY
 RECPDCL

GTP Approved in IPDS/DDUGJY
Tender Spec. No.

GUARANTEED TECHNICAL PARTICULARS FOR 11 KV V TYPE "X" ARM

SL.NO.	NAME OF THE FIRM	DYNAMIC POWER SOLUTIONS GHAZIABAD
	PARTICULARS	
1	MATERIAL ISS NO.	
	(i) FOR MILD STEEL	MILD STEEL IS: 2062 <i>grade 'S'</i>
	(ii) FOR WELDING PURPOSE	IS: 823-1964/LATEST
	(iii) FOR ELECTRODES	IS: 814 PART1
2	SIZE OF M S ANGEL	65X65X6MM
3	TOTAL RUNNING LENGTH	As per drawing
4	TOTAL WEIGHT OF X ARM	9.1 KG
5	TOLERANCE	±2.5%
6	Make of Red Oxide Primer	Asian/Berger/Nerolac/Bristish

*All steel structure shall be hot dip galvanised.
Min zinc coating shall be 610gm/m²*

APPROVED

Chief Engineer
(IPDS/DDUGJY)
P.V.V.N.L., MEERUT

"Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is to be checked during inspection."



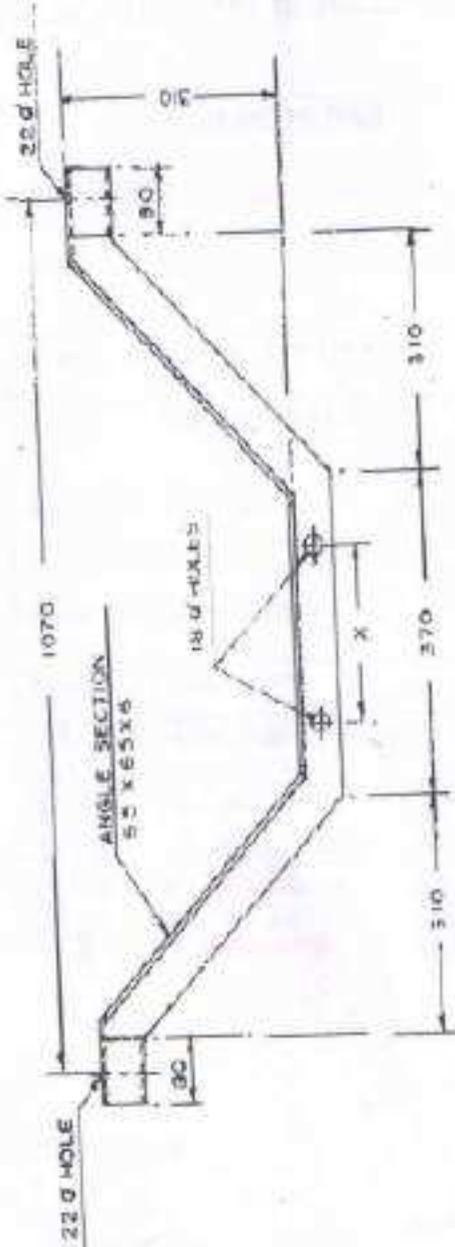
PMA IPDS/DDUGJY

Ashish
RECPDCL

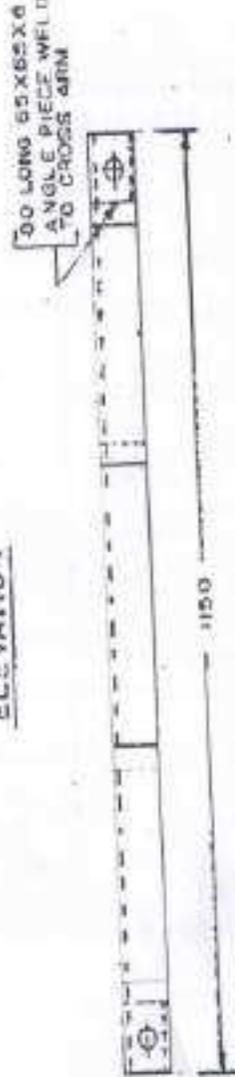
GTP Approved in IPDS/DDUGJY

Tender Spec. No.

11 KV LINE "V" TYPE X ARM (ANGEL SECTION 65X65X6)



ELEVATION



PLAN

APPROVED

Chief Engineer
(IPDS/DDUGJY)

P.V.V.N.L., MEERUT

"Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specifications/Type test report/GTP shall be that of the contractor which is to be checked during inspection."

Notes :-

1. All Dimensions are in MM.
2. Drawing not to SCALE.
3. All MS items shall be HOT Deep Galvanized.

Contractor Name	M/s. Omveer Singh, Bulandshahr
Customer / Client	Paschimanchal Vidyut Vitran Nigam Ltd.
Project Name	IPDS - Saharanpur Project
Supplier Name:-	Dynamic Power Solutions, Ghaziabad.
Title:-	11 KV LINE "V" TYPE X ARM (Angel Section - 65X65X6)



PMA IPDS/DDUGJY

Ashish
RECPDCL

GTP Approved in IPDS/DDUGJY

Tender Spec. No.

GUARANTEED TECHNICAL PARTICULARS FOR 33 KV V TYPE "X" ARM

SL.NO.	NAME OF THE FIRM	DYNAMIC POWER SOLUTIONS GHAZIABAD
	<u>PARTICULARS</u>	
1	MATERIAL ISS NO.	
	(i) FOR MILD STEEL	MILD STEEL IS: 2062 <i>grade 'a'</i>
	(ii) FOR WELDING PURPOSE	IS: 823-1964/LATEST
	(iii) FOR ELECTRODES	IS: 814 PART1
2	SIZE OF M S CHANNEL	100X50MM
3	Weight of channel in running meter	7.9 kg/mtr <i>9.57 kg/mtr</i>
4	TOTAL WEIGHT OF X ARM	16.55 KG <i>21 kg</i>
6	Make of Red oxide Primer	Asian/ Berger/Nerolac/British
7	Wheather ISS certification marks provided on Ms channel	NO
5	TOLERANCE in Dimension	±5%

*All steel structure shall be hot dip galvanized.
Min. zinc coating shall be 610gm/m².*

PMA IPDS/DDUGJY

Ashish
RECPDCL

APPROVED

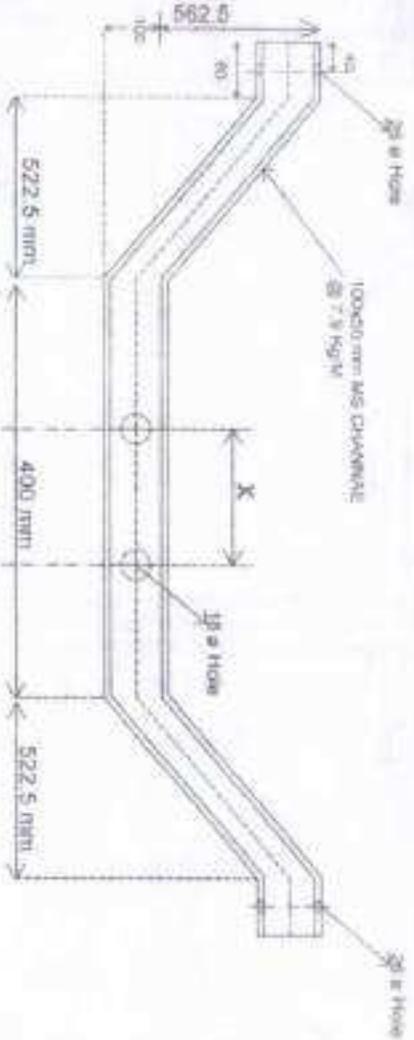
Chief Engineer
(IPDS/DDUGJY)
P.V.V.N.L., MEERUT

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is to



33 KV LINE "V" TYPE X ARM (100x50 CHANNEL 7.9Kg/m)

GTP Approved in IPDS/DDUGJY
Tender Spec. No.



- Notes:-
1. All Dimensions are in MM.
 2. Drawing not to SCALE.
 3. All MS items shall be HOT Dip Galvanized.

