

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

(Ministry of Road Transport and Highways, Govt. of India)

क्षेत्रीय कार्यालय \ REGIONAL OFFICE

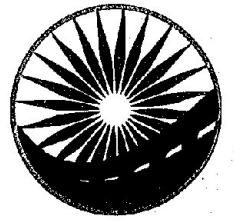
ई-2/167, अरेरा कॉलोनी, हबीबगंज रेल्वे स्टेशन के पास, भोपाल (म.प्र.) 462 016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.)-462 016

दूरभाष/Phone : 0755-2426638, फैक्स/Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org

NHAI/RO-MP/IND/Nagalwadi/120+700/2022/45835

Date: 16.02.2022



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Invitation of Public Comments

Sub: 4-laning of Khalghat-MP/Maharashtra Border Section of NH-3 from Km 84.700 to 167.500 in the State of Madhya Pradesh under NHDP Phase III on DBFOT basis – **Proposal for permission for High Tension line (132 kv) line crossing of NH-52 (old NH-3) at Ch. 120+700, Village-Ajandi, Tehsil Thikri, Distt. Barwani under Nagalwadi Micro Lift Irrigation Scheme of ND Division 14, Thikri, District Barwani in the state of Madhya Pradesh – Reg.**

Ref: PD, PIU-Indore letter no. NHAI/PIU-Indore/Kh-Mh/Nagalwadi/Road Crossing/2022/226 dated 02.02.2022.

Vide above reference proposal for permission for High Tension line (132 kv) line crossing of NH-52 (old NH-3) at Ch. 120+700, Village-Ajandi, Tehsil Thikri, Distt. Barwani under Nagalwadi Micro Lift Irrigation Scheme of ND Division 14, Thikri, District Barwani in the state of Madhya Pradesh.

2. As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the Highways Administrator will make available the proposal seeking permission for utility laying for public comments for 30 days on ground of public interest.

3. In view of the above the comments of public are invited on captioned proposal and the same should reach to below mentioned address till 17.03.2022 beyond which no comments will be considered.

The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-2/167, Arera Colony,
Near Habibganj Railway Station,
Bhopal (MP)-462016
E-mail ID:robhopal@nhai.org

This issues with the approval of Regional Officer cum Highway Administration.


(Anil Kumar Jain)
DGM (Tech.)

Copy to:

- Web Admin, NHAI-HQ-with request for uploading on the NHAI website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, NHAI, PIU-Indore (M.P.) for information.
- The Executive Engineer, Narmada Valley Development Authority Div. No. 14, Thikri, Dist.-Barwani (M.P.).

CHECK-LIST

Guidelines for project Directors for processing the proposal of laying 132 KV Overhead Electrical Power Transmission Line in the land crossing National-Highways vested with NHAI.

Ministry Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.

Check list for getting approval for laying of Overhead Electric Power Transmission Line on NH land			
S.NO.	Item	Information/Status	Remarks by IE
1	General Information		
1.1	Name and Address of the Applicant	The Executive Engineer Narmada Valley Development Authority N. D. Div. No. 14, Thikri, Distt. Barwani, Madhya Pradesh.	
1.2	National Highway Number	NH-52 (Old NH-3)	
1.3	State	Madhya Pradesh	
1.4	Location	Crossing National Highway NH-52 (Old NH-3) at km 120+700, Near Village Ajandi, Tehsil Thikri, District- Barwani Madhya Pradesh	
1.5	(Chainage in km)	Across at km 120+700	
1.6	Length in Meter	NA, as the proposal is for crossing of NH	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction.	30	30
	(b) Right side from center line towards increasing chainage/km direction	30	30
1.8	Proposal to lay overhead Electric Power Transmission line		
	a) Left side from center line towards increasing chainage/km direction	NA, as the proposal is for crossing of NH	NA
	(b) Right side from center line towards increasing chainage/km direction	NA, as the proposal is for crossing of NH	NA
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	NA
	(b) Right side from center line	NA	NA
1.10	Whether proposal is in the same side where land is not to be acquired If not then where to lay the cable	NA, as the proposal is for crossing of NH	NA
1.11	Details of already laid services, if any, along the proposal route	Nil	Nil
1.12	Number of lanes (2/4/6/8 lanes) existing	4 Lane	4 Lane
1.13	Proposed Number of lane (2 lane with paved shoulders/4/6/8 lanes)	NA	NA
1.14	Service road existing or not	NO	NO
	If yes then which side	NA	NA
	(a) Left side from center line	NA	NA
	(b) Right side from center line	NA	NA
1.15	Proposed service road	NA	NA
	(a) Left side from center line	NA	NA
	(b) Right side from center line	NA	NA
1.16	Whether proposal to lay Overhead Power Transmission line is after the service road in between the service road between the service road and main carriage away	NO, as the proposal is across the NH	NO
1.17	The permission for laying Overhead Power Transmission line shall be considered for approval/rejection based in the ministry circulars mentioned as above	Consider for the approval.	May please be considered as the proposal is based on Ministry circular.
1.18	If crossings of the road involved	Yes	Yes

Executive Engineer
N.D. Div. No. 14,
P.O. Thikri, Distt. Barwani

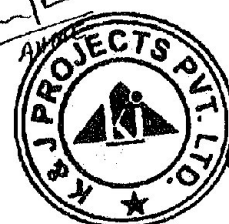
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Dy. Manager (Tech)
NHAI, PIU- Indore (MP)



	If yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line	Yes, Overhead Electrical line by arranging towers	yes
	(a) Existing drainage structures shall not be allowed to carry the lines.	NA	NA
	(b) Is it on the line Normal to NH	Yes	Yes
	(c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 metre. What is the distance from the existing structures	Yes (---mtr)	1312 mtr.
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable.	NA	NA
	(e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	NA	NA
	(f) The casing/conduit pipe should as minimum extended from drain to drain in cuts and toe of slope toe of slopes in the fills.	NA	NA
	(g) The top of the casing /conduit pipe should be atleast 1.2 meter below the surface of the road subject to being atleast 0.3mtr below the drain inverts.	NA	NA
	(h) Crossing shall be by boring method HDD, specially where the existing road pavement is of cement concrete or dense bituminous concrete type	NA as crossing is overhead. Methodology is enclosed.	NA
	(i) The casting / conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	NA	NA
2	Documents / Drawings enclosed with the proposal		
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.2m deep x 0.3m wide) i) Should not be greater than 60cm wider than the outer diameter of the pipe. (ii) Located as close to the extreme edge of the right of way as possible but not less than 15m from the centre lines of the nearest carriage way. (iii) Shall not be permitted to run along the national highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges. (iv) These should be so laid that their top is atleast 0.6meter below the ground level so as not to obstruct drainage of the road land.	NA, as the crossing is overhead and across NH	NA
2.2	Cross section showing the size of pit and location of cable for HDD method	NA, as crossing is overhead.	NA
2.3	Strip plan /route plan showing Overhead Power Transmission Line Chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes	Yes
2.4	Methodology for laying of Overhead Power Transmission Line	Yes, Enclosed.	Yes, Enclosed.

Executive Engineer
N.D. Dist. No. 14.
P.O. Indore Dist. Barwani

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Dy. Manager (Tech)
NHAI, PIU- Indore (MP)



2.4.1	Open Trenching Method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type). If yes, Methodology of refilling of trench	NA	NA
	(a) The trench width should be atleast 30cm, but not more than 60cm wider than the outer diameter of the pipe.	NA	NA
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	NA	NA
	(c) The Backfill shall be completed in two stages (i) side - fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	NA	NA
	(d) The sidefill shall consist of granular material laid in 15cm layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted. (e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	NA	NA
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	NA
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	NA	NA
2.4.2	Horizontal Direction Drilling (HDD) method	NA	NA
2.4.3	Laying of Overhead electrical line through CD works and method of laying	NA	NA
3	Draft License Agreement signed by two witnesses	Yes	yes attached
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 50/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the cables / ducts by proper filling and compaction, clearing debris / loose earth produced due to execution of trenching atleast 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris / loose earth.	Will be submitted after according approval	This is an overhead crossing, so no performance bank Guarantee required for improper restoration of ground and damages.
4.1	Performance Bank Guarantee as per above is to be obtained	Will be submitted as per the demand of NHAI	As above
4.2	Confirmation of PBG has been obtained as per NHAI guidelines.	Yes	Yes
5	Affidavit / Undertaking from the applicant for		

Executive Engineer
N.D. On. No. 14.
P.O. Indore Distt Barwan

Shan
Dy. Manager (Tech)
NHAI, PIU- Indore (MP)



5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes, Enclosed	Yes, Enclosed.
5.2	Renewal of Bank Guarantee	Yes, Enclosed	Yes, Enclosed.
5.3	Conforming all standard condition of NHAI guidelines	Yes, Enclosed	Yes, Enclosed
5.4	Shifting of Overhead Power Transmission as and when required by NHAI at their own cost.	Yes, Enclosed.	Yes, Enclosed.
5.5	Shifting due to 6 laning /widening of NH	Yes, Enclosed	Yes, Enclosed.
5.6	Idemnity against all damages and claims clause (XXIV)	Yes, Enclosed.	Yes, Enclosed.
5.7	Traffic movement during laying of Overhead Power Transmission line to be managed by the applicant	Yes, Enclosed.	Yes, Enclosed.
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes, Enclosed.	Yes, Enclosed.
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation shifting or repairs, alteration to the over head power Transmission line located in the National Highway Right of -ways	Yes, Enclosed.	Yes, Enclosed.
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the national highway by the laying, maintenance or shifting of the over head power Transmission line will be borne by the agency owing the line.	Yes, Enclosed.	Yes, Enclosed.
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, Enclosed.	Yes, Enclosed.
5.12	Certificate from the applicant in the following format		
	(i) Laying of Overhead Power Transmission Line will not have any deleterious effects on any of the bridge components and road way safety for traffic. (ii) For 6 laning "We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as well be stipulated by NHAI for future four / six laning of any other development."	Yes, Enclosed.	Yes, Enclosed.
6	Who will sign the agreement on behalf of Overhead Power Transmission Line agency.	Executive Engineer, Narmada Valley Development Authority, N. D. Div. No. 14, Thikri, Distt. Barwani.	
7	Who will supervise the work of laying Overhead Power Transmission Line.	Narmada Valley Development Authority, N. D. Div. No. 14, Thikri,, Project Director, NHAI	
8	Who will ensure that the defects in road portion after laying of Overhead Power Transmission Line are corrected and if not corrected then what action will be taken.	Narmada Valley Development Authority, N. D. Div. No. 14, Thikri, Project Director, NHAI	
9	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	Narmada Valley Development Authority, N. D. Div. No. 14, Thikri,	

[Signature]
Project Director

[Signature]
Dy. Manager (Tech)
NHAI, PIU- Indore (MP)

National Highways Authority of India
Project Implementation Unit- Indore (M.P.)

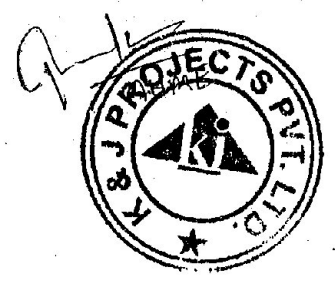


Executive Engineer
N.D. Div. No. 14
P.O. Thikri, Distt. Barwani
[Signature]

TOWER NO.-14 21°57'18.43"N 75°16'47.18"E
TOWER NO.-13 21°57'13.62"N 75°16'52.94"E



3.0 KM STRETCH PLAN



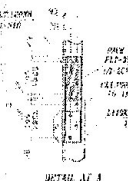
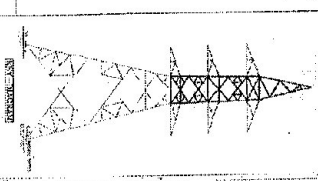
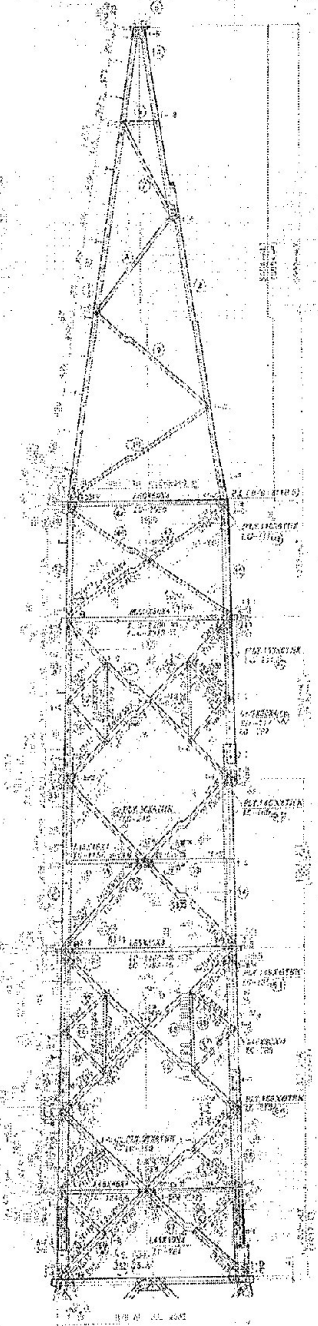
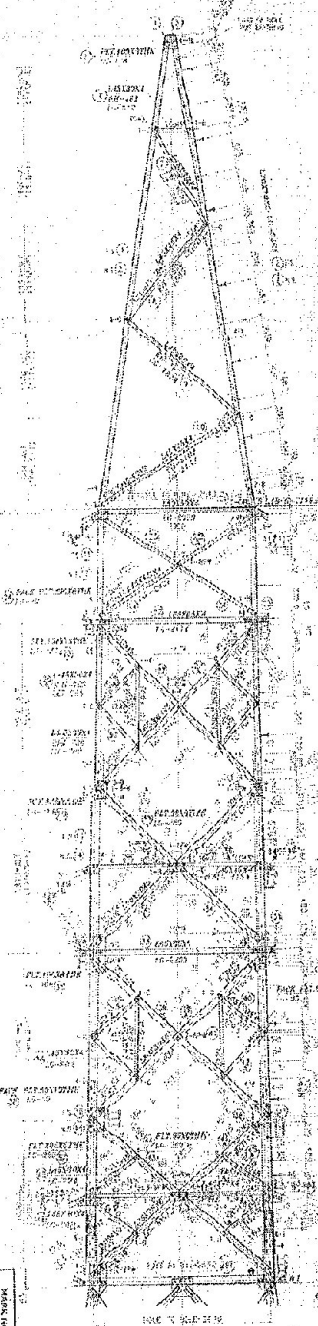
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7	MAINTENANCE	1954	J. S. J.	J. S. J.	J. S. J.
8	TESTING	1954	J. S. J.	J. S. J.	J. S. J.
9	REVISIONS	1954	J. S. J.	J. S. J.	J. S. J.
10	FINAL	1954	J. S. J.	J. S. J.	J. S. J.

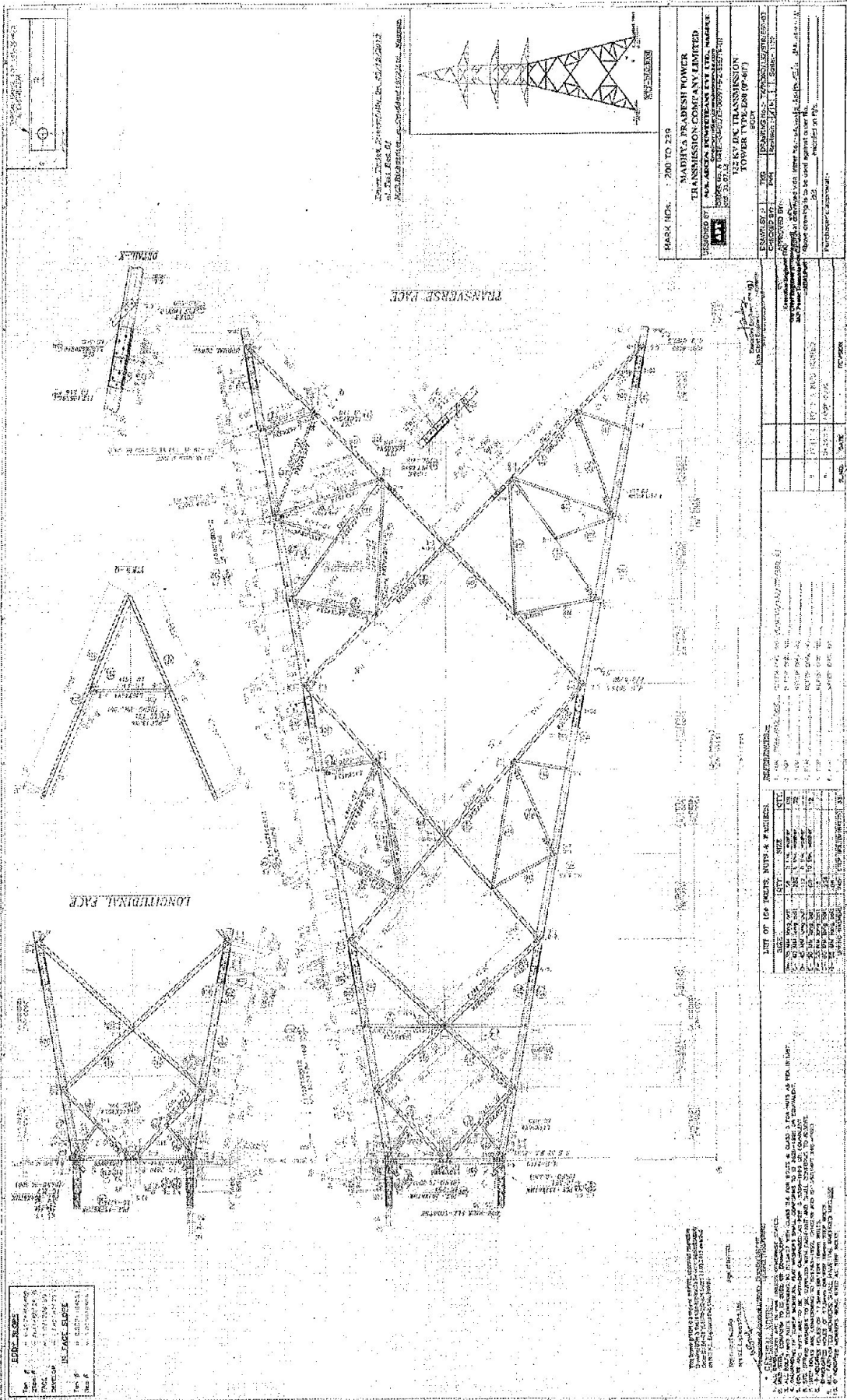
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6	CONSTRUCTION	1954	J. S. J.	J. S. J.	J. S. J.
7	MAINTENANCE	1954	J. S. J.	J. S. J.	J. S. J.
8	TESTING	1954	J. S. J.	J. S. J.	J. S. J.
9	REVISIONS	1954	J. S. J.	J. S. J.	J. S. J.
10	FINAL	1954	J. S. J.	J. S. J.	J. S. J.

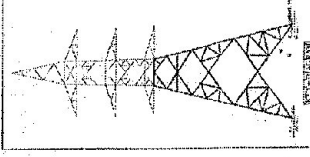
NO.	DESCRIPTION	DATE	BY	CHECKED	APPROVED
1	GENERAL SPECIFICATION	1954	J. S. J.	J. S. J.	J. S. J.
2	STRUCTURAL DESIGN	1954	J. S. J.	J. S. J.	J. S. J.
3	ELECTRICAL DESIGN	1954	J. S. J.	J. S. J.	J. S. J.
4	CIVIL DESIGN	1954	J. S. J.	J. S. J.	J. S. J.
5	MATERIALS	1954	J. S. J.	J. S. J.	J. S. J.
6	CONSTRUCTION	1954	J. S. J.	J. S. J.	J. S. J.
7	MAINTENANCE	1954	J. S. J.	J. S. J.	J. S. J.
8	TESTING	1954	J. S. J.	J. S. J.	J. S. J.
9	REVISIONS	1954	J. S. J.	J. S. J.	J. S. J.
10	FINAL	1954	J. S. J.	J. S. J.	J. S. J.



REVISIONS

NO.	DATE	DESCRIPTION
1	10/1/2010	ISSUED FOR CONSTRUCTION

Drawn: [Name]
 Checked: [Name]
 Approved: [Name]



PROJECT INFORMATION

PROJECT NO.: 200 TO 279

CLIENT: MADHYA PRADESH POWER TRANSMISSION COMPANY LIMITED

DESIGNED BY: [Name]

CHECKED BY: [Name]

APPROVED BY: [Name]

DATE: 10/1/2010

SCALE: 1/4" = 1'-0"

PROJECT LOCATION: [Location]

PROJECT DESCRIPTION: 132 KV DC TRANSMISSION TOWER

LIST OF MATERIALS WITH QUANTITIES

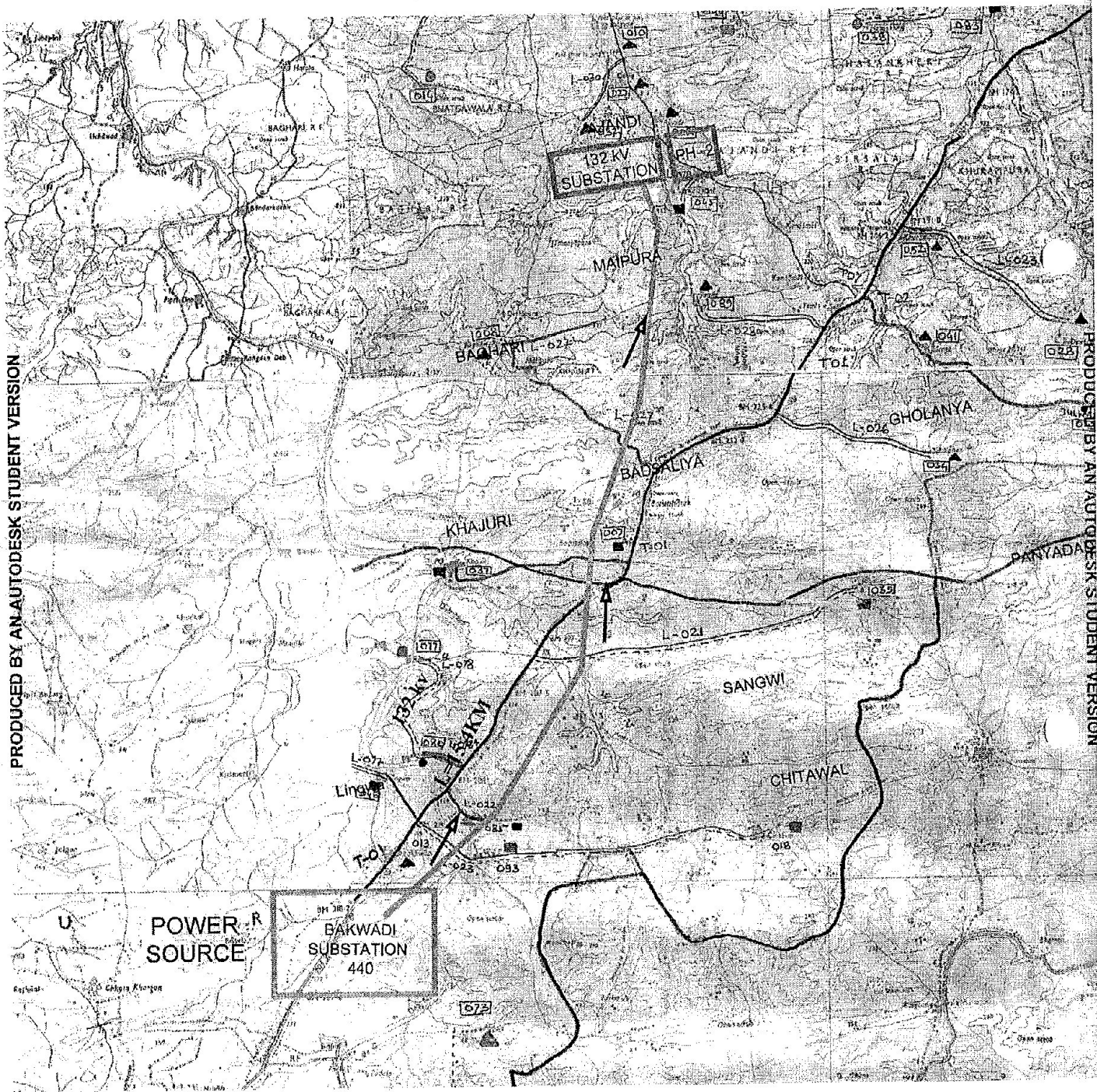
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	Steel Plate (1/2" thick)	SQ. FT.	100.00
2	Steel Angle (4x4)	LB.	100.00
3	Steel Bolt (1/2" dia)	PCS.	100.00
4	Steel Nut (1/2" dia)	PCS.	100.00
5	Steel Washer (1/2" dia)	PCS.	100.00

NOTES:

1. All dimensions are in feet and inches.
2. All materials shall be of the highest quality.
3. All welds shall be of the highest quality.
4. All paint shall be of the highest quality.
5. All work shall be done in accordance with the specifications.

Handwritten notes: *Handwritten signature/initials*

Handwritten circled number: *1*



Handwritten signature: *Statinal*
 श्री. बी. दत्तवाल
 कार्यपालक यंत्री
 सर्वोप विकास योजना क्रमांक-14,
 टीकरी, जिला गढ़वाली