

भारत सरकार
सडक परिवहन और राजमार्ग मंत्रालय
क्षेत्रीय कार्यालय, भुवनेश्वर
प्लट संख्या - 184 (फायर स्टेशन चौक के पास)
बरमुन्डा, भुवनेश्वर-751003
दूरभाषा : (0674) 2960994 & 2952994
ई-मेल : robbsr.morth@gmail.com



Government of India
Ministry of Road Transport & Highways
Regional Office, Bhubaneswar
Plot No. - 184 (Near Fire Station Square)
Baramunda, Bhubaneswar-751003
Ph. No.: (0674) 2960994 & 2952994
E-mail: robbsr.morth@gmail.com

File No. RO/BBSR/Utility Services/NH-57/BBSR/94/2024 -2041

Date: 24th Jan, 2025

Invitation of Public Comments

Sub: Permission for laying of 33 KV UG cable from km 345/300 to 349/500 (LHS) (MKCG Hospital to Ambapua) & crossing at km 342/300 (near City Hospital) on NH-59 by TPSODL, Berhampur - reg.

1. Superintending Engineer, NH Division, Berhampur vide letter dated 11.12.2024 has submitted a proposal on the above mentioned subject as detailed below:

Sl. No.	Chainage from km to km	Details of RoW	Carriageway width (m)	Dia of pipe (In mm)	Total length (m)	Methodology
1	Km 345/300 to 349/500 (LHS)	-	14.0 m	300 mm	4.20	HDD
2	Crossing at km 342/300	-	10.0 m		-	HDD

2. As per Ministry's OM No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administrator will put out the application in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest, if any).
3. In view of the above, comments of public for claims/objections, if any, on the above proposal are invited online as well as in hard copy. The strip plan/location details are enclosed herewith. The same should reach to the below mentioned address within 30 days from the date of uploading it in the website, beyond which no objection will be considered.

Address:

Regional Officer,
Ministry of Road Transport & Highways,
Plot No -184, Infront of CRPF Stadium,
Baramunda, Bhubaneswar - 751003.

Yours faithfully,


(Sudhansu Sekhar Sahu)
Senior Technical Assistant
For Regional Officer

Copy to:

- 1) The Senior Technical Director, NIC, Transport Bhawan, New Delhi - 110001- along with strip chart for uploading on the Ministry's website.
- 2) General public with request to furnish comments, if any, to the above mentioned address or by e-mail to "robbsr.morth@gmail.com"

डाफ़री संख्या 2038
तारीख 22/12/2024
सड़क परिवहन और राजमार्ग मंत्रालय
क्षेत्रीय कार्यालय, भुवनेश्वर



OFFICE OF THE EXECUTIVE ENGINEER,
NATIONAL HIGHWAY DIVISION, BERHAMPUR

Email Id-eehbam@gmail.com

No. 3090 / Date 11/12/2024
N.E

To

The Regional Officer, MORT&H, Bhubaneswar.

Sub: - Submission of proposal for permission for laying Under Ground Cable alongside / cross the Road on NH 59 from Km 345.300 to 349.500 Km MKCG Hospital to Ambapua and Road crossing at City Hospital Chainage 342.300 km

Ref: Letter No 2838 (5) Dated 29.11.2024 of SE (Elect.) TPSODL Berhampur Electrical Division No.1

Sir

In inviting a kind reference to the subject cited above the Super tending Engineer (Elect.) TPSODL Berhampur Electrical Division No.1 has submitted the above proposal for accordance of permission for laying Under Ground Cable on NH 59 from MKCG Hospital to Ambapua i.e. from Km 345.300 to 349.500 Km a and Road crossing at City Hospital Chain age 342.300 km. along with the Check lists and plan and methodology of laying the UG Cable for kind approval. The Assistant Executive Engineer, NH Sub-Division Berhampur and the Junior Engineer NH-Section Gopalpur have inspected the site and submitted the inspection report.

This is for favour of your kind information and further necessary action.

Encl:- As above

Yours Faithfully

Super tending Engineer,
N.H. Division, Berhampur.

Memo No. 3091 / Dt. 11/12/2024

Copy to the Super tending Engineer Berhampur Electrical Division, Berhampur for information and necessary action.

