



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, कॉलेज पार्क कॉम्पस, रोड नंबर-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना

Regional Office - Hyderabad,

First Floor, New Building, Administrative Staff College of India (ASCI), College Park Campus, Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

टेली / Tele : 040 - 29562147 / 48

ई-मेल / E-mail : rohyderabad@nhai.org
nhairohyd@gmail.com



भारतमाला
प्रगति के पथ पर चलना
BHARATMALA
ROAD TO PROSPERITY

Notice Inviting Public Comments

NHAI/RO-HYD/25011/11/2/2021/Utility/1946

Dt.01.11.2021

Sub: NHAI - RO Hyderabad - PIU Mancherla-Proposal for laying of Optical Fiber Cable from Km.42+000 to Km.68+522 (RHS), from Km.72+000 to Km.84+650 (RHS), Km.87+570 to Km. 90+030 (RHS), from Km.91+240 to Km.92+450 (RHS), From Km.49+975 to Km.55+900 (LHS), from Km.62+960 to Km.62+980 (LHS), from Km.68+050 to Km.68+522 (LHS), Km. 71+700 to Km.72+000 (LHS), from Km.90+040 to Km.91+240 (LHS), along the NH-363 (four laning stretch), from Km.315+358 to Km.31+430, from Km. 315+358 to Km. 317+900 (RHS), from Km.317+900 to Km.319+185 (LHS) on the existing NH-363 by Open trench Methodology and Highway crossings at Km.46+350, Km.47+650, Km.49+965, Km.50+100, Km.54+200, Km.54+800, Km.55+900, Km.58+100, Km.62+950, Km.65+080, Km.67+340, Km.68+000, Km.68+522 (LHS side and RHS side), Km.69+245, Km.72+000, Km.76+300, Km.83+900, Km.84+650, Km..88+500, Km.90+030, Km.90+200, Km.91+240, Km.92+450, Km. 316+370 (existing NH-363), and Km.317+900 (existing NH-363 across the Repallewada to TS/ MH border of NH-363 using HDD method in the State of Telangana- Reg..

Ref: 1. PD, PIU Mancherla Lr.no. NHAI/PIU/MNCL/Pkg.2/T-Fibre/2021/741, dated 27.10.2021

The Project Director, PIU, NHAI, Mancherla vide letter cited above has recommended the Proposal submitted by M/s.Telangana Fiber Grid Corporation Limited for laying of Optical Fiber Cable between Km. 42+000 to Km.94+602 along NH-363 by Open trench Methodology and across National Highway by HDD method on the Repallewada to TS/ MH Border of NH-363 in the State of Telangana and requesting to accord approval for the said proposal.

2. As per para 4 of the Ministry's guidelines no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, public comments is hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

Comment Inviting Authority

The Regional Officer,
National Highways Authority of India,
Regional Office: Hyderabad,
First Floor, New Building,
Administrative Staff College of India(ASCI),
College Park Campus, Road No.3,
Banjara Hills, Hyderabad - 500 034,
Telangana State,
Phone: 040-29562147, 040-29562148,
Email: rohyderabad@nhai.org, nhairohyd@gmail.com

Encls: Above Proposal

Yours faithfully,

(G.V. Bheemasena Reddy)

Dy. General Manager (Tech)

For Regional Officer-cum-

Highway Administrator, Hyderabad

To:

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.

2. Shri S.Manivasagam, Dy. GM (IT), NHAI HQs, New Delhi for uploading on NHAI website.

Copy to:-1. The Project Director, NHAI, PIU Mancherla: for information

2. M/s Telangana Fiber Grid Corporation Limited: for information

कारपोरेट कार्यालय : जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075. वेबसाइट : <http://www.nhai.org>

Corporate Office : G-5 & 6, Sector -10, Dwaraka, New Delhi - 110 075 Website : <http://www.nhai.org>

FORM-A

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways

Sub: NHAI - RO Hyderabad - PIU Mancherial-Proposal for laying of Optical Fiber Cable from Km.42+000 to Km.68+522 (RHS), from Km.72+000 to Km.84+650 (RHS), Km.87+570 to Km.90+030 (RHS), from Km.91+240 to Km.92+450 (RHS), From Km.49+975 to Km.55+900 (LHS), from Km.62+960 to Km.62+980 (LHS), from Km.68+050 to Km.68+522 (LHS), Km.71+700 to Km.72+000 (LHS), from Km.90+040 to Km.91+240 (LHS), along the NH-363 (four laning stretch), from Km.315+358 to Km.31+430, from Km. 315+358 to Km. 317+900 (RHS), from Km.317+900 to Km.319+185 (LHS) on the existing NH-363 by Open trench Methodology and Highway crossings at Km.46+350, Km.47+650, Km.49+965, Km.50+100, Km.54+200, Km.54+800, Km.55+900, Km.58+100, Km.62+950, Km.65+080, Km.67+340, Km.68+000, Km.68+522 (LHS side and RHS side), Km.69+245, Km.72+000, Km.76+300, Km.83+900, Km.84+650, Km..88+500, Km.90+030, Km.90+200, Km.91+240, Km.92+450, Km. 316+370 (existing NH-363), and Km.317+900 (existing NH-363 across the Repallewada to TS/ MH border of NH-363 using HDD method in the State of Telangana-Reg.

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments

Sl. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	

CHECK-LIST

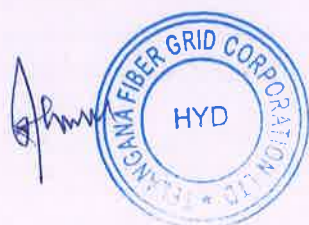
Guidelines for Project Directors for processing the proposal of laying optical fiber cable by private parties in the land along National Highways vested with NHAI.

Relevant circulars

- Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.09.2000.
- NHAI's circular No. NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensive guideline and draft license agreement for laying of OFC cable by private party in the land along National Highway vested with NHAI.
- Ministry's circular No. RW/NH-33044/27/2015-S&R(R) dated 22.11.2016. It is regarding the modification of previous Ministry's circular enhancing the amount of Performance Bank Guarantee and Charges for granting license for use of highway land.

Check list for getting approval for laying of optical fiber cables on NH land

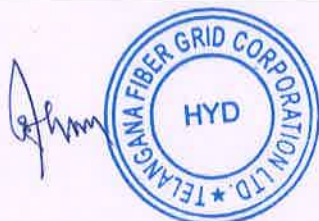
S.No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	M/S Telangana Fiber Grid Corporation Limited, 7th Floor splendid Tower, SP Road Begumpet, Hyderabad, Telangana-500003	
1.2	National Highway Number	NH-363	
1.3	State	Telangana	
1.4	Location	Rapellewada to Chandrapur-Maharashtra Border.	
1.5	(Chainage in km)	Between Km. 42/000 to Km. 92/450 (Annexure-A)	
1.6	Length in Meters	57298 Meters.	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction	20/22.5/30 Mtrs	
	(b) Right side from center line towards increasing chainage/km direction	20/22.5/30 Mtrs	
1.8	Proposal to lay the cable		
	(a) Left side from center line towards increasing chainage/km direction	18/20/28 Mtrs	



	(b) Right side from center line towards increasing chainage/km direction	18/20/28 Mtrs	
1.9	Proposal to acquire land	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route		
1.12	Number of lanes (2/4 / 6/8 lanes) existing	4 Lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 Lane	
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	18-21 Meters	
	(b) Right side from center line	18-21 Meters	
1.15	Proposed Service Road	Yes	
	(a) Left side from center Line		
	(b) Right side from center line		
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway	Beyond service road or in utility corridor,	
1.17	The permission for laying OFC shall be considered for approval/rejection		
	(i) Where the ROW is more than 45 m then the duct cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening.	At the edge of ROW within utility corridor of 2 Mtrs width	
	(ii) where land is yet to be acquired for 4 laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4-laning.	NA	
	(iii) Where the widening plan for 4-laning is not yet decided and available ROW is around 30m or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5m to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans.	NA	
	(iv) Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. highways in cutting through hilly/rolling terrain), the cable shall be laid clear of the drain.	NA	
	(v) Where land strip for utility corridor cannot be	NA	



	conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ducts, the permission may be refused.		
1.18	No. of applicants on the same stretch	1	
1.19	Whether the case of multiple licenses	No	
1.20	If so furnish a joint implementation programmer to lay their respective ducts within stipulated time frame.	NA	
1.21	If crossings of the road involved If Yes it shall only be through trench-less technology	Yes.	
2.	Document/Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.65m deep x 0.5m wide) Should not be greater than 1.2m in width in multiple ducts.	Yes, agreed	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes; Enclosed	
2.3	Strip plan/Route Plan showing the OFC, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important milestone, intersections, cross drainage works etc.	Yes; Enclosed	
2.4	Methodology for laying of OFC	Yes; Enclosed	
2.4.1	Open trenching method. If yes, Methodology of refilling of trench	Yes	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Laying OFC Through CD Works And Method Of Laying (Whether to be hung outside parapet)	No	
3.	Draft license Agreement signed by two witnesses	Yes	
4.	Performance Bank Guarantee	Shall be submitted as soon as permission obtain/Informed by NHAI-PIU, Mancherial	
4.2	Confirmation of BG has been obtained as per NHAI guidelines		
5	Affidavit/ Undertaking from the Applicant for		
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	
5.2	Renewal of Bank Guarantee		
5.3	Confirming all standard condition of NHAI's guideline	Yes ; Enclosed	
5.4	Shifting of OFC as and when required by NHAI	Yes ; Enclosed	
5.5	Shifting due to 4laning / widening of NH	Yes ; Enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes ; Enclosed	
5.7	Traffic movement during laying of OFC to be managed by the applicant	Yes, Traffic movement will be managed by the applicant	
5.8	If any claim is raised by the Concessionaries then	Yes ; Enclosed	



	the same has to be paid by the applicant		
5.9	Certificate for 6-lanning from the applicant in following format "We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-lanning or any other development."	Yes ; Enclosed	
6.	Power of Attorney in favor of authorized signatory	Yes ; Enclosed	
7.	Copy of DOT license		
8.	Certificate from the Project Director		
8.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.9.2000 and NHAI's guidelines issued vide No. NHAI/OEC/2k/Vol II dated 7.11.2000 and Ministry's Circular No. RW/NH-33044/27/2000-S&R dated 21.3.2006.	Yes	
8.2	Certificate for 4-lanning from PD in the following format.	Yes	
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location. (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".		
9.	The agreement fee of Rs. 1 shall be charged	Yes	
10.	If NH section proposed to be taken up by NHAI on BOT basis - a clause in para 17 to be inserted in the agreement. <i>"The permitted Highway on which Licensee has been granted the right to lay cable/duct has also ben granted as a right of way to the concessionaire under the concession agreement for up=gradation of [..... section from Km ----- to km ----- of NMH No.- ----- on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."</i>	<i>"The permitted Highway on which Licensee has been granted the right to lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for upgradation of Design, Construction, Development, Finance, Operation and Maintenance of Km.00.000/251.900 existing (IB Circle, Mancherial) to 94.602/342.000 existing (Telangana-MH Border) of NH-363 in the State of Telangana</i>	
11.	Who will supervise the work of laying OFC	M/S Telangana Grid corporation Limited (State Implementation Agency) BBNL Project for Government of Telangana	



12.	Who will ensure that the defects in road portion after laying of OFC are corrected and if not corrected then what action will be taken.	M/S Telangana fiber Grid corporation Limited(State Implementation Agency) BBNL Project for Government of Telangana.	
13.	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire	M/S Telangana Fiber Grid corporation Limited (State Implementation Agency) BBNL Project for Government of Telangana.	
14.	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed) issued vide Ministry Circular No. RW/NH/33044/17/2000/S&R dated 23.7.2003.	Yes	
15.	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH-33044/27/2015-S&R(R) dated 22.11.2016) as referred in para 13 above is enclosed or not.		



Annuxure-A

S.No	Chainage		Alignment (LHS/RHS)	Length(in Mtrs)
	From (Km)	To (Km)		
1	42.000	44.100	RHS	2100
2	44.100	61.700	RHS	17600
3	49.975	55.900	LHS	5925
4	61.700	68.522	RHS	6822
5	62.960	62.980	LHS	20
6	68.050	68.522	LHS	472
7	315.358	316.430	LHS	1072
8	315.358	317.900	RHS	2542
9	317.900	319.185	LHS	1285
10	71.700	72.000	LHS	300
11	72.000	73.500	RHS	1500
12	73.500	84.650	RHS	11150
13	87.570	90.030	RHS	2460
14	90.040	91.240	LHS	1200
15	91.240	92.450	RHS	1210
Along Road Length (In Meters)				55658
Across the Road				
1	46.350	46.350	Road Crossing	60
2	47.650	47.650	Road Crossing	60
3	49.965	49.975	Road Crossing	45
4	50.100	50.100	Road Crossing	45
5	54.200	54.280	Road Crossing	100
6	54.800	54.835	Road Crossing	100
7	55.900	55.900	Road Crossing	60
8	58.100	58.100	Road Crossing	60
9	62.950	62.960	Road Crossing	45
10	65.080	65.080	Road Crossing	60
11	67.340	67.350	Road Crossing	60
12	68.000	68.050	Road Crossing	40
13	68.522 (LHS)	68.522 (LHS)	Road Crossing	150
14	68.522 (RHS)	68.522 (RHS)	Road Crossing	150
15	69.245	69.245	Road Crossing	60
16	316.370	316.380	Road Crossing	40
17	317.900	317.900	Road Crossing	40
18	72.000	72.000	Road Crossing	60
19	76.300	76.300	Road Crossing	60
20	83.900	83.900	Road Crossing	45
21	84.650	84.670	Road Crossing	45
22	88.500	88.500	Road Crossing	60
23	90.030	90.040	Road Crossing	45
24	90.200	90.200	Road Crossing	45
25	91.240	91.240	Road Crossing	60
26	92.450	92.450	Road Crossing	45
Across Total Length (In Meter)				1640
Total Length (In Meters)				57298



[Enclosure - Ministry Circular No. RW/NH-33044/27/2015-S&R(R) dated 22.11.2016]
Format for Maintaining Records of Right-of-Way permission granted for laying OFC
(to be maintained separately for every NH and State)

- 1 Name of State : Telangana
- 2 Name of Agency : NHAI, PIU-Mancherial
- 3 NH Number : NH-363

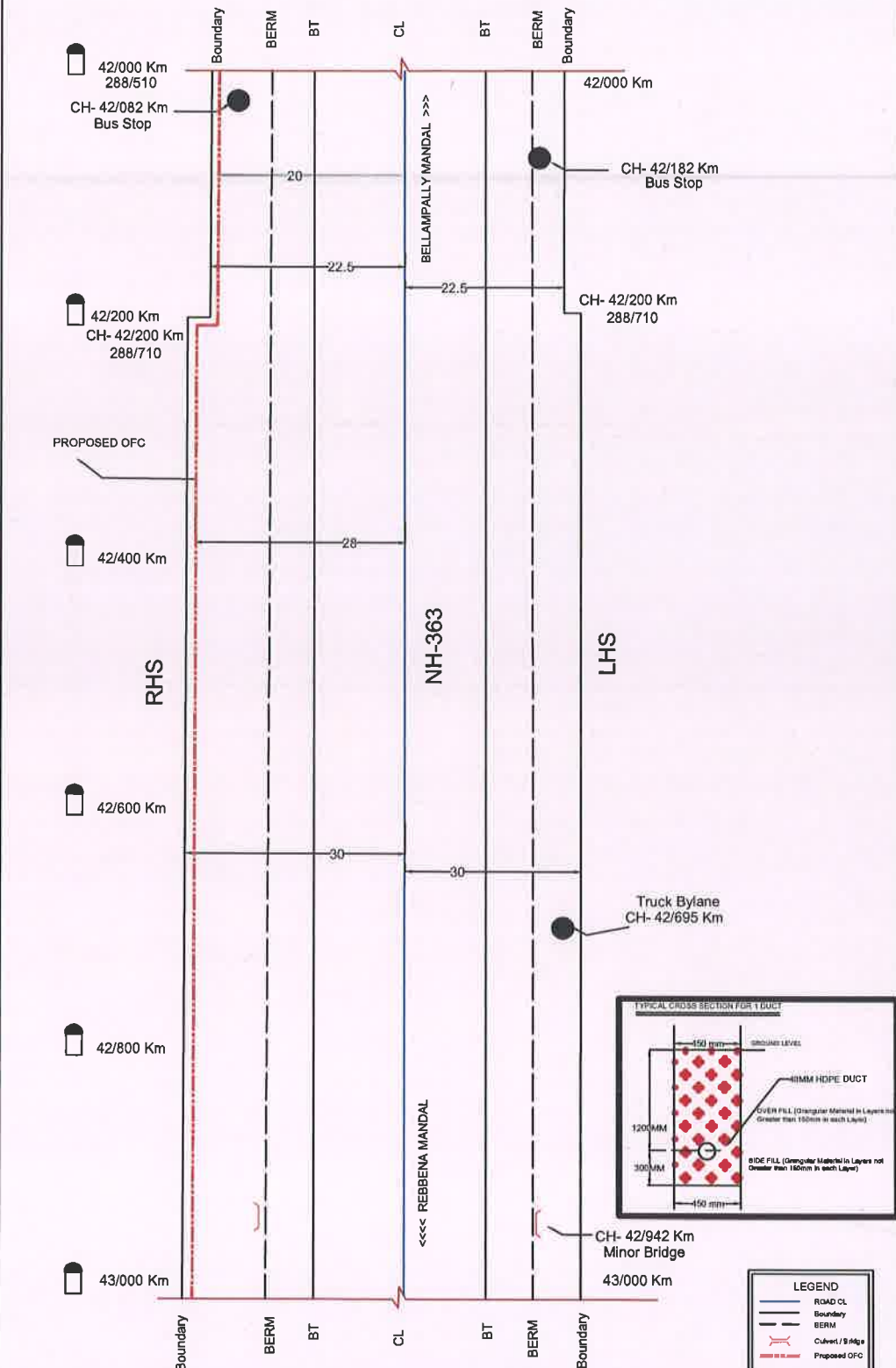
S.No	Location (change in Km)	Left or right side of NH (towards increasing chainage/km direction)	Section and reach	Kind of service	Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
1	Km 42.000 to Km 44.100	RHS		Telecom	M/S Telangana Fiber Grid Corporation Limited, 7th Floor splendid Tower, SP Road Begumpet, Hyderabad, Telangana-500003					
2	Km 44.100 to Km 61.700	RHS								
3	Km 49.975 to Km 55.900	LHS								
4	Km 61.700 to Km 68.522	RHS								
5	Km 62.960 to Km 62.980	LHS								
6	Km 68.050 to Km 68.522	LHS								
7	Km 315.358 to Km 316.430	LHS								
8	Km 315.358 to Km 317.900	RHS								
9	Km 317.900 to Km 319.185	LHS								
10	Km 71.700 to Km 72.000	LHS								
11	Km 72.000 to Km 73.500	RHS								
12	Km 73.500 to Km 84.650	RHS								
13	Km 87.570 to Km 90.030	RHS								
14	Km 90.040 to Km 91.240	LHS								
15	Km 91.240 to Km 92.450	RHS								
27	Km 46.350 to Km 46.350	Road Crossing			M/S Telangana Fiber Grid Corporation Limited, 7th Floor splendid Tower, SP Road Begumpet, Hyderabad, Telangana-500003					No
28	Km 47.650 to Km 47.650	Road Crossing								
29	Km 49.965 to Km 49.975	Road Crossing								
30	Km 50.100 to Km 50.100	Road Crossing								
31	Km 54.200 to Km 54.280	Road Crossing								
32	Km 54.800 to Km 54.835	Road Crossing								
33	Km 55.900 to Km 55.900	Road Crossing								
34	Km 58.100 to Km 58.100	Road Crossing								
35	Km 62.950 to Km 62.960	Road Crossing								
36	Km 65.080 to Km 65.080	Road Crossing								
37	Km 67.340 to Km 67.350	Road Crossing								
38	Km 68.000 to Km 68.050	Road Crossing								
39	Km 68.522 (LHS) to Km 68.522 (LHS)	Road Crossing								
40	Km 68.522 (RHS) to Km 68.522 (RHS)	Road Crossing								
41	Km 69.245 to Km 69.245	Road Crossing								
42	Km 316.370 to Km 316.380	Road Crossing								



S.No	Location (change in Km)	Left or right side of NH (towards increasing chainage/km direction)	Section and reach	Kind of service	Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
43	Km 317.900 to Km 317.900	Road Crossing								
44	Km 72.000 to Km 72.000	Road Crossing								
45	Km 76.300 to Km 76.300	Road Crossing								
46	Km 83.900 to Km 83.900	Road Crossing								
47	Km 84.650 to Km 84.670	Road Crossing								
48	Km 88.500 to Km 88.500	Road Crossing								
49	Km 90.030 to Km 90.040	Road Crossing								
50	Km 90.200 to Km 90.200	Road Crossing								
51	Km 91.240 to Km 91.240	Road Crossing								
52	Km 92.450 to Km 92.450	Road Crossing								



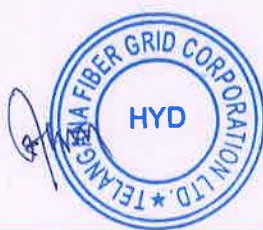
NH-363 - 42/000 to 43/000 km

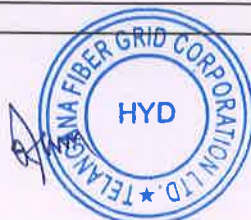
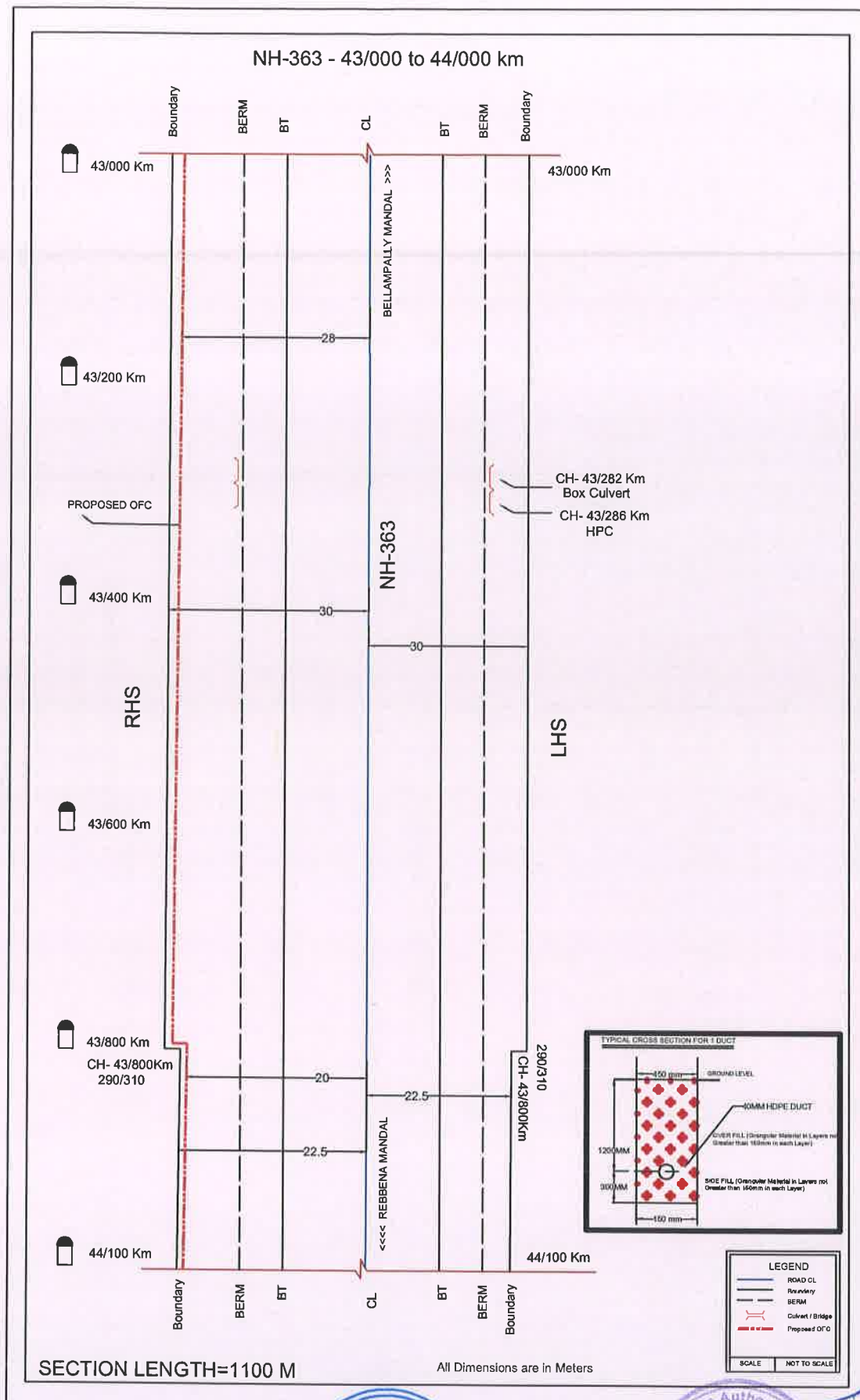


SECTION LENGTH=1000 M

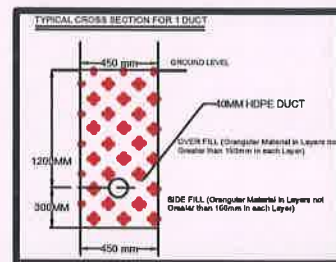
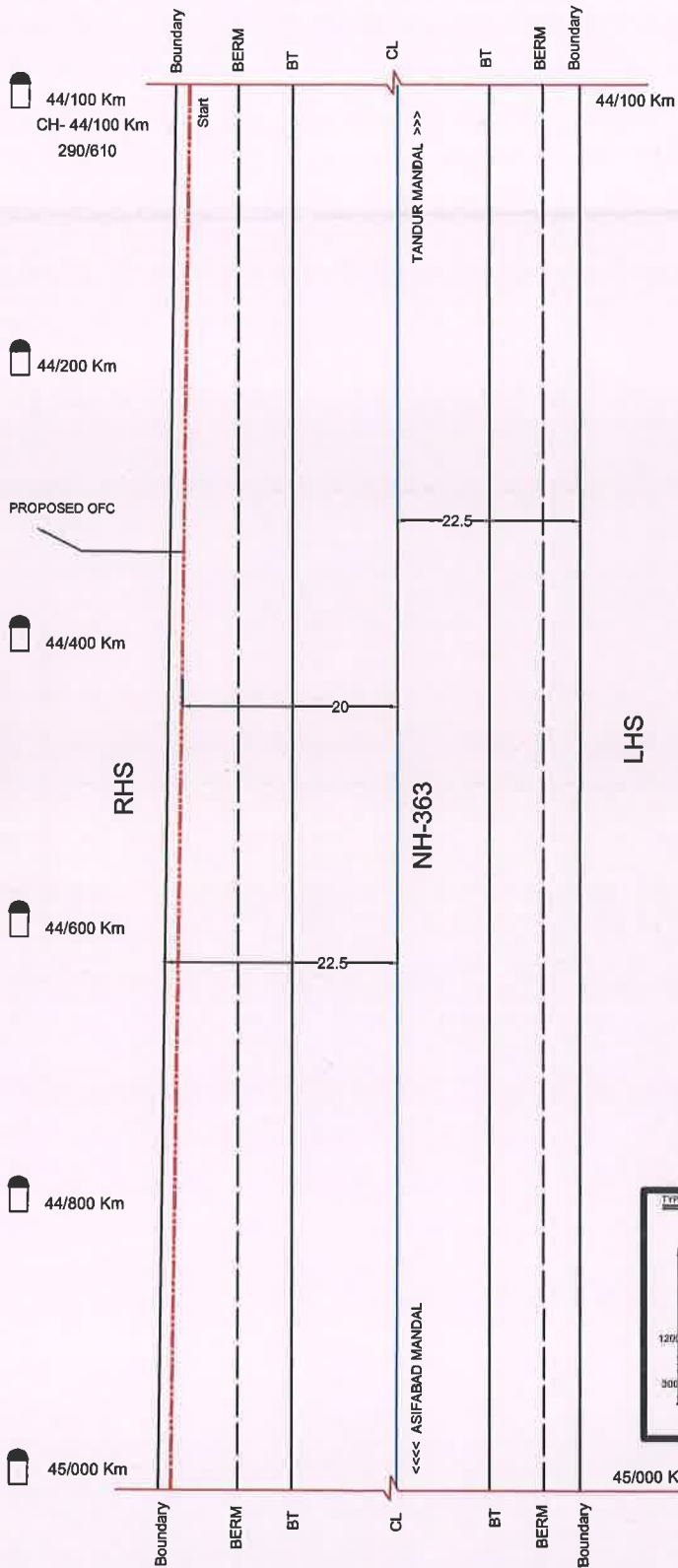
All Dimensions are in Meters

LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE





NH-363 - 44/100 to 45/000 km



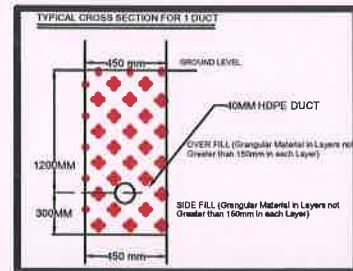
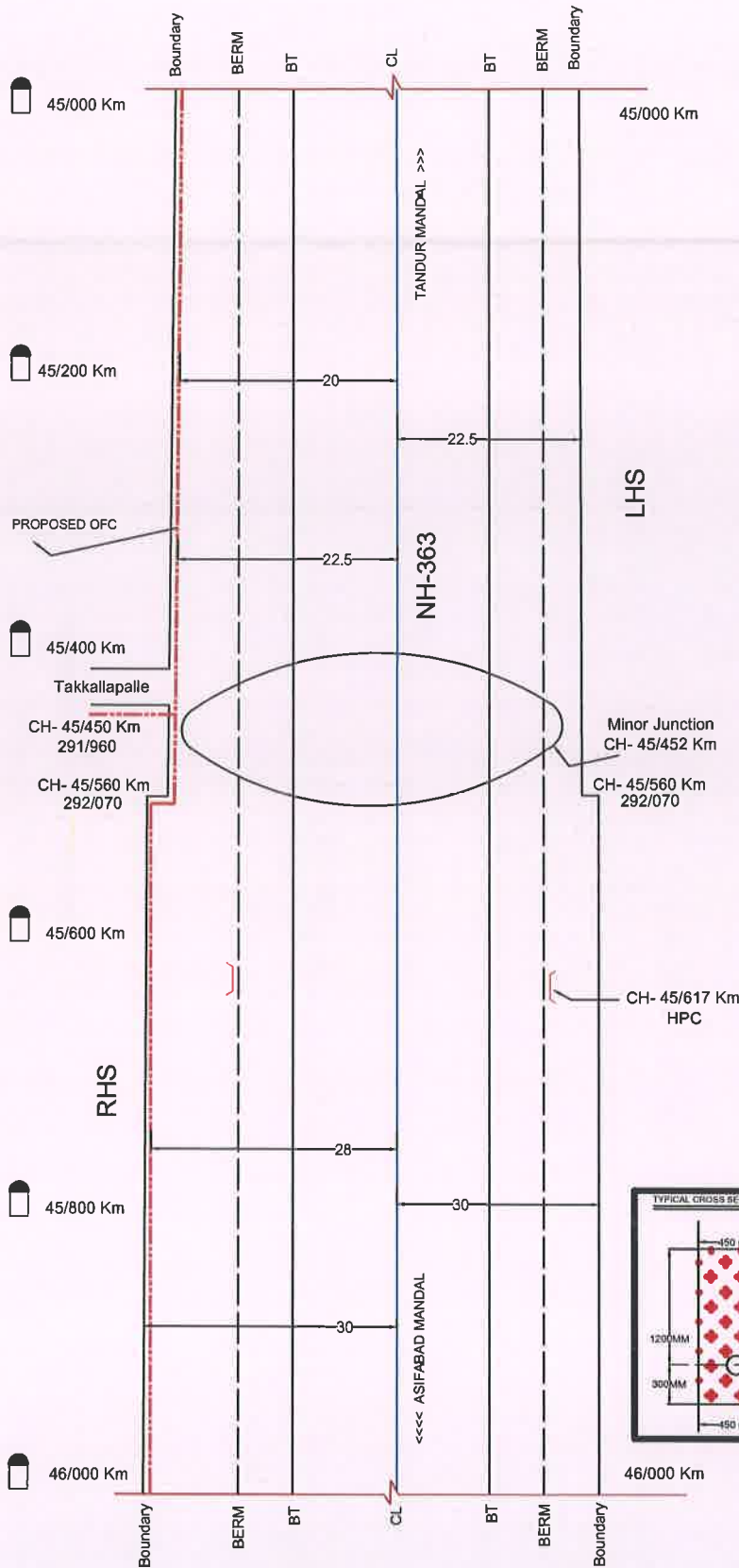
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE: NOT TO SCALE	

SECTION LENGTH=900 M

All Dimensions are in Meters



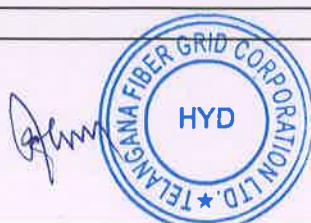
NH-363 - 45/000 to 46/000 km



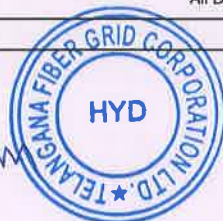
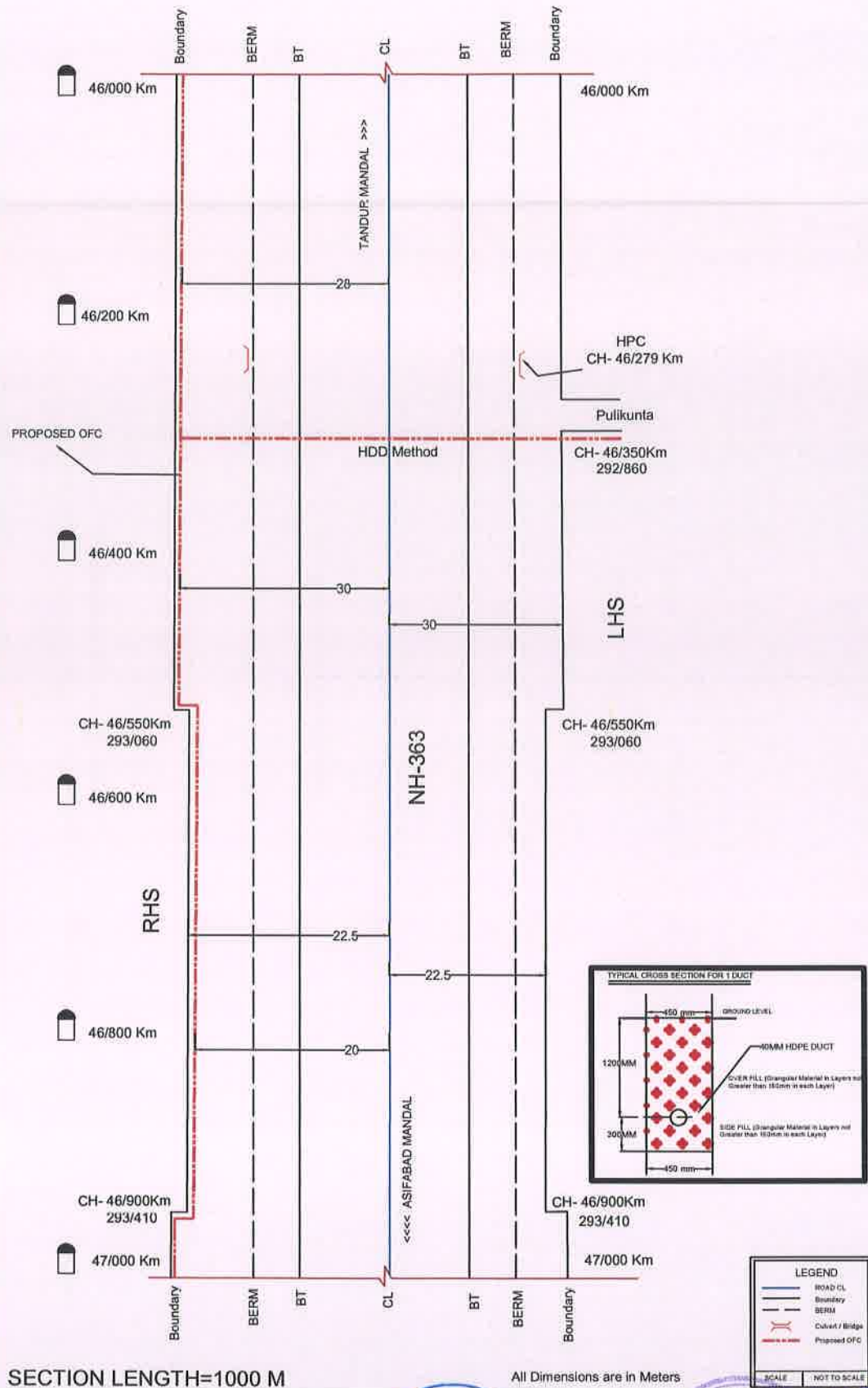
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

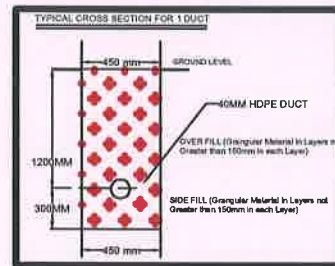
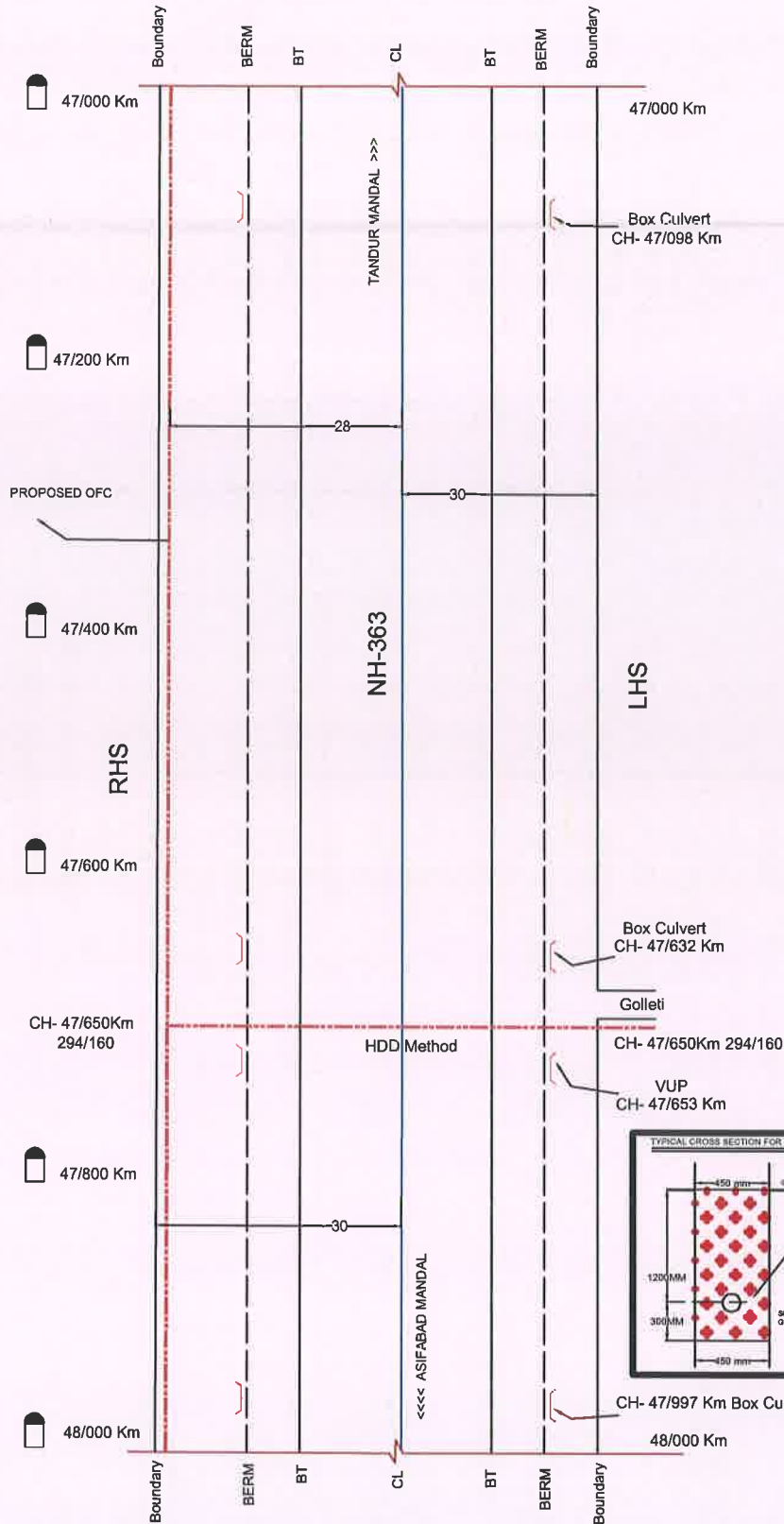
All Dimensions are in Meters



NH-363 - 46/000 to 47/000 km



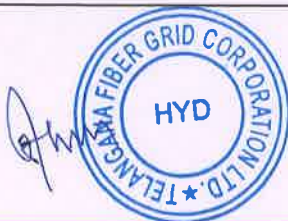
NH-363 - 47/000 to 48/000 km



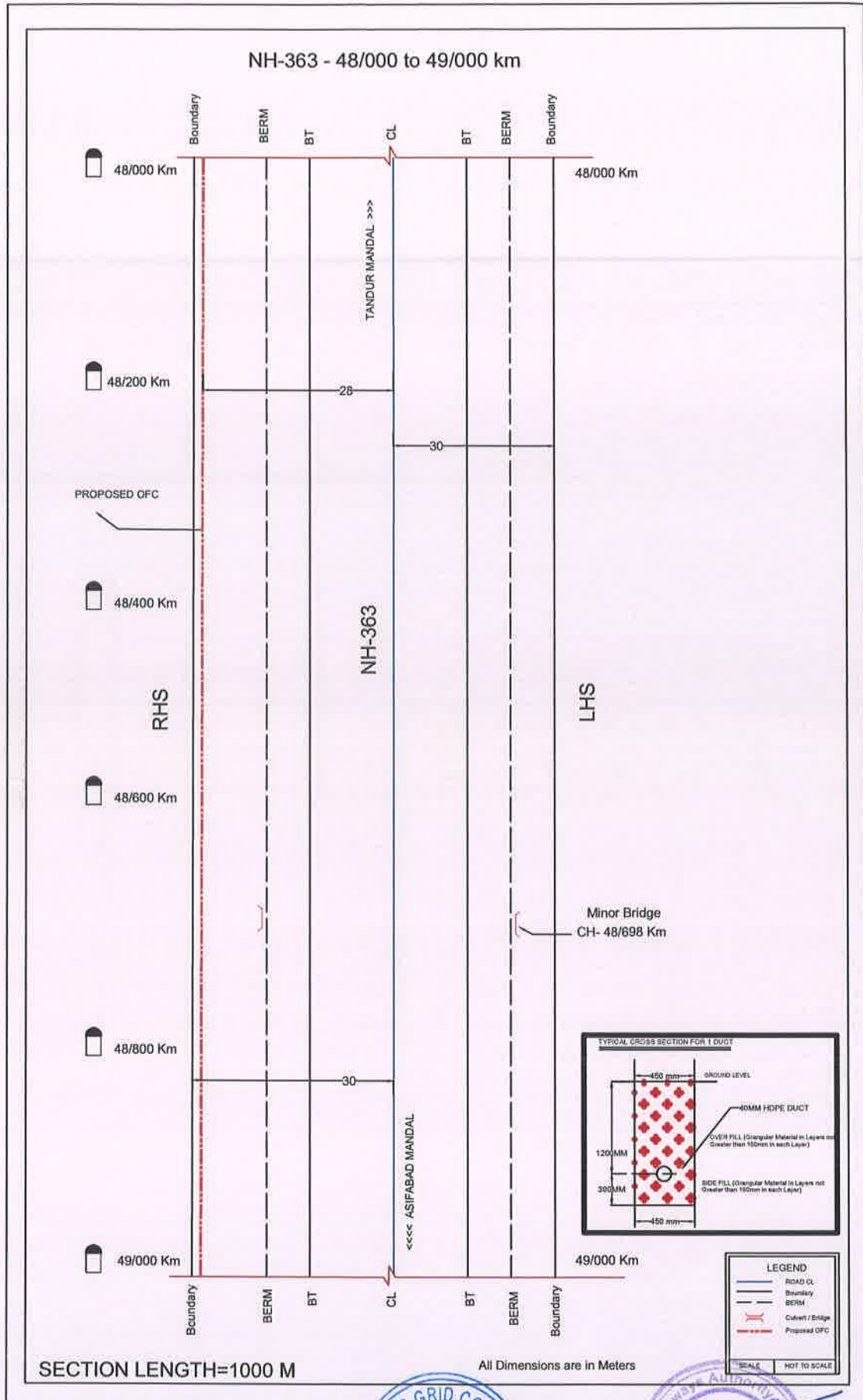
LEGEND	
—	ROAD CL
---	Boundary
---	BERM
---	Culvert / Bridge
---	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

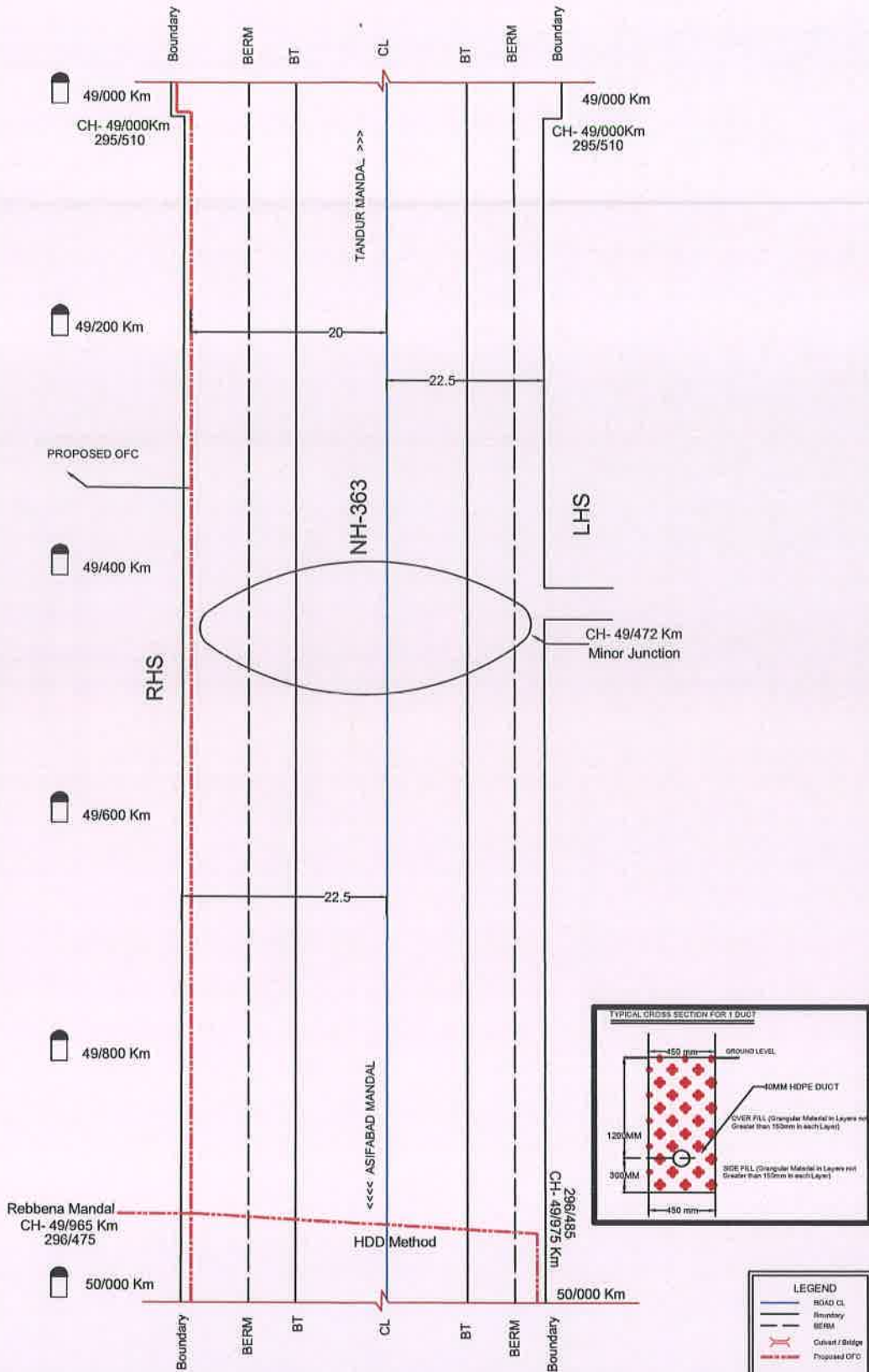
All Dimensions are in Meters



NH-363 - 48/000 to 49/000 km

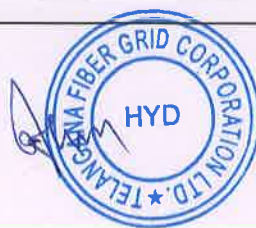


NH-363 - 49/000 to 50/000 km

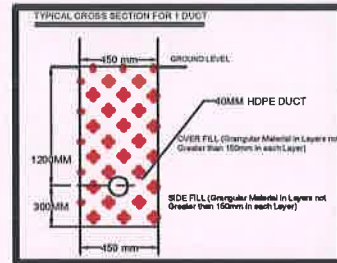
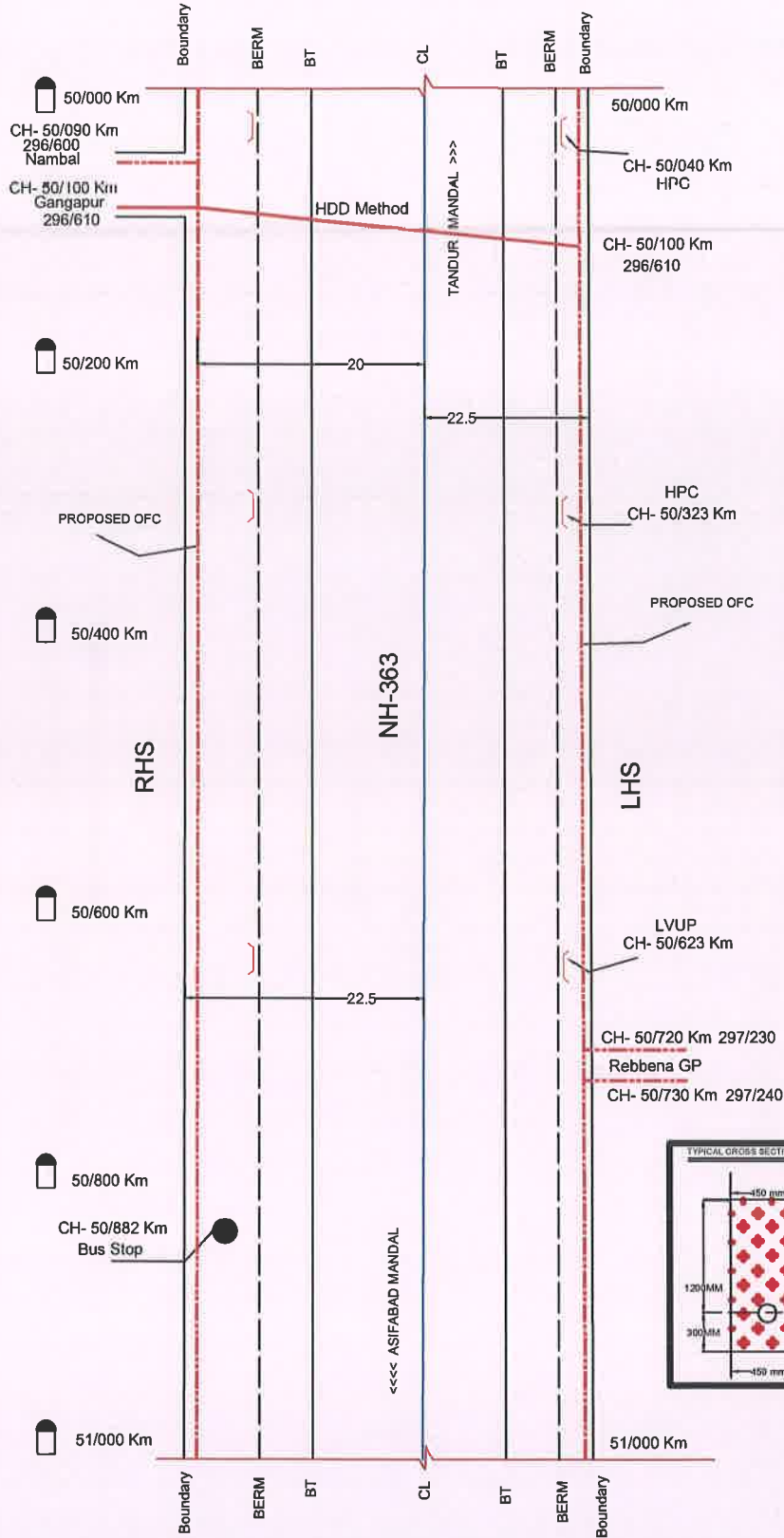


SECTION LENGTH=1000 M

All Dimensions are in Meters



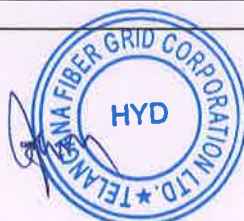
NH-363 - 50/000 to 51/000 km



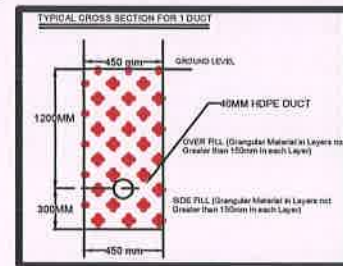
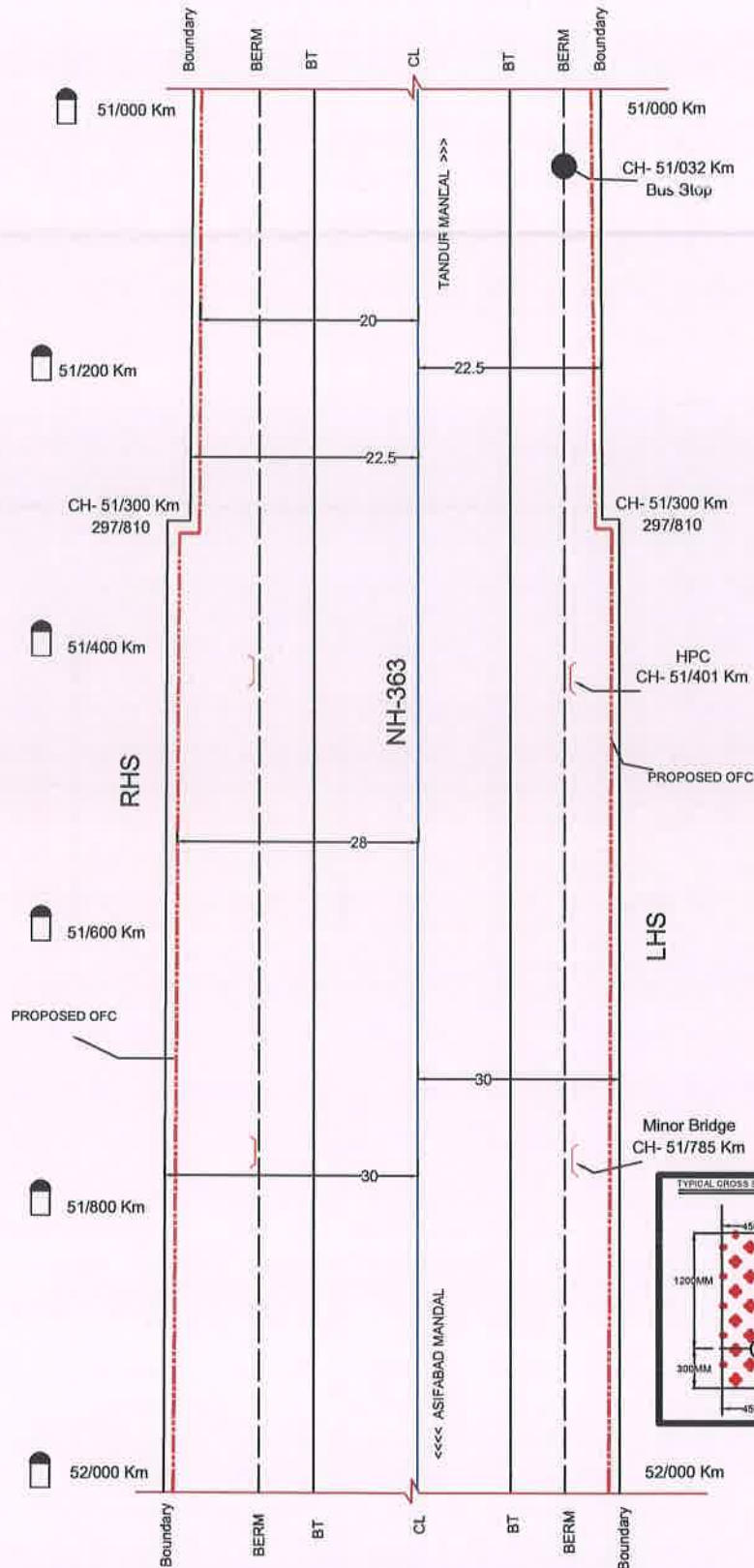
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed CH-C
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are In Meters



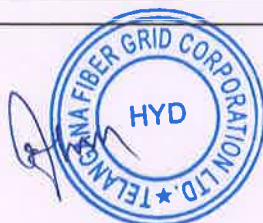
NH-363 - 51/000 to 52/000 km



LEGEND	
—	ROAD CL
---	Boundary
---	BERM
---	Cutback / Bridge
---	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 52/000 to 53/000 km

52/000 Km

52/200 Km

52/400 Km

52/600 Km

52/800 Km

53/000 Km

Boundary

BERM

BT

CL

TANDUR MANDAL >>>

<<<< ASIFABAD MANDAL

PROPOSED OFC

CH- 52/312 Km Minor Junction

CH- 52/630 Km HPC

RHS

LHS

SECTION LENGTH=1000 M

All Dimensions are in Meters

LEGEND

- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE 1:1000

NOT TO SCALE

TYPICAL CROSS SECTION FOR 10M

450 mm

GROUND LEVEL

40MM HDPE DUCT

OVER FILL (Dispersible Material in Layers not Greater than 150mm in each Layer)

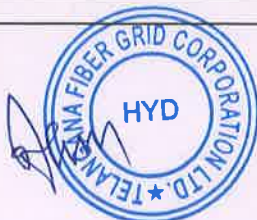
120MM

300MM

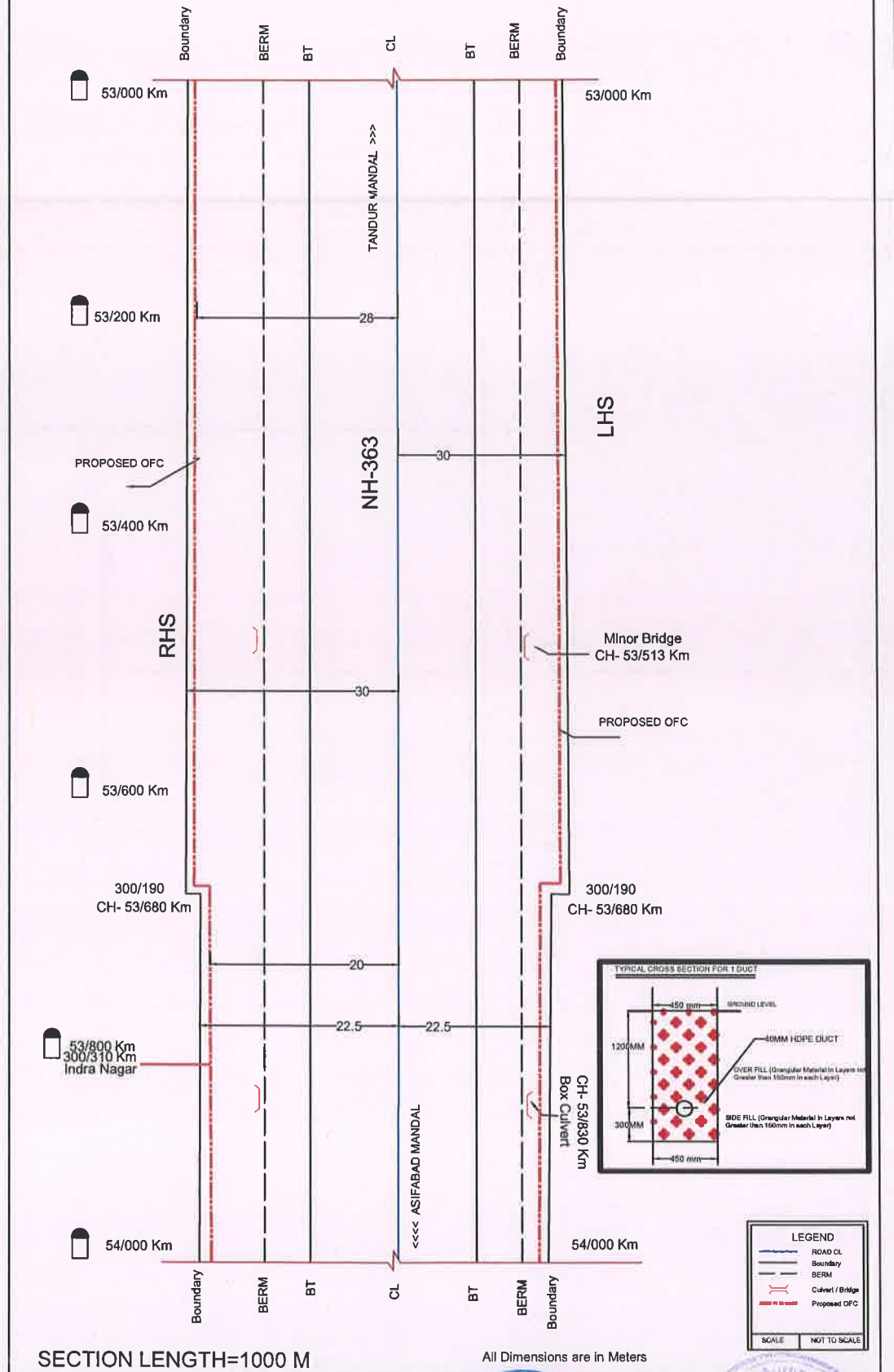
450 mm

SIDE FILL (Dispersible Material in Layers not Greater than 150mm in each Layer)

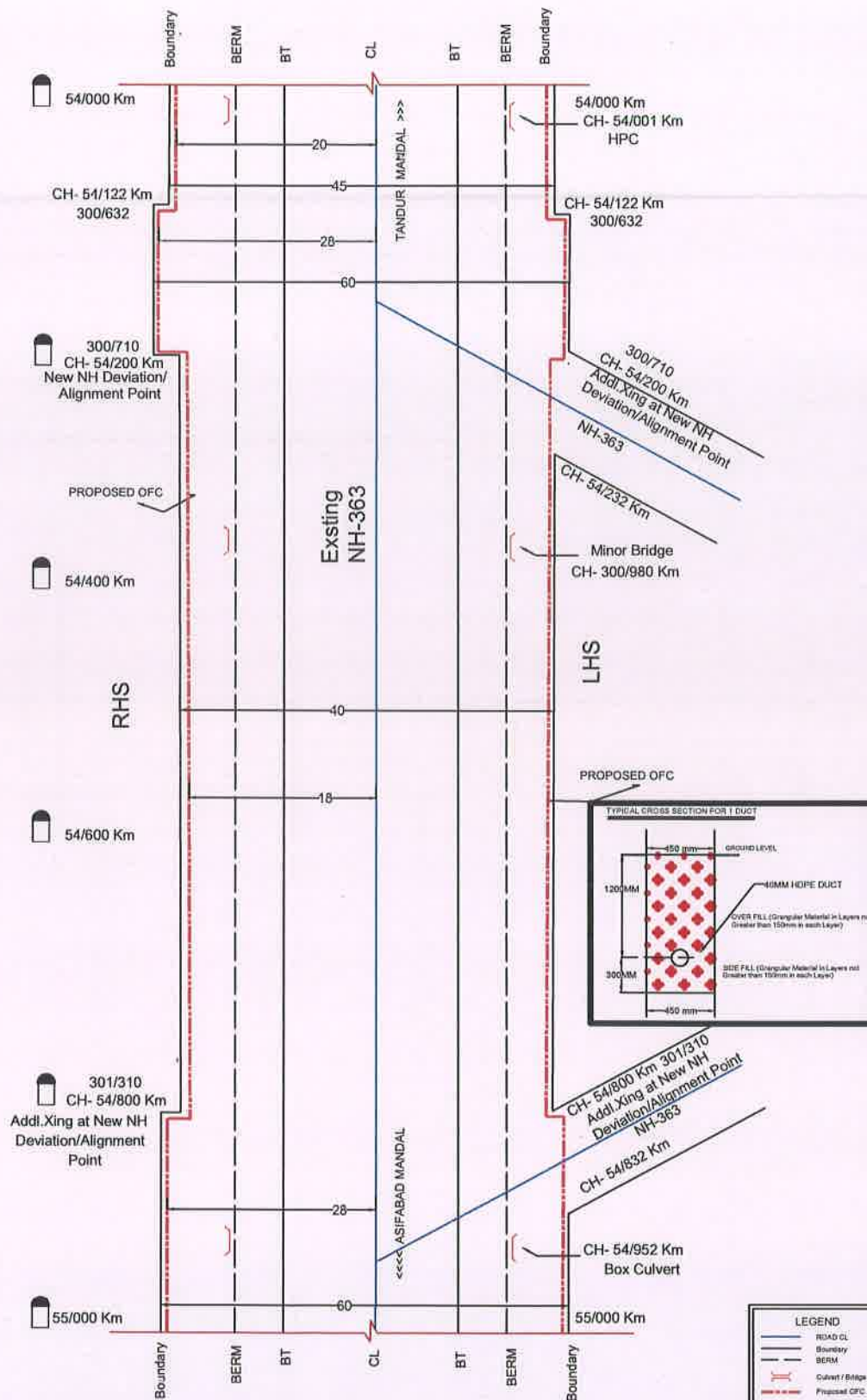
All Dimensions are in Meters



NH-363 - 53/000 to 54/000 km



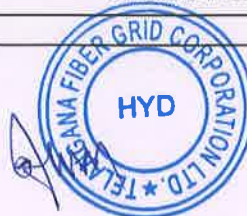
NH-363 - 54/000 to 55/000 km



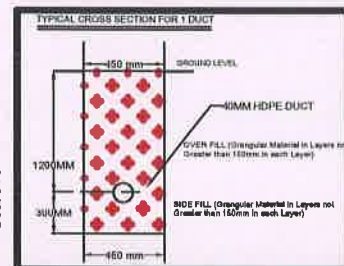