Contractor Name:	M/s. Omveer Singh, Bulandshahr
Customer / Client:	Paschimanchal Vidyut Vitran Nigam Ltd.
Project Name:	IPDS - Saharainpur Project
Supplier Name:-	Dynamic Power Solutions, Ghazabad.
Title:-	33 KV LINE "V" TYPE X ARM (100x50 CHANNEL)

PMA IPDS/DDUGJY

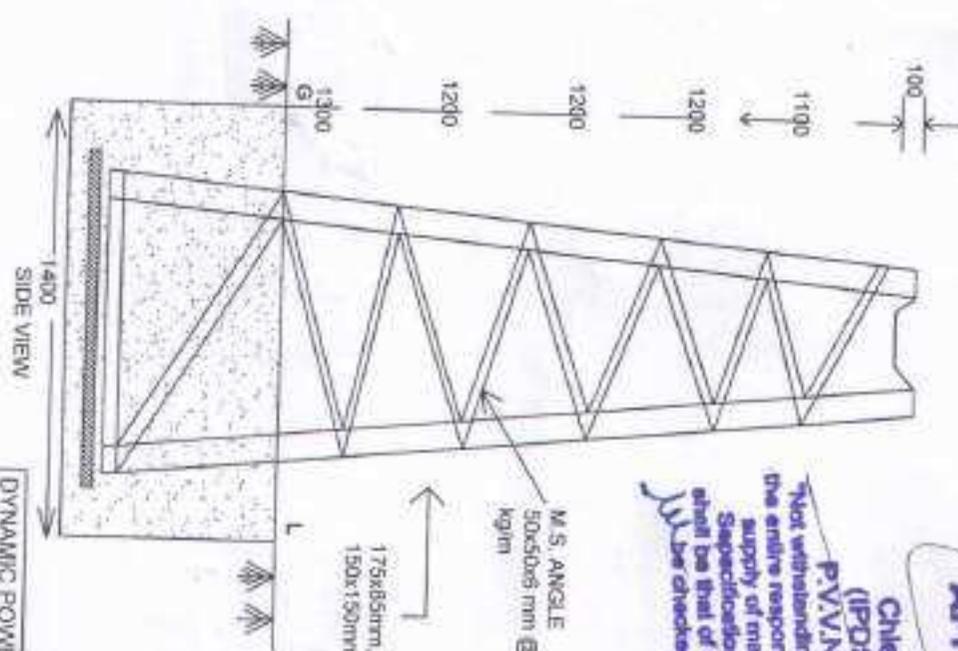
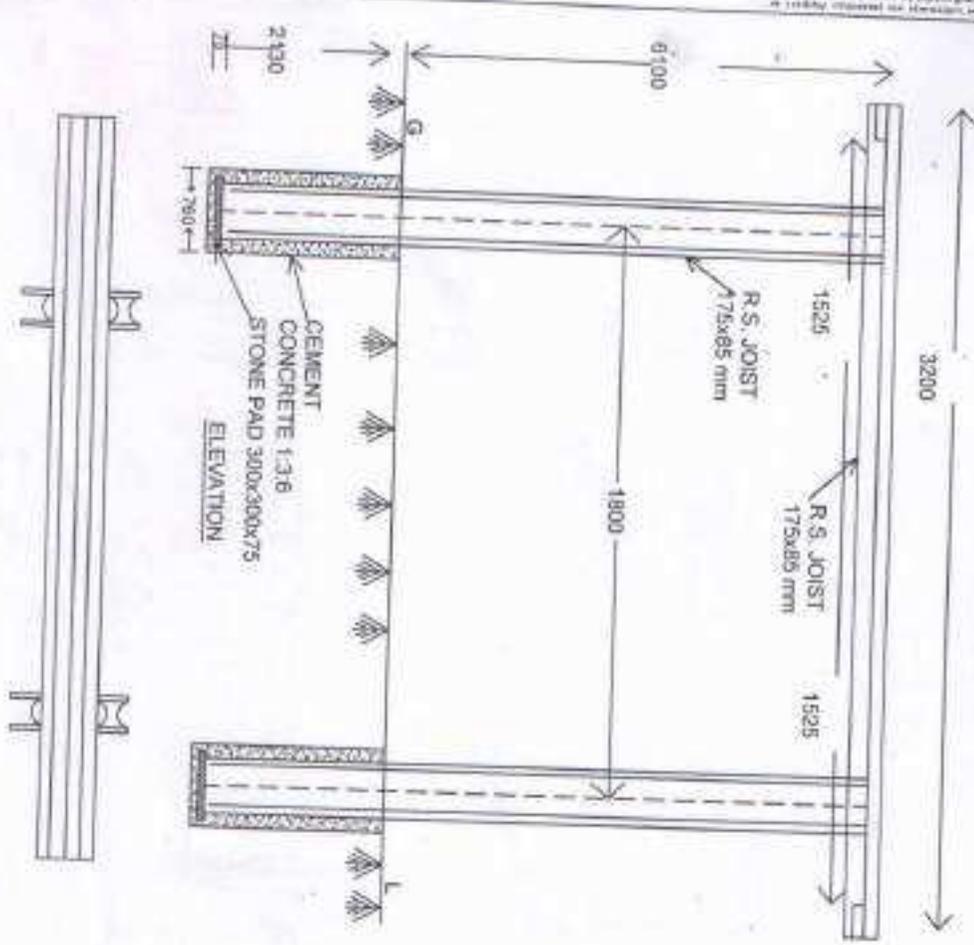
Aswika
RECPDCL



APPROVED
Chief Engineer
(IPDS/DDUGJY)
P.V.N.L. MEERUT

"Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specifications" via test report/GTP shall be that of the contractor which is to be observed during installation."

STRUCTURE FOR TERMINAL GANTRY



PMAIPDS/DBUGUY
Asst. Engr
RECPDCL



- NOTES:-**
1. ALL DIMENSIONS ARE IN MM
 2. DRAWING NOT TO SCALE
 3. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANIZED
 4. VARIATION - ± 5%

DYNAMIC POWER SOLUTIONS	
M/s. LT PANELS APFC PCC/UC, HILL LINE ADDERSHORES	
MOJKS, 01324 MAANAPUR INDUS. AREA	
MOORVA, GANZAMBAD, 201003	
EMAIL: info@dpnsolutions.in	
CUID:- 9870920000	
Panchajanya Veda Vignana Lalitha	
PROJECT: PDL - MAANAPUR PROJECT	
TITLE: Structure For 33KV TERMINAL GANTRY	

APPROVED

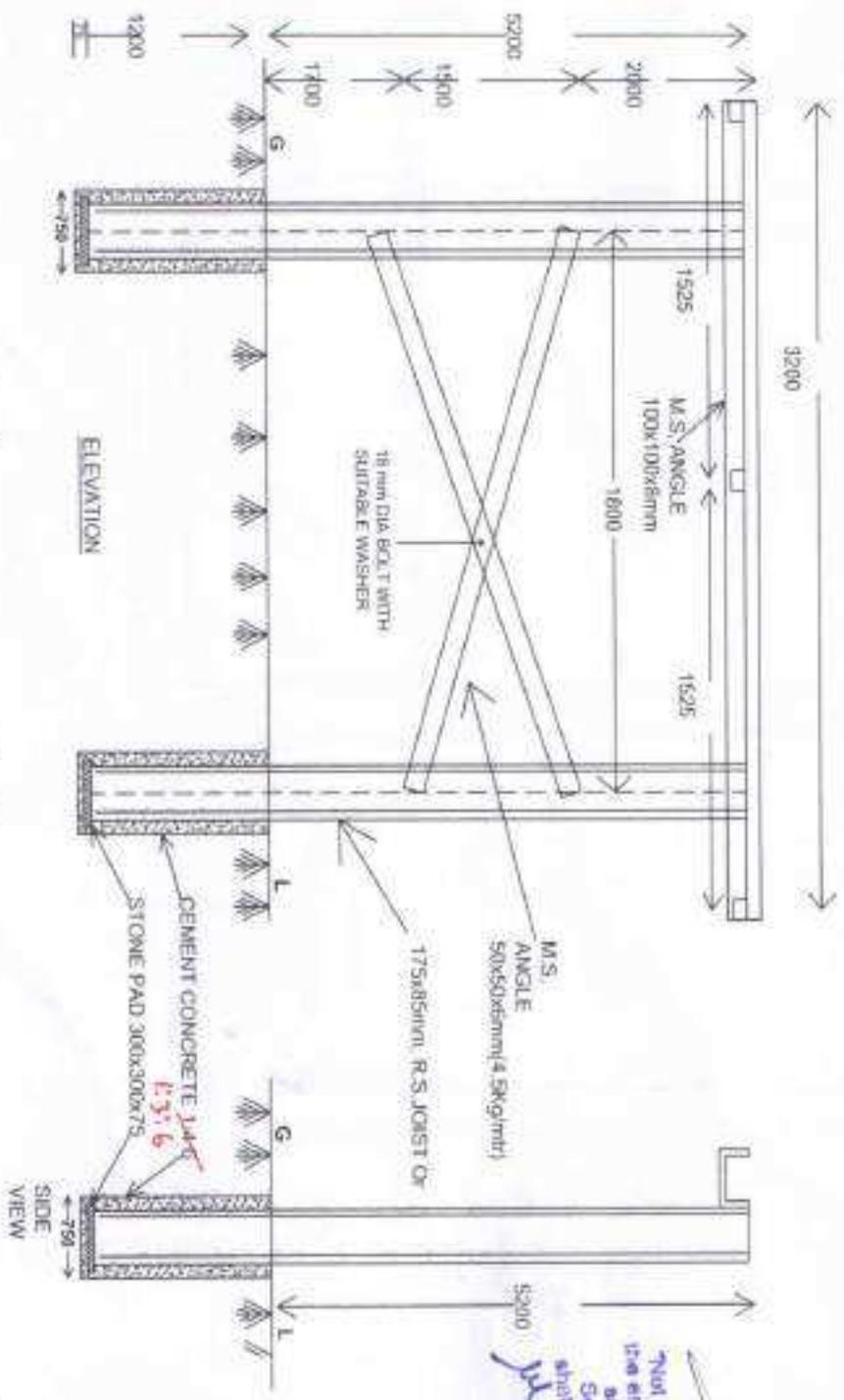
Chief Engineer (IPDS/DBUGUY)
P.V.V.N., MEERUT

Notwithstanding the aforesaid approval, the entire responsibility of correct supply of material according to the Specification/Types that reported shall be that of the contractor which will be checked during inspection.

The information furnished in this document is for reference only and is not intended to be used for any other purpose. The user shall be responsible for the accuracy of the information furnished in this document.

STRUCTURE FOR BUSBAR GANTRY

It is stipulated that the contractor is to bear the responsibility of the structure in this specification without any special conditions or specifications and the contractor shall be responsible for the supply of materials and the quality of workmanship and shall be held responsible for the structure during the period of construction.



M.S. ANGLE

PMA IPDS/DDUGJY

As with REC/PDCL

- NOTES:-
1. ALL DIMENSIONS ARE IN MM.
 2. DRAWING NOT TO SCALE.
 3. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANIZED.
 4. VARIATION - ± 5%.

APPROVED

Chief Engineer
(IPDS/DDUGJY)

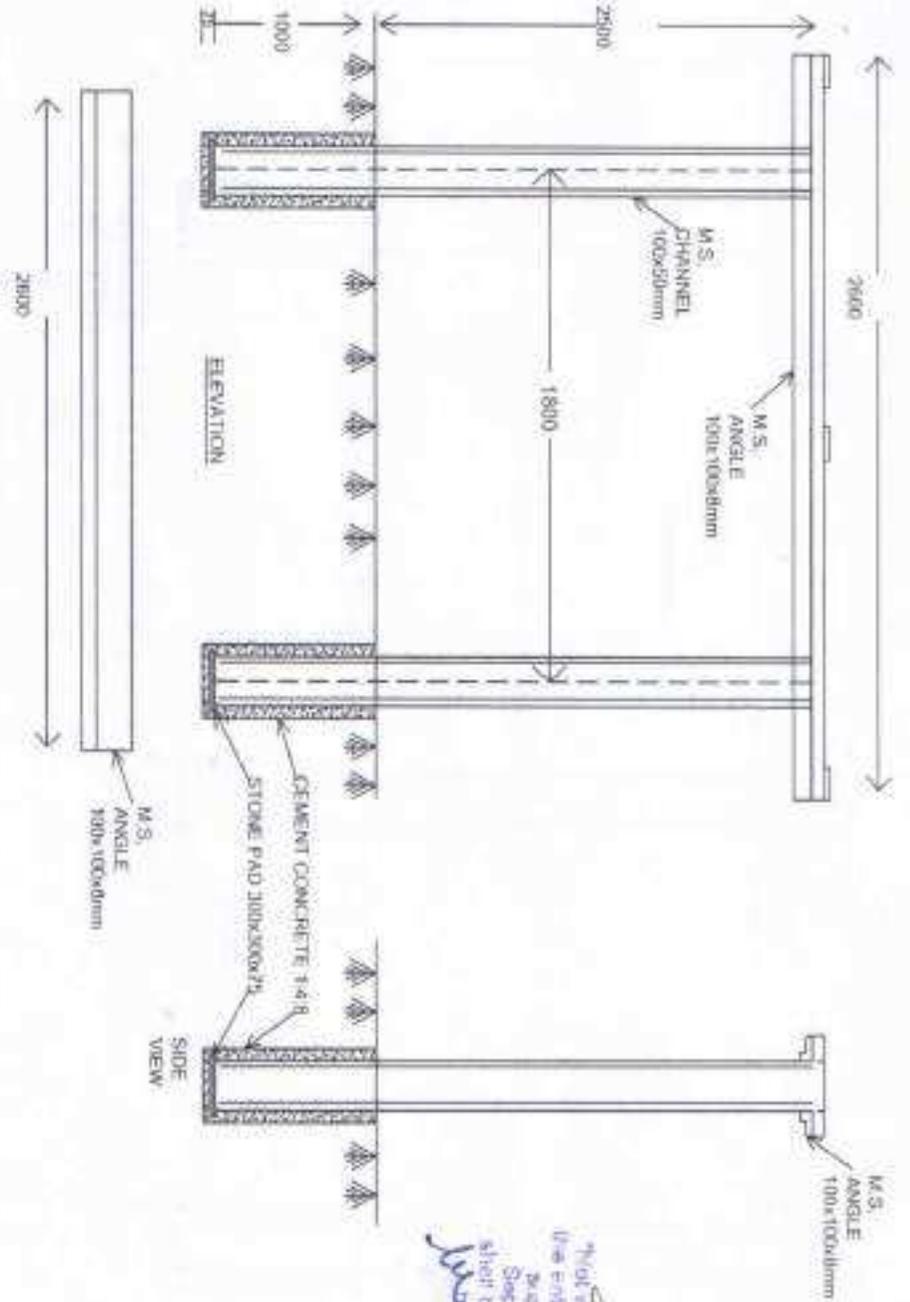
P.V.V.N.L., MEERUT

Notwithstanding the aforesaid approval, the entire responsibility of correctness of the supply of material according to the Specification/Type test report will be that of the contractor which shall be ascertained during inspection.



DYNAMIC POWER SOLUTIONS	
MR. LT PAMEL S.P.P.C. PROJ.MC	
HT/LINE ACCESSORIES	
WORKS: 1134 MANAGER'S OFFICE AREA	
MORHA GHANSHYAM 20/000	
EMAIL: info@dynamicps.in	
C/O: 80/11, DABER ROAD	
DYNAMIC POWER SOLUTIONS	
PROJECT NO.: SANADHARAJ PROJECT	
TITLE: Structure for 33KV BUSBAR GANTRY	

STRUCTURE FOR 33 KV CT



- NOTES:-
1. ALL DIMENSIONS ARE IN MM
 2. DRAWING NOT TO SCALE
 3. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANISED
 4. VARIATION - ± 5%

APPROVED

Chief Engineer
(IPDS/DDUGJY)
P.V. N. MEERUT

Notwithstanding this aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/STP sheet on that of the contractor which is to be attached during inspection.



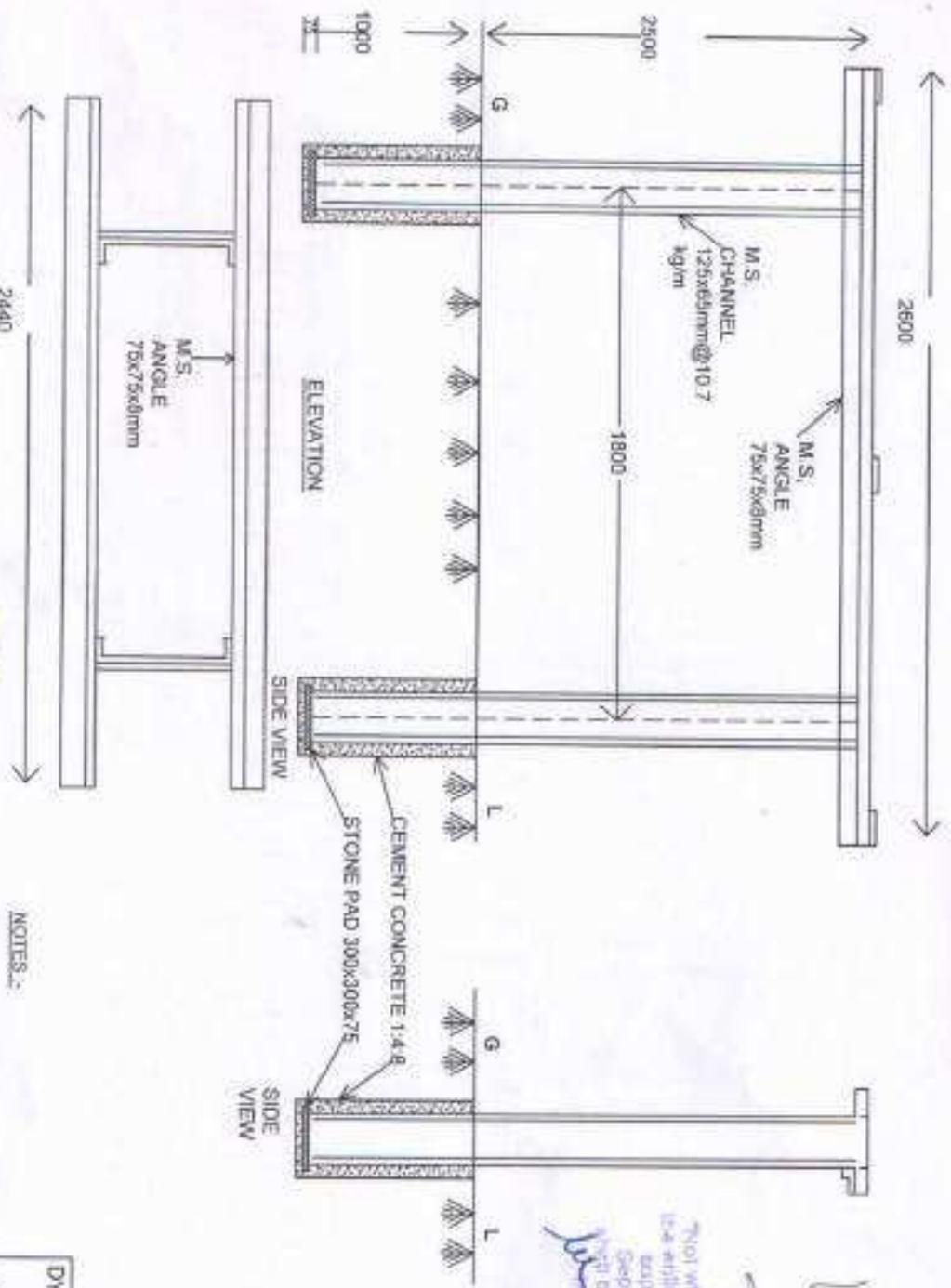
DYNAMIC POWER SOLUTIONS	
M/s. LT PANELS/ARC FOC/MCC	
HT/LT LINE ACCESSORIES	
WORKS: 2173A MANUSAPUR INDRAS AREA	
MOORTHY CHAZHASSADU 207000	
EMAIL: info@dynamicpower.in	
CLIENT: M/s. DDUJY	
Project: 2173A Manusapur InDRAS Area	
PROJECT: 2173A Manusapur InDRAS Area	
TITLE: Structure for 33KV CT	

PMA IPDS/DDUGJY
Asish
RECPDCL

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STRUCTURE FOR 33 KV FUSE SET



PMAIPDS/IDBUGJY
Handwritten Signature
RECPDCL



- NOTES:-**
1. ALL DIMENSIONS ARE IN MM.
 2. DRAWING NOT TO SCALE
 3. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANIZED
 4. VARIATION - ± 5%

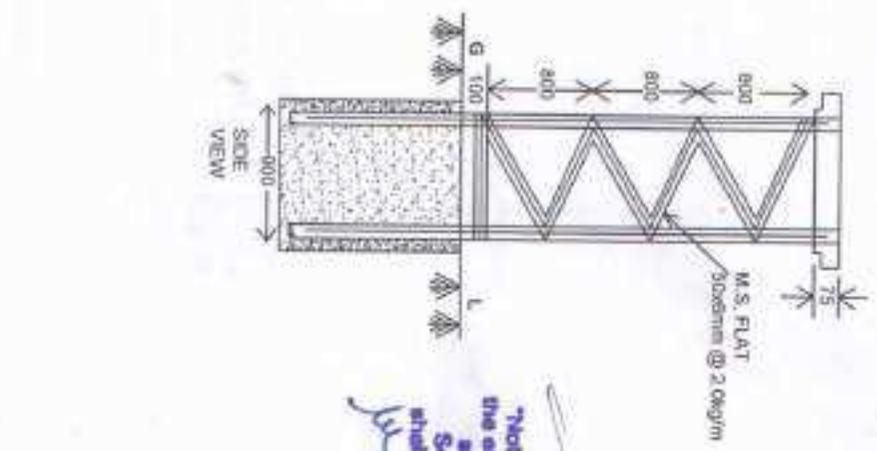
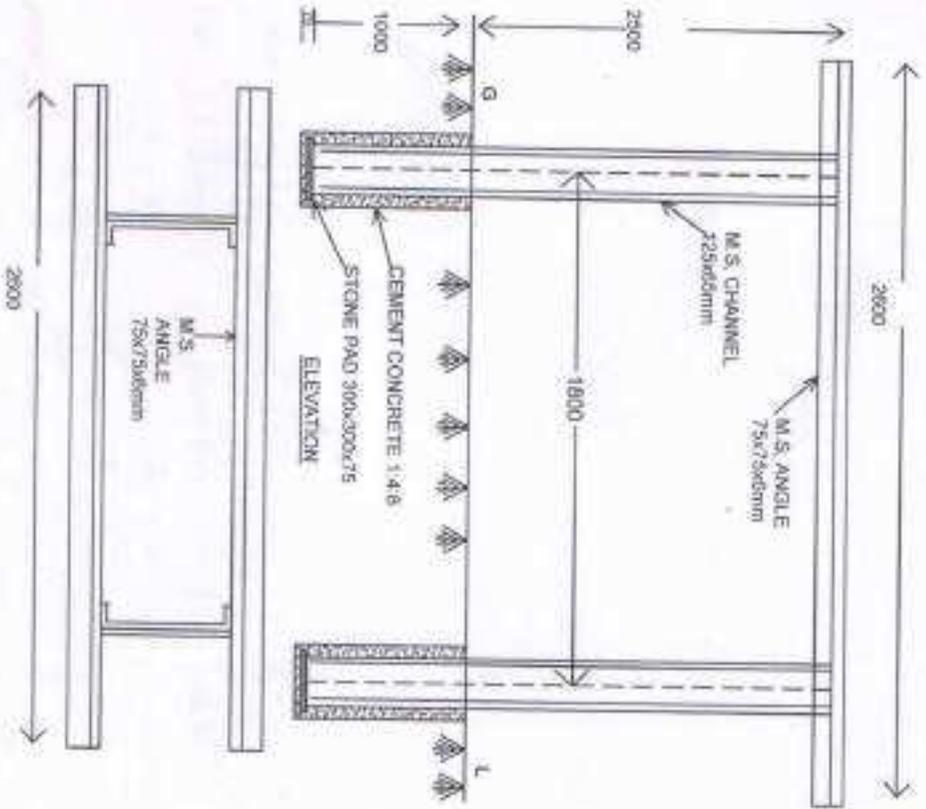
APPROVED

Chief Engineer
(IPDS/IDBUGJY)
P.V.V.N.L. NEERUT

Handwritten Note:
 Notwithstanding to the above approval, the liability of installation, erection, operation, maintenance, repair, and safety of the structure shall be the responsibility of the contractor.

DYNAMIC POWER SOLUTIONS	
M/S. LT PANELS/APFC/PCC/MCC	
HT/LT LINE ACCESSORIES	
WORKS: 3/134 MANAMPUR INDU. AREA	
MADRAS SHARADAPUR 201000	
EMAIL: info@dynamicpower.in	
CLIENT: M/s. CONCENT ENRGY	
PROJECT: 33KV - 3PHASE/3WIRE PROJECT	
TITLE: Structure for 33KV FUSE SET	

STRUCTURE FOR 33 KV ISOLATOR



PMA IPDS/IDUGJY
Asst. Engr
RECPDCL

- NOTES:**
1. ALL DIMENSIONS ARE IN MM
 2. DRAWINGS NOT TO SCALE
 3. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANISED
 4. VARIATION - ± 5%

Chief Engineer
(IPDS/IDUGJY)
P.V.N.L. MEERUT

Notwithstanding the aforesaid approval the entire responsibility of correctness supply of material according to the Specification/Type test reports/GTP shall be that of the contractor which shall be checked during inspection.

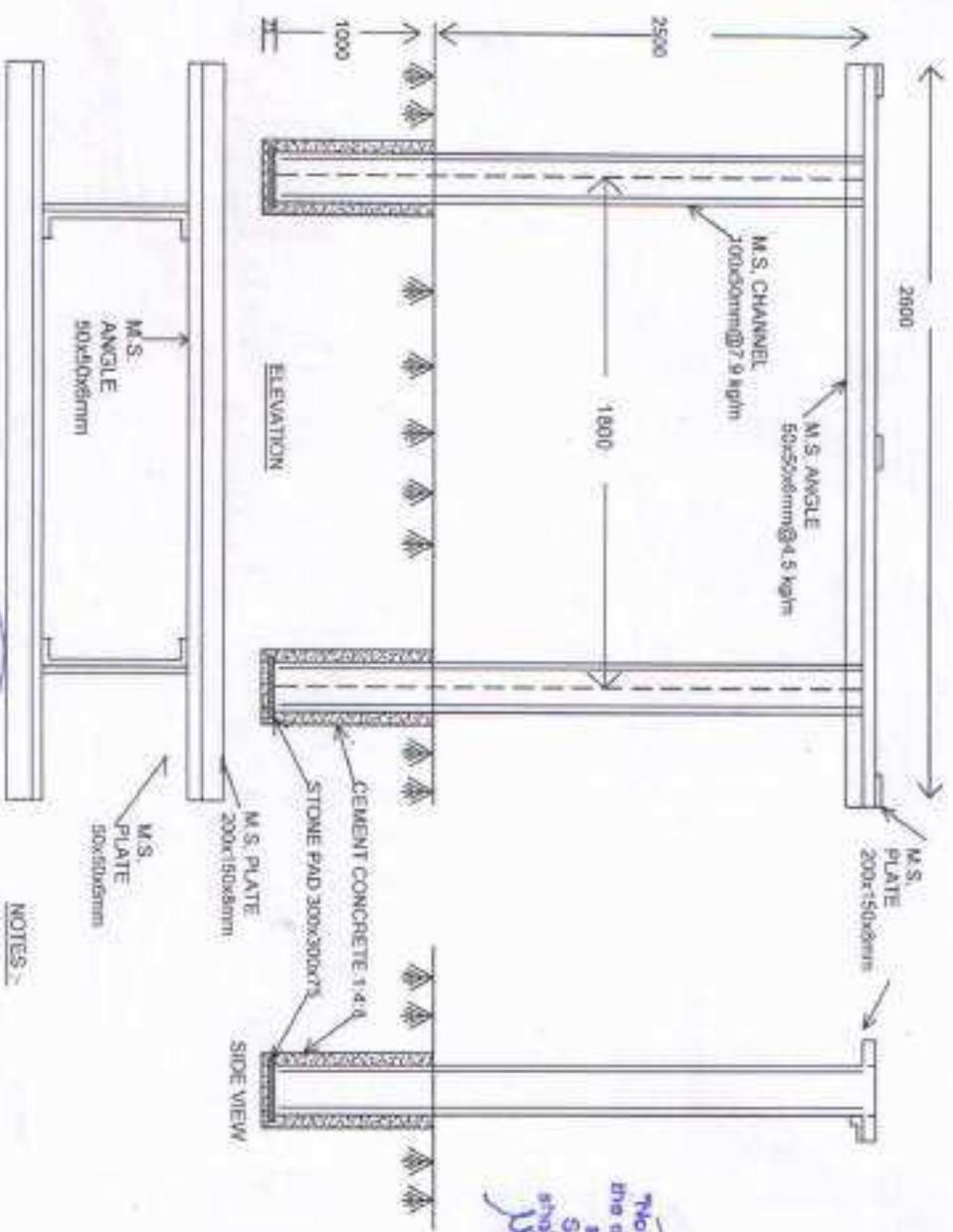
APPROVED



DYNAMIC POWER SOLUTIONS
M/F- LT PABELS APPLDCC/MCC, HYATT LANE, ANDHRA PRADESH
VICAROS, SH1534 BANNAHURU ANDUR AREA, MADHVA GHANDEBAD, 207003
EMAIL - info@dynamicpower.in
CLIENT: MR. CHANDER SANKH
PROJECT: 33KV ISOLATOR PROJECT
TITLE: Structure for 33KV ISOLATOR

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STRUCTURE FOR 33 KV LIGHTING ARRESTERS



- NOTES:-**
1. ALL DIMENSIONS ARE IN MM
 2. DRAWING NOT TO SCALE
 3. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANISED
 4. VARIATION - ± 5%

PMA IPDS/DDUGU
Adhikari
RECPDCL



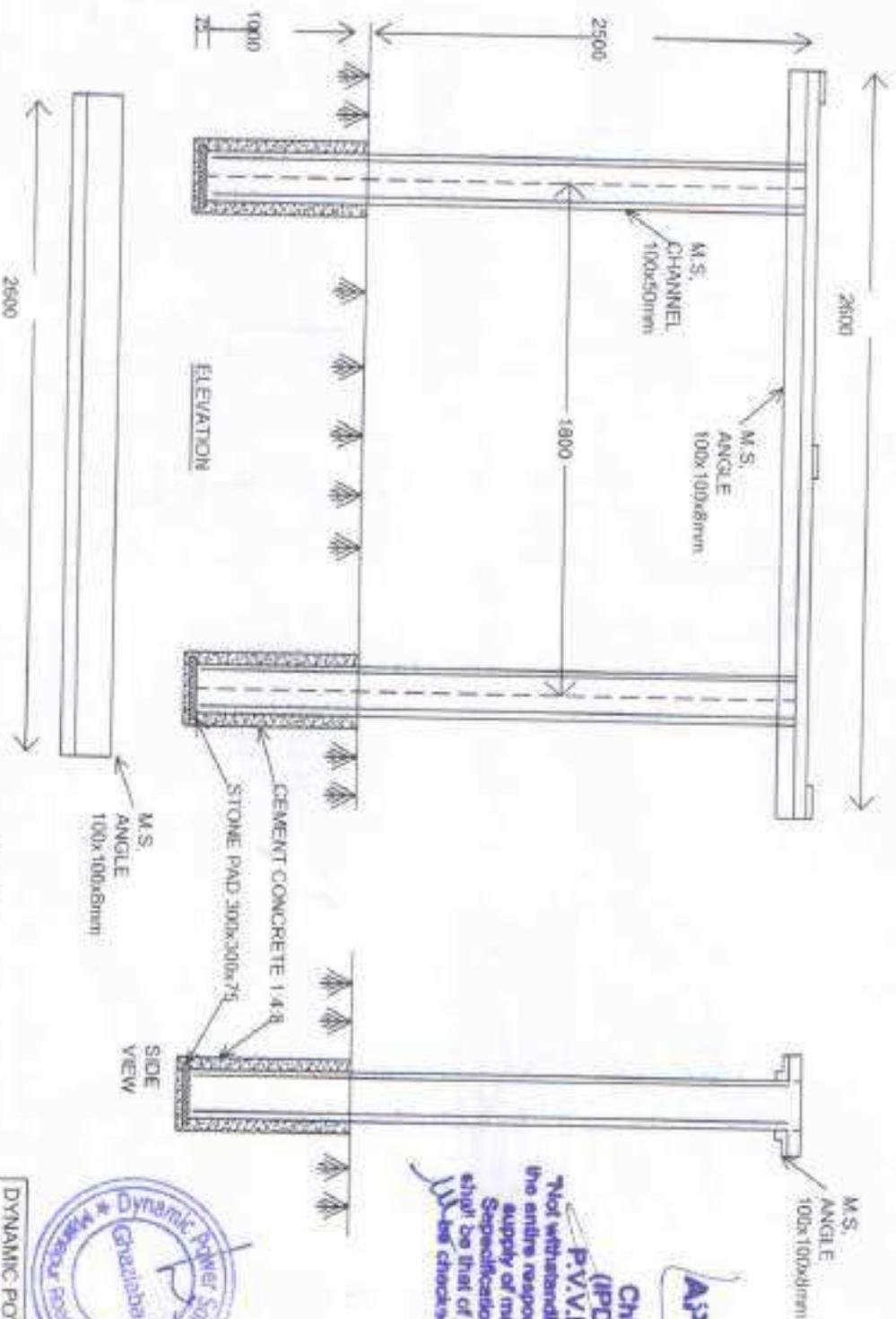
APPROVED

Chief Engineer
(IPDS/DDUGU)
P.V.V.N.L., MEERUT

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Typon Test report/GTP shall be that of the contractor which is to be checked during inspection.

DYNAMIC POWER SOLUTIONS	
M/s. LT PANELS APFC POC MCO.	
MDLT LINE ACCESSORIES	
WORKS-31/34 MAINWAR INDS. AREA	
MORTA GAZIABAD - 201003	
EMAIL- info@dynamicpower.in	
CLIENT- M/s. CPDCL	
Registered Office: New Nagar, Laxmi	
PROJECT: POC, SHAMBAHAR INDCO	
TITLE: Structure For 33KV Lighting Arresters	

STRUCTURE FOR 33 KV PT



- NOTES:-**
1. ALL DIMENSIONS ARE IN MM
 2. DRAWING NOT TO SCALE
 3. ALL MS FABRICATED ITEMS SHALL BE HOT DIP GALVANISED
 4. VARIATION - ± 5%

APPROVED

Chief Engineer
(IPDS/DDUGJY)
P.V.V.N.L. MEERUT

Notwithstanding the aforesaid approval, the entire responsibility of correct supply of material according to specification/type test reports shall be that of the contractor which will be checked during inspection.



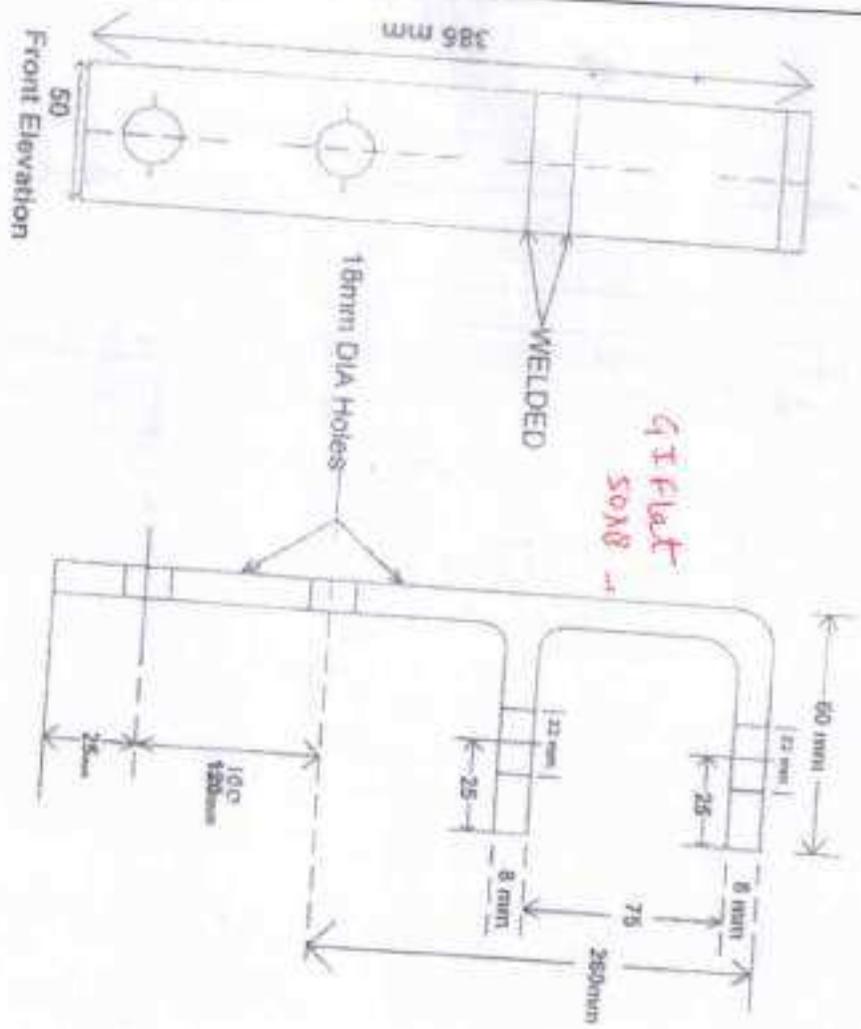
PMA IPDS/DDUGJY
Asst. Engr
RECPDCL

DYNAMIC POWER SOLUTIONS	
M/s. LT. PAVELI APFC, P.O. M.C.	
PLOT LINE, ADESSIORES	
WORKS, STATE MANIPUR INDUS. AREA	
ROHTA, CHANDIGARH - 201180	
EMAIL - mpd@dynamicps.com	
CLIENT - M/s. SURESH SINGH	
PROJECT NO. - 24/2019/0000000000	
TITLE - Structure for 33KV PT	

The contractor shall be responsible for the accuracy of the dimensions and quantities shown on this drawing. Any discrepancy or error in the drawing shall be the responsibility of the contractor. The contractor shall be liable for the accuracy of the drawing. Any discrepancy or error in the drawing shall be the responsibility of the contractor.

F - BRACKET FOR 11 KV LINE

GTP Approved in IPDS/DDUGJY
Tender Spec. No.



- Notes:-
1. All Dimensions are in MM.
 2. Drawing not to SCALE.
 3. All MS Items shall be HOT Deep Galvanized.

PMA IPDS/DDUGJY

Asliid
RECPDCL

Contractor Name	M/s. Omveer Singh, Balandshahr
Customer / Client	Paschimanchal Vidyut Utran Nigam Ltd.
Project Name	IPDS - Saharanpur Project
Supplier Name:-	Dynamic Power Solutions, Ghaziabad
Title:-	F-Bracket



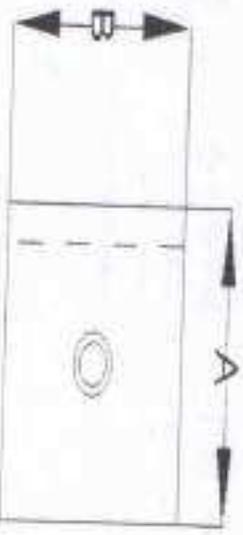
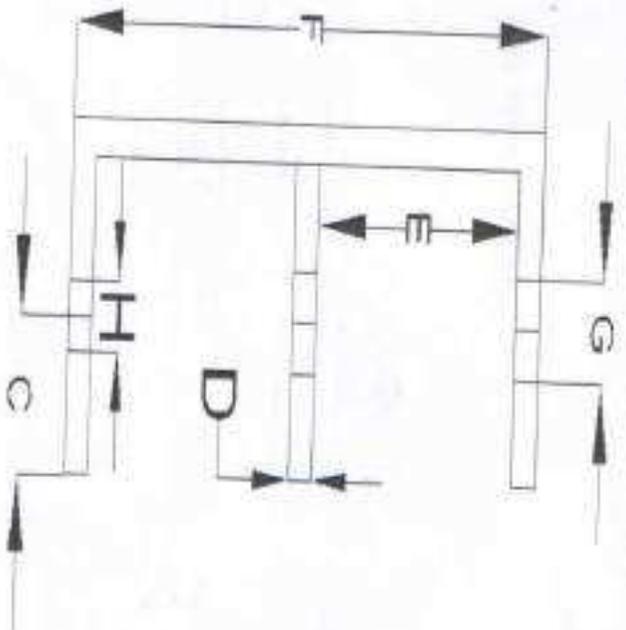
APPROVED

Chief Engineer
(IPDS/DDUGJY)
P.V.N.L. MEERUT

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is to be checked during the inspection.

Min. wt. - 1.4kg
All steel structures shall be hot dip galvanized.
Min. zinc coating shall be 610 gm/m².

E - BRACKET



- Notes:
1. All Dimensions are in MM.
 2. Drawing not to SCALE.
 3. All MS Items shall be HOT Deep Galvanized.

GTP Approved in IPDS/DDUGJY
 Tech. Spec. No.

APPROVED

Chief Engineer
 (IPDS/DDUGJY)
 -P.V.V.N.L., MEERUT

"Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is to be checked during inspection."

E BRACKET	M/S FLAT	A	B	C	D	E	F	G	H
11 KV LINE	50X8MM	60	50	25	8	88	200	22	18
33 KV LINE	75X10MM	80	75	40	10	85	200	25	18

Contractor Name	M/s. Omveer Singh, Bulandshahr
Customer / Client	Paschimanchal Vidyut Vitran Nigam Ltd.
Project Name	IPDS - Saharanpur Project
Supplier Name	Dynamic Power Solutions, Ghazibad
Title	E-Bracket

All steel structure shall be hot dip galvanized, min. zinc coating shall be 110 gm/m².

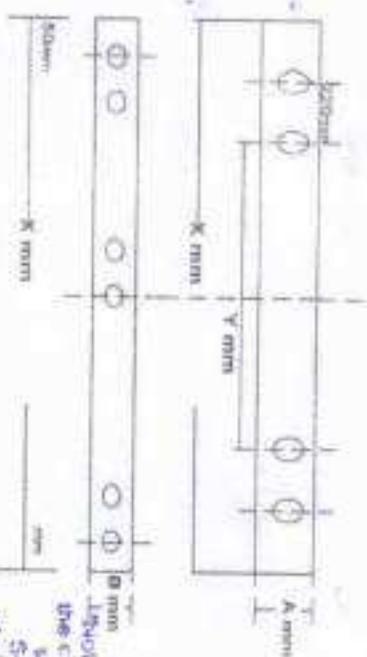
PMA IPDS/DDUGJY
 REC'D



M S TOP CHANNEL, DROPPER & T-OFF CHANNEL.

GTP Approved in IPDS/DDUGJY
Tender Spec. No.

M S TOP CHANNEL



APPROVED

Chief Engineer
(IPDS/DDUGJY)

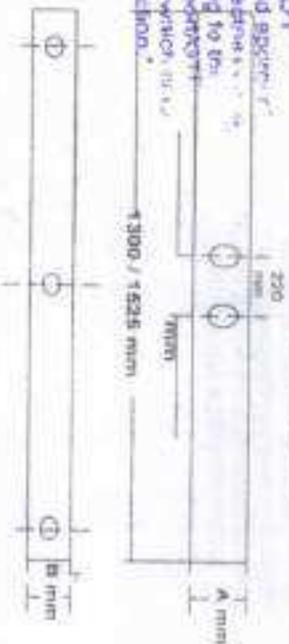
D. V. S. N. L., MEERUT

Approved according to the standard section of the steel of responsibility of concerned authority. The contractor shall be responsible for the type test report. The contractor shall be liable for the inspection.

LENGTH K mm	V mm	A mm	B mm
2240	1600	100	80
2240	1600	125	65
2200	2240	125	65

Min. 10%
296 kg
40.16 kg

M S TEE - OFF CHANNEL



M S DROPPER CHANNEL



NOTES:

- All Dimensions are in MM
- Drawing Not to Scale

Notes:-

- All Dimensions are in MM
- Drawing not to SCALE
- All MS Items shall be HOT Dipped Galvanized.

Min. Zinc coating shall be 610 gm/m².

Contractor Name	M/s. Omveer Singh, Bulandshahr
Customer / Client	Pachinmanchal Vidyut Vitran Nilgam Ltd.
Project Name	IPDS - Saharanpur Project
Supplier Name:-	Dynamic Power Solutions, Ghaziabad
Title:-	M S TOP Channel, Dropper & T Off Channel



PMA IPDS/DDUGJY

RECPDCL

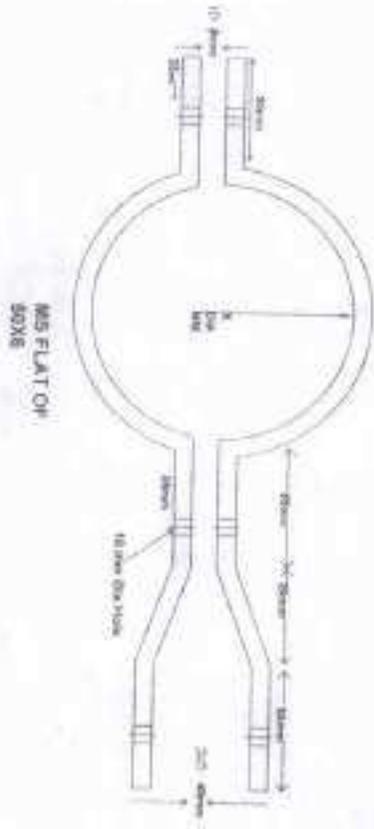
BRACING CLAMP FOR ROUND POLE

GTP Approved in IPDS/DDUGJY
 Tender Spec. No.

FIG. SP - 13
 TOP DIA. X = 140mm
 BOTTOM DIA. X = 135mm

FIG. SP - 12
 TOP DIA. X = 140mm
 BOTTOM DIA. X = 130mm

FIG. SP - 11
 TOP DIA. X = 135mm
 BOTTOM DIA. X = 140mm



APPROVED

Chief Engineer
 (IPDS/DDUGJY)
 P.V.V.N.L., MEERUT

"Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type last reported GTP shall be that of the contractor which is to be checked during inspection."

NOTES
 1. All Dimensions are in MM
 2. Drawing Not to Scale



- Notes:-
1. All Dimensions are in MM.
 2. Drawing not to SCALE.
 3. All MS Items shall be HOT Dipped Galvanized.
- Min zinc coating shall be 610g/m².*

Contractor Name	M/s. Omveer Singh, Bulandshahr
Customer / Client	Paschimanchal Vidyut Vitran Nigam Ltd.
Project Name	IPDS - Saharanpur Project
Supplier Name	Dynamic Power Solutions, Ghaziabad
Title	Bracing Clamp for Round Pole

PMA IPDS/DDUGJY
Asliha
 RECPDCL

GUARDING ANGEL WITH CLAMP

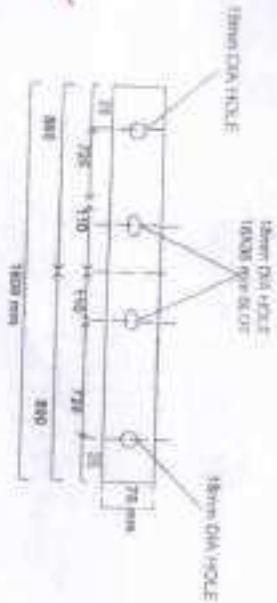
GTP Approved in IPDS/DDUGJY

Spec. No.

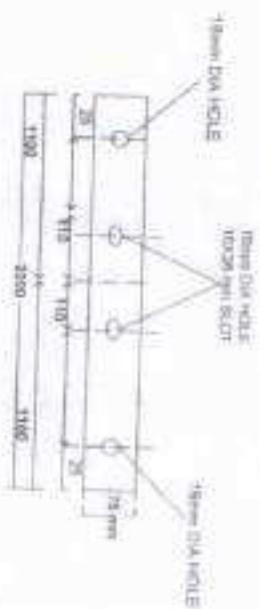
GUARDING ANGLE FOR STP 410-SP-11 MTR
LONG OF ANGLE 75X75X6 mm 1600mm LONG

ANGLE 75X75X6 mm 2200 mm LONG

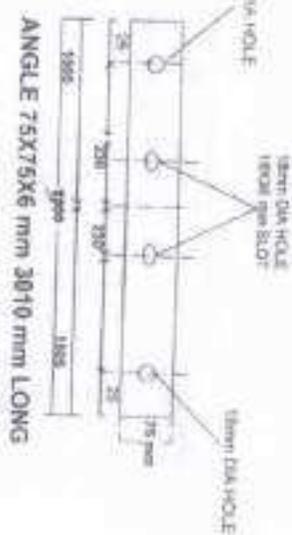
*Min. d.
10.5 kg*



ELEVATION



GUARDING ANGLE CLAMP



ANGLE 75X75X6 mm 3010 mm LONG

APPROVED

Chief Engineer
(IPDS/DDUGJY)

P.V.V.N.L., MEERUT

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is in the checked during inspection.



Notes:-

1. All Dimensions are in MM
2. Drawing not to SCALE
3. All MS Items shall be HOT Deep Galvanized

Min. Zinc coating shall be 610gm/m².

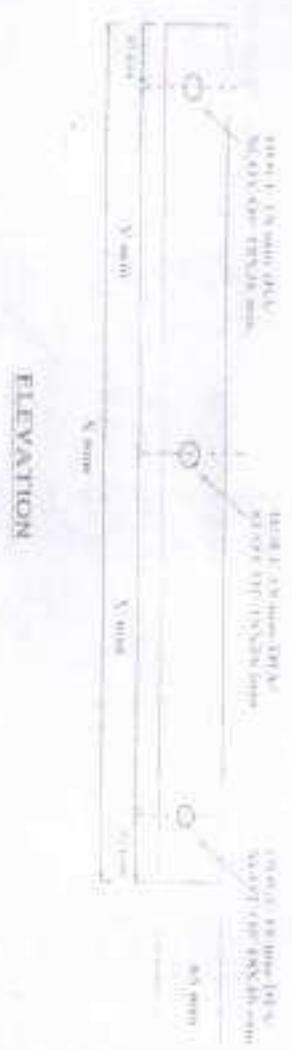
Contractor Name	M/s. Omveer Singh, Bulandshahr
Customer / Client	Paschimanchal Vidyut Vitran Nigam Ltd.
Project Name	IPDS - Saharanpur Project
Supplier Name:-	Dynamic Power Solutions, Ghaziabad
Title:-	Guarding Angle with Clamp

PMA IPDS/DDUGJY

Asish
RECPDCL

M/S BRACING ANGEL OF SIZE 65X65X6

GTP Approved in IPDS/DDUGJY
Tender Spec. No. _____



ITEM NO.	QTY	UNIT	REMARKS
1	1	M	MS BRACING ANGEL 65X65X6
2	1	M	MS BRACING ANGEL 65X65X6
3	1	M	MS BRACING ANGEL 65X65X6

- Notes:-
1. All Dimensions are in MM.
 2. Drawing not to SCALE.
 3. All MS Items shall be HOT Dipped Galvanized.

Min Zinc coating shall be 610gm/m².

Contractor Name	M/s. Omveer Singh, Bulandshahr
Customer / Client	Paschimanchal Vidyut Vitran Nigam Ltd.
Project Name	IPDS - Saharanpur Project
Supplier Name:-	Dynamic Power Solutions, Ghaziabad
Title:-	MS Bracing Angel (Size-65x65x6mm)

PMA IPDS/DDUGJY

Asish
RECPDCL



APPROVED

Chief Engineer
(IPDS/DDUGJY)
P.V.V.N.L., MEERUT

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type that report/GTP shall be that of the contractor which is to be checked during inspection.

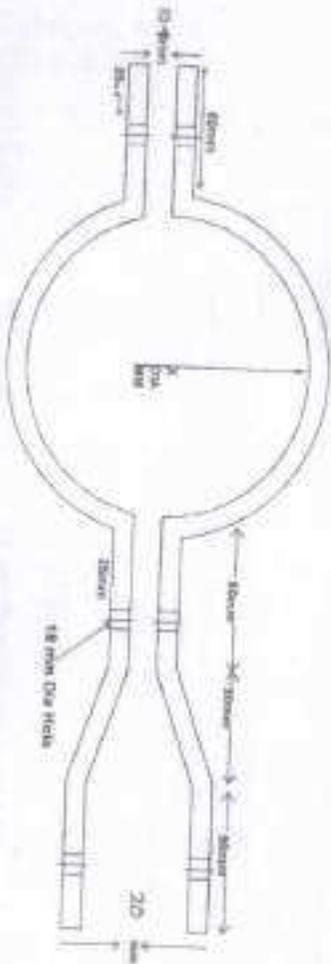
STAY CLAMP FOR ROUND POLE

GTP Approved in IPDS/DDUGJY
Tender Spec. No.

FOR SP - 65
TOP DIA X = 140mm

FOR SP - 72
TOP DIA X = 100mm

FOR SP - 33
TOP DIA X = 110mm



NOTES:

- 1 All Dimensions are in MM
- 2 Drawing Not to Scale

Notwithstanding the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type test report/GTP shall be that of the contractor which is to be checked during inspection.

APPROVED

Chief Engineer
(IPDS/DDUGJY)

P.V.V.N.L. MEERUT

Notes:-

- 1 All Dimensions are in MM
- 2 Drawing not to SCALE
- 3 All MS items shall be HOT Deep Galvanized.

Min. Zinc coating shall be 610gm/m².

Contractor Name	M/s. Omveer Singh, Bulandshahr
Customer / Client	Paschimanchal Vidyut Vitran Nigam Ltd.
Project Name	IPDS - Saharanpur Project
Supplier Name:-	Dynamic Power Solutions, Ghaziabad
Title:-	Stay Clamp for Round Pole

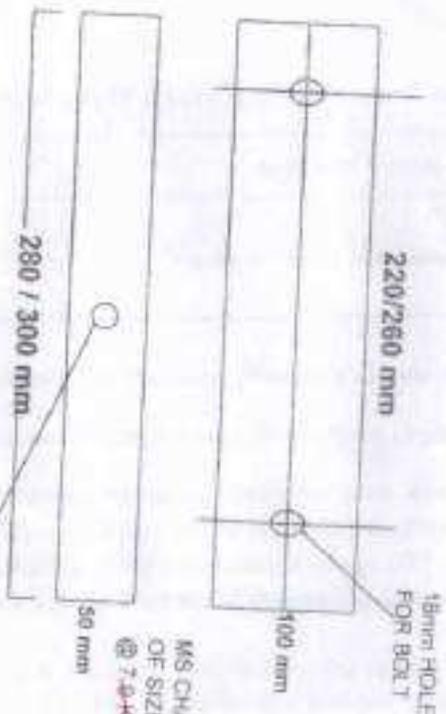


PMA IPDS/DDUGJY

RECPDCL

TOP HAMPER FOR 11/33 KV LINE

GTP Approved in IPDS/DDUGJY
Tender Spec. No.



NOTES:-

1. All Dimensions are in MM
2. Drawing Not to Scale

Notes:-

1. All Dimensions are in MM.
2. Drawing not to SCALE
3. All MS Items shall be HOT DIPP Galvanized.

Min. Zinc coating shall be 60g/m².

9.53 Kgf/mtr

APPROVED

Chief Engineer
(IPDS/DDUGJY)
P.V.N.L., MEERUT

I hereby attesting the aforesaid approval the entire responsibility of correctness and supply of material according to the Specification/Type that appears/GTP etc. on that of the contractor which is to be checked during inspection.



Contractor Name	M/s. Omveer Singh, Balandshahr
Customer / Client	Panchsanchal Vidyut Vitran Nigam Ltd.
Project Name	IPDS – Saharanpur Project
Supplier Name:-	Dynamic Power Solutions, Ghazabad
Title:-	Top Hamper for 11/33KV Line

PMA/IPDS/DDUGJY
Asish
RECPDCL

दस्तावेज नं०
कार्यालय (Off.) : 0121-2667923
निवास (Res.) :
मोबाइल (Mob.) : 09412749173
फैक्स (Fax) : 0121-2667923
ई-मेल (E-mail) : sewarksmvt@gmail.com



कार्यालय
Office of the
अधीक्षक अभियंता
Superintending Engineer
विद्युत निर्माण एवं कार्य मण्डल-अग्रम
Electricity Construction & Works Circle-I,
एशियमण्डल विद्युत वितरण निगम लि०
Panchmanchal Vidyut Vitran Nigam Ltd.
विक्टोरिया पार्क, मेरठ
Victoria Park, Meerut-250 003

Dated : 24-12-2017

No. : 2050 / E.C.W.C.-I/MRT

Sub:- General arrangement laying of cables for Saharanpur under IPDS Scheme.

M/s. Tata Projects Ltd.
Underground Tower, B-Green Bowlword,
Plot No. B-9/A, Sector-62,
Noida - 201307

Kindly refer to your letter no. TPL/Noida/PVVNL/IPDS/377, dated 27.12.2017 on above said subject.

In this regard inform to you the drawing, which was sent by you through above letter, was approved by P.M.A., RECPDCL and according to same is being sent to you for kind information and necessary action.

Encl. As above.


(Ravindra Gupta)
Superintending Engineer

Dated : _____ 2017

No. : _____ / E.C.W.C.-I/MRT

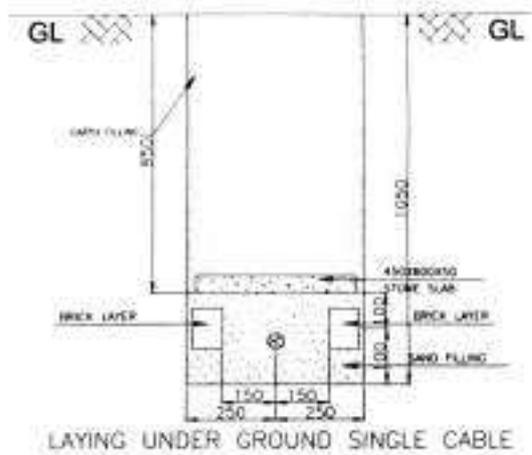
Copy forwarded to the following for information and necessary action :-

1. Chief Engineer (IPDS/DDUGJY), P.V.V.N.L., Meerut
2. Executive Engineer, Electricity Construction & Works Division, Saharanpur.
3. Sh. Ravindra Kumar, Project Manager, R.E.C. P.D.C.L., Meerut


(Ravindra Gupta)
Superintending Engineer

GTP Approved in IPDS/DDUGJY

Tender Soc. No. PVVNL-MT-IPDS/333/15-16



PMA IPDS/DDUGJY

Ashish
REC/PDCL

Sr. No.	Description	DOUBLE CABLE	SINGLE CABLE
1	Stone Slab Per Meter 450x600x50 mm	1.67	1.67
2	No. of Brick Per Meter	4.5x4=18= 3.6	4.5x4=18

NOTE:-

- All the Dimensions are in mm Unless otherwise specified
- Bending Radius for Turning of Cable Laying will be 700 (i.e. the Dia. of cable)
- For Road/Rail/River Crossing 6" HDD pipe Would be used in Cable Laying

DIA. No.	600PVVNL-MT-IPDS/333/15-16-01/30/6/2016
OWNER-	PARCHIMANCHAL VIDYUT VYARAN NIGAM LIMITED (PVVNL)
CONTRACTOR	TATA PROJECTS LIMITED WINDOR TOWER I, CHAKRA CENTRE, 84, SECTOR 28, NOIDA-201301, UP.
PROJECT	IPDS - Sakarapur Project
DESCRIPTION	LAYING OF UNDERGROUND CABLE FOR 11KV LINE (DOUBLE & SINGLE CABLE)
DATE	15/01/2016
SCALE	1:1
DRAWING No.	IPVNL-CA-DC-01

Author for approval	SANDEEP SR.	SANDEEP SR.	R. S. Paul	REVISION
Checked by	DRAN BY	CHECKED BY	APPROVED BY	DATE