Super tending Engineer,
N.H. Division, Berhampur.

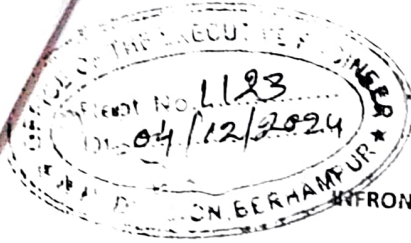
Memo No. 3092 / Dt. 11/12/2024

Copy submitted to the Chief Engineer I/c Chief Construction Engineer, Southern N.H. Circle, Berhampur for favour of kind information and necessary action.

Super tending Engineer,
N.H. Division, Berhampur.

em
20/12

SITA



TPSODL

OFFICE OF THE EXECUTIVE ENGINEER

BERHAMPUR ELECTRICAL DIVISION NO-I

IN FRONT OF NEAR M.K.C.G. MEDICAL COLLEGE, COURTPETA, BERHAMPUR - 760 004

E-mail: ee.bed1@tpsouthernodisha.com

Lr No.-

2838

Dated -

29/11/2024

To,

The Executive Engineer,
NH Division, Berhampur,
Ganjam, Odisha.

Sub:- Regarding necessary approval for UG Cable laying alongside/ across the road.

Ref:- i) Tender No.- TPSODL/OT/2023-24/001.

ii) Previous letter no.- 504(S), dated- 23.02.2024.

Sir,

Reference to the above cited subject, This is to inform you that for Un- interrupted dedicated power supply to MKCG Hospital, City Hospital and administrative offices of Govt. of Odisha a scheme has been proposed under State Disaster Mitigation Fund(SDMF-I). The same work has been allotted to agency M/s S.K. Mohapatra. In the scheme there would be one 33KV UG Cable laid from Narendrapur GSS to MKCG Hospital and one 11KV UG cable line laid from MKCG Hospital S/S to City Hospital.

As per the survey 33KV UG cable is going through your premises from Bhimanagar Chakra (Chainage- 349.450KM) to MKCG Hospital (chainage- 345.300KM). and Road crossing near City Hospital Chainage- 342.500KM)

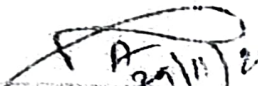
Hence you are requested to accord necessary approval for execute the UG cable line work in your premises.

This is for your kind information and necessary action please.

Encloser-

- i) Approved drawing of above two feeder.
- ii) Cheklist and procedure of work.

Yours faithfully,


Superintending Engineer (Elect.),
Berhampur Electrical Division-I

1. TL- Projects (BED-1) for information and necessary action.
2. Superintending Engineer (Elect.) TPSODL, City Circle, Berhampur for kind information.
3. Head-Projects, TPSODL for kind information and necessary action.
4. Chief Technical Services, TPSODL for kind information and necessary action.

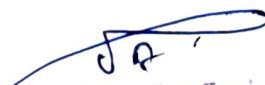
CHECK LIST & GENERAL INFORMATION		
Sl No.	Item	Information /Status
1	General Information	TPSODL intends to lay UG Cable of NH 59 at from Bhimanagar square (349.450KM) to MKCG Hospital main gate(345.300KM) and Road crossing at infront of City Hospital.
1.1	Name and Address of the applicant/Agency	EE, BED-I, Courtpetta, Berhampur, Orissa. 760004.
1.2	National Highway No.	NH59
1.3	State	Orissa
1.4	Location	i) Bhimanagar chhak to MKCG Hospital Gate ii) Road cross Near CT hospital
1.5	Chainage in km	345.300 km to 349.450km & 342.500 km (Road crossing)
1.6	Length in Kilometers	4.15KM ,0.01KM
1.7	Width of available ROW	Shall be provided after getting certified copy from NH authorities
	(a)Left side from centre line towards increasing chainage/km direction	
	(b) Right side from centre line towards increasing chainage/km direction.	
1.8	Proposal to lay underground Cable line along with OFC	Pipeline will be laid along & across NH-59 at locations mentioned by HDD method
1.9	Proposal to acquire land	No NH land will acquire for Cable laying
	(a)Left side from centre line CHECK LIST & GENERAL INFORMATION	Not applicable
	(b)Right side from centre line	Not applicable
1.1	Whether proposal is in the same side where land is not to be acquired If not then where to lay the cable	Not applicable
1.11	Details of already laid services. If any, along the proposed route	To be checked and verified by Trial pit and GPR before cable laying. by HDD method
1.12	Number of existing lanes (2/4/6/8)	2 Lane 4 Lane
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8lanes)	Not applicable
1.14	Service road existing or not If yes then which side	Not exist
	(a)Left side from centre line	
	(b)Right side from centre line	
1.15	Proposed service road	Not applicable
	(a)Left side from centre line	
	(b)Right side from centre line	
1.16	Whether proposal to lay UG cable line is after the service road or between the service road and main carriage way	Not Applicable
1.17	Whether carrying of Cable line has been proposed on the highway bridges. If yes, then mention the methodology proposed for the sam	Not Applicable
1.18	Whether carrying of Cable line has been proposed on the 1.18 parapet/any part of the bridges. If yes, then mention the methodology proposed for the same.	Not Applicable
If crossing of the road involved		
	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	Crossing will be done by HDD method with encasing
	a)Whether existing drainage structures are allowed to carry gas pipe	No, None of the load shall be transferred to existing structure
	(b)Is it on a line normal to NH	yes
	c)What is the distance of crossing the Cable lines for the existing structures. Crossings shall not be too near structures on the National highway, the minimum distance being 15 meter.	To be followed as per standard specification


 Superintending Engineer
 BED-I, TPSODL, Berhampur

CHECK LIST & GENERAL INFORMATION		
Sl No.	Item	Information /Status
1.19	d) The casing pipe or conduit pipe in the case of electric/OFC cable) carrying concrete the and utility line shall be of steel, cast iron, or reinforced cement concret and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing	Ok Noted, Cable line to be laid with casing pipe as per the specification.
	(e)Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	OK , Noted
	f)(The casing/conduit pipe should pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	OK , Noted
	g)The top of the casing/conduct pipe should be at least 1.2Mtr below the surface of the road subject to being at least 0.3 below the surface of earth.	Ok Noted and To be followed during execution of ca line laying..
	(h)mention the methodology proposed for crossing of road for the proposed Cable line. Crossing shall be by boring method (HDD)[Trench -less Technology especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD Method(trench less technology)
	i)The casing/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.	Ok noted.
2	Document /Drawings to be 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)	Attached
	(I)Should not be greater than 60 cm wider than the outer diameter Of the cable line.	Noted
	(ii)Located as close to be greater than 60 cm wider than the right -of way as possible but not less than 15 meter from the centrelines of the nearest carriageway.	P/L to be laid in the edge of the NH ROW
	(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.	All Cable lines to be laid is underground. Cable line to be laid parallel to NH. Culvert & bridge to be crossed by HDD method keeping in view all safety / measure
	(iv)These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land	conformed
	Cross section showing the size of pit and location of pipe for HDD method.	Attached
	Strip plan /Route plan showing UG Cable line, Chainage, width of ROW, distance of proposed UG Cable line with OFC from the edge of ROW, Important mile stone, intersections, cross drainage works etc.	Incorporated in the drawing
	Methodology for laying of UG Cable line line.	HDD & Open trench method
	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, what is the methodology of refilling of trench.	After P/L laying in open trench method , area shall be restored to its original position.


Superintending Engineer
 BEO-I, TPSODL, Berhampur

CHECK LIST & GENERAL INFORMATION		
Sl No.	Item	Information /Status
2.2	(a)The trench width should be at least 30 cm, but not more than 60cm wider than the outer diameter of the pipe.	OK Noted
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. 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 edges should be excavated and replaced by selected material.	OK Noted
	(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	OK Noted
	(d)The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor's Density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	OK Noted
	(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	OK Noted
	(f)The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	OK Noted
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line.	OK Noted
	Horizontal Directional Drilling (HDD) Method	yes
	Methodology for laying of gas pipe line through CD works and method of laying in cases where the carrying of gas pipeline on the bridge becomes inescapable	There is no Bridge structure exists in the proposed UG Cable line.
	Draft License Agreement signed by two witness	
2.3	Performance Bank Guarantee in favor of NH 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 Gas pipeline with OFC/ducts by proper filling and compaction, clearing Debris/loose earth produced due to execution of trenching at least 50m away from the edge of the NH to the licensee for clearing debris/loose earth.	If Required, shall be Submitted after getting demand note from NH authority.
2.4	Performance BG as per above is to be obtained	
2.4	Confirmation of BG has been obtained or not as per NH guidelines	If required, to be Submitted after getting demand note from NH authorities.
	Affidavit/ Undertaking from the Applicant for the following is to be furnished.	
2.5	Not to Damage to other utility, if damaged then pay the losses either to NH or to the concerned agency	Furnished, please refer point no 1 of Undertaking
2.6	For Renewal of Bank Guarantee	Renewal of Bank Guarantee shall be done as per the advice of NH authority.


Superintending Engineer
BED-I, TPSODL, Berhampur

CHECK LIST & GENERAL INFORMATION		
Sl No.	Item	Information /Status
2.7	For Confirming all standard condition of Ministry Circulars and NH's guideline.	Ok Noted and shall be complied as per the Circulars
2.8	For Shifting of UG Cable line as and when required by NH at their own cost.	Ok Noted and shall be complied.
2.9	For Shifting of Cable line due to 6 lanning / widening of NH	
	For Indemnity against all damages and claims	Ok Noted and shall be complied
2.1	For Traffic movement during laying of Cable pipe line to be managed by the applicant.	Ok Noted and shall be complied
2.11	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Ok Noted and shall be complied
2.12	Prior approval of the NH shall be obtained before undertaking any work if installation,shifting or repairs,or alterations to Cable line/any other utility located in the National Highway right-of-ways	Ok Noted and shall be complied
2.13	Expenditure, if any, incurred by NH for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Gas pipe line will be borne by the applicant agency owning the line	Ok Noted and shall be complied
2.14	If the NH 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 NH at the cost of agency owning the utility line a reasonable time (not exceeding 60 days) of the intimation given	Affidavit is furnished mentioning all these clauses,/stipulations
	Certificate from the applicant in the following format	
	(i)Laying of Cable line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	In the Present case no such sitution shall arise.
2.15	(ii)"We do undertake thatI will relocate service road/appoach .road/utilites at my own cost not withstanding the permission granted within suchtime as will be stipulated by NH "for future six-laning or any other developmernt."	Already mentioned in the Agreement
2.16	Who will sign the agreement on behalf of Cable line Agency?	Mr. Pravat Kumar Kar , Supertending Engineer,BED-1,TPSODL ,Courtpeta , Berhampur.
	The SE,BED-1 ,will submit the following Certificates.	
2.17	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road Transport and Highways Circular No.NH Wo/66/76 dated 18/19.11.1976,RW/NH I/P/66/76 dated 11.5.1982, RW/NH 11037/1/86/DOI (i) dated 28.7.1993, RVw/NH 11037/1/86/DOI dated 19.1.1995, RW/NH-340666/2/95/S&R dated 25.10.1999 and Circular No.RW/NH34066/7/2003 S&R (B) dated- 17.09.2003	All the relevant safety measures to be under taken during execution of work.
	it is certified that any other location of the Gas pipeline would be erernely difficult and unreasonable costly and the installation of Cable line within the ROW will not adversely affect the design stability. teaffic safety of the highway nor the likely tuture improvement such as widening of the carriageway,easing of curve etcl	The Licencess has applied to lay the Cable line in the proposed Route after due delebration.
	(a)Where feasibility is available "I do certify that there will be no hondrance to proposed six-laning based on the feasibility report considering proposed structure at the said location".	Existing 2 lane only
2.18	In case feasibility report isnot available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".	Not applicable


 Superintending Engineer
 BED-1, TPSODL, Berhampur

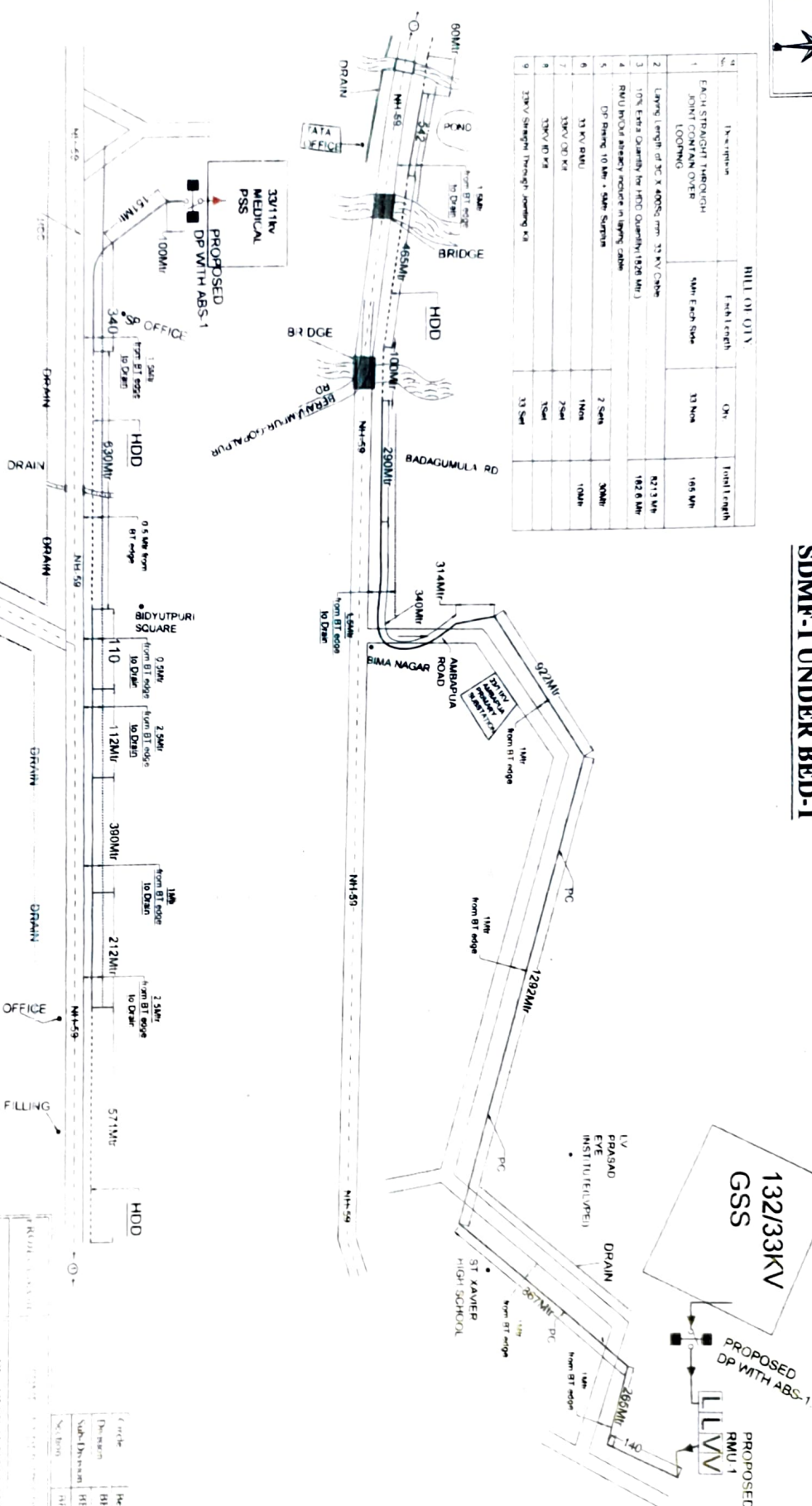
CHECK LIST & GENERAL INFORMATION		
SI No.	Item	Information /Status
2.19	Who will supervise the work of laying of Cable line	
	(a)On behalf of the Applicant	Project Team of BED-1 , TPSODL.
	(b)On behalf of NH/ Athorized Agency	Respective field officer of NH
3	Who will ensure that the defects in road portion after laying of Cable line are corrected and if not corrected then what action will be taken.	
	(a)On behalf of the Applicant	Project Team of BED-1 , TPSODL.
	(b)on behalf of NH	Respective field officer of NH
3.1	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	
	On behalf of the Applicant	TPSODL


 Superintending Engineer
 BED-1, TPSODL, Berhampur



SDMF-1 UNDER BED-1

BILL OF CITY				
No.	Description	Estim. Length	Qty.	Total Length
1	EACH STRAIGHT THROUGH JOINT CONTAIN OVER LOADING	44in Each Side	13 Nos.	165 Mts
2	Laying Length of 3C X 400cs mm. 22 kv Cable			821.9 Mts
3	10% Extra Quantity for WTD Quantity (1524 Mts)			182.8 Mts
4	RMU IN/OUT assembly include in laying cables			
5	DP Rating 10 kv + 54in Section		2 Sets	20Mts
6	22 kv RMU		1Nos.	10Mts
7	22KV DB 6k		2 Sets	
8	22KV DB 6k		1Set	
9	22KV Straight Through working kit		33 Set	



LEGEND:		QTY	ITEM
INSTALLATION		2108	024
PROPOSED DP WITH AB SWITCH		1140	1140
33KV PAU			1140
3C/4005mm 33KV UG CABLE		1425Mtr
HDD LENGTH		6.38 MTR
OPEN TRENCH LENGTH		
DRAIN		
BRIDGE		
NH 59		

NOTE:-

1. Total length of HDD - 1826Mtr.
2. Total length of Open Trench - 6387Mtr.

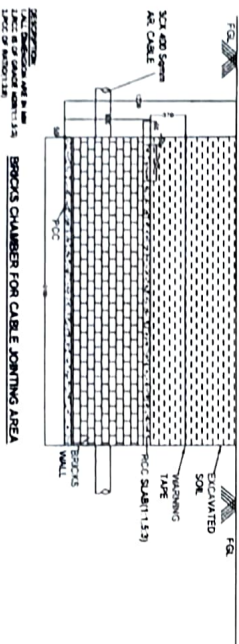
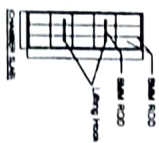
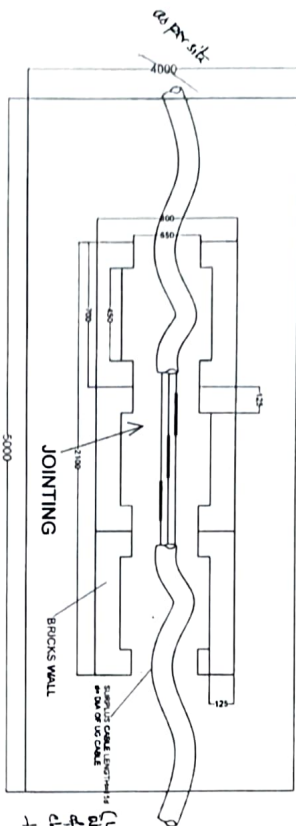
Superintending Engineer
BED-1, TP600L, Berhampur

Ajit Singh
Team Lead-Project
BED-1, TPSODL

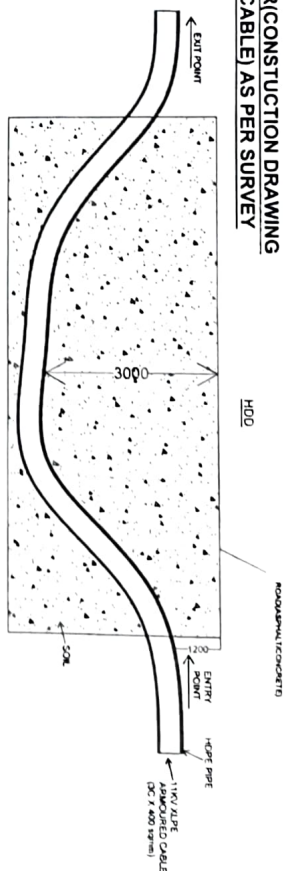
Pradip Das Adhikary
HOG-Projects TPSoDL

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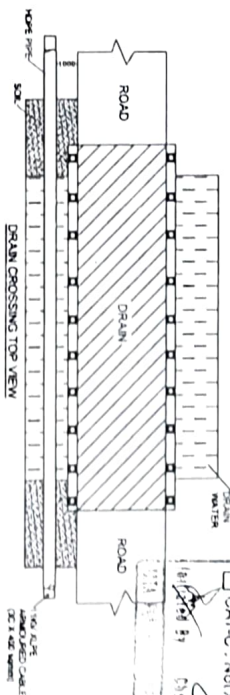
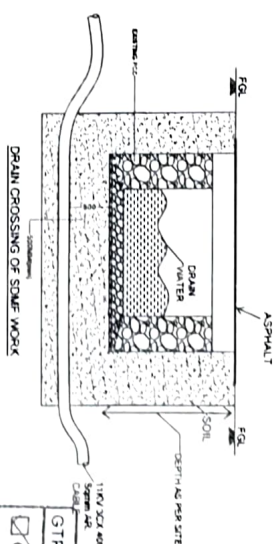
TPSODL, SDMF-1 Project, BERHAMPUR/CONSTRUCTION DRAWING FOR 11KV 3CX400sqmm, UG XLPE CABLE AS PER SURVEY



NOTE:
1. BRICK CHAMBER FOR CABLE JOINTING AREA AS PER PROVISION IN APPROVED CONSTRUCTION DRAWING.
2. AND CHAMBER PROVISION ON SDMF-1 BOULDER CHAMBER DESIGNED AS PER SCOPE IN GRC/PC No.420003222 BOQ No.37



NOTE:
1. MINIMUM DISTANCE TO BE MAINTAINED FROM OTHER UTILITY LINES SUCH AS OTHER POWER CABLE, CABLE, CABLE COMMUNICATION CABLE, GAS & WATER LINE ETC.



CLIENT	TATA POWER SOUTHERN ODISHA DISTRIBUTION LTD (TPSODL)
CONTRACTOR	M/S S K Mohapatra
PROJECT	SDMF-1 UNDER TPSODL
TITLE	DRAWING OF CABLE TRENCH-CABLE JOINTING CHAMBER, H/O DRAIN CROSSING
APPROVED BY	
DATE	20/11/2024

GTIDING APPROVAL

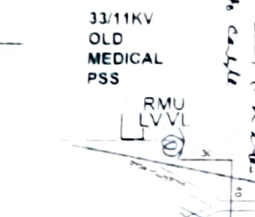
CAT-A: Approved
 CAT-B: Approved with comments (Resident for T.I.)
 CAT-C: Not Approved

Approved by: [Signature]
 Date: 20/11/2024

	NOTE		
	Each Length	Qty	Total Length
1	EACH STRAIGHT THROUGH JOINT CONTAIN OVER LOOPING	5Mir Each Side	10 Nos
2	HDD Lenth (10% Add)		10Mir
3	Laying Length of Cable + HDD Length(100MM)		2.542Mir
4	RMU In/Out Already Include in Laying Cable		
5	11KV Straight Through Jointing Kit		10 Set
6	11KV ID Kit		4 Set
7	11KV OD Kit		2 Set
8	DP Raising 10 Mir + 5 Mir Surplus		2Nos.
9	11kv RMU		24Mir
			2 Nos

5. CTT, drawings and any other Engineers drawings need to be submitted to the Group for review, approval and sign-off.

6. As per attached STD, 608 U AS on 11/11/2011, Poles, Structure, Cable, Technician Etc. and attached accessories are need to be provided for Road Edge to cable need to be installed.




LEGEND	
ITEM	DESCRIPTION
	CABLE
	MOD LINE
	STRAIGHT THROUGH JOINT
	MAIN ROAD
	STREET ROAD
	SURPLUS CABLE

Er. Paritosh Senapati
Project 2
BSc in Ppdi
12/12/2023

Andy Engen
N. Peoples

Superintending Engineer
BED-I, TP&DL, Berhampur

OVERLAPPING FOR STRAIGHT THROUGH JOINT - $5+5=10\text{mm}$

CLIENT	TATA POWER SOUTHERN ODISHA DISTRIBUTION LTD. (TPSODU)
CONTRACTOR	 M/S S K Mohapatra
PROJECT	SDMF-4 UNDER TPSODL
NAME OF FEEDER	1KV CITY HOSPITAL FEEDER FROM MCKC OLD MEDICAL P.S. TO CITY HOSPITAL
DATE	24.07.2019
WORKING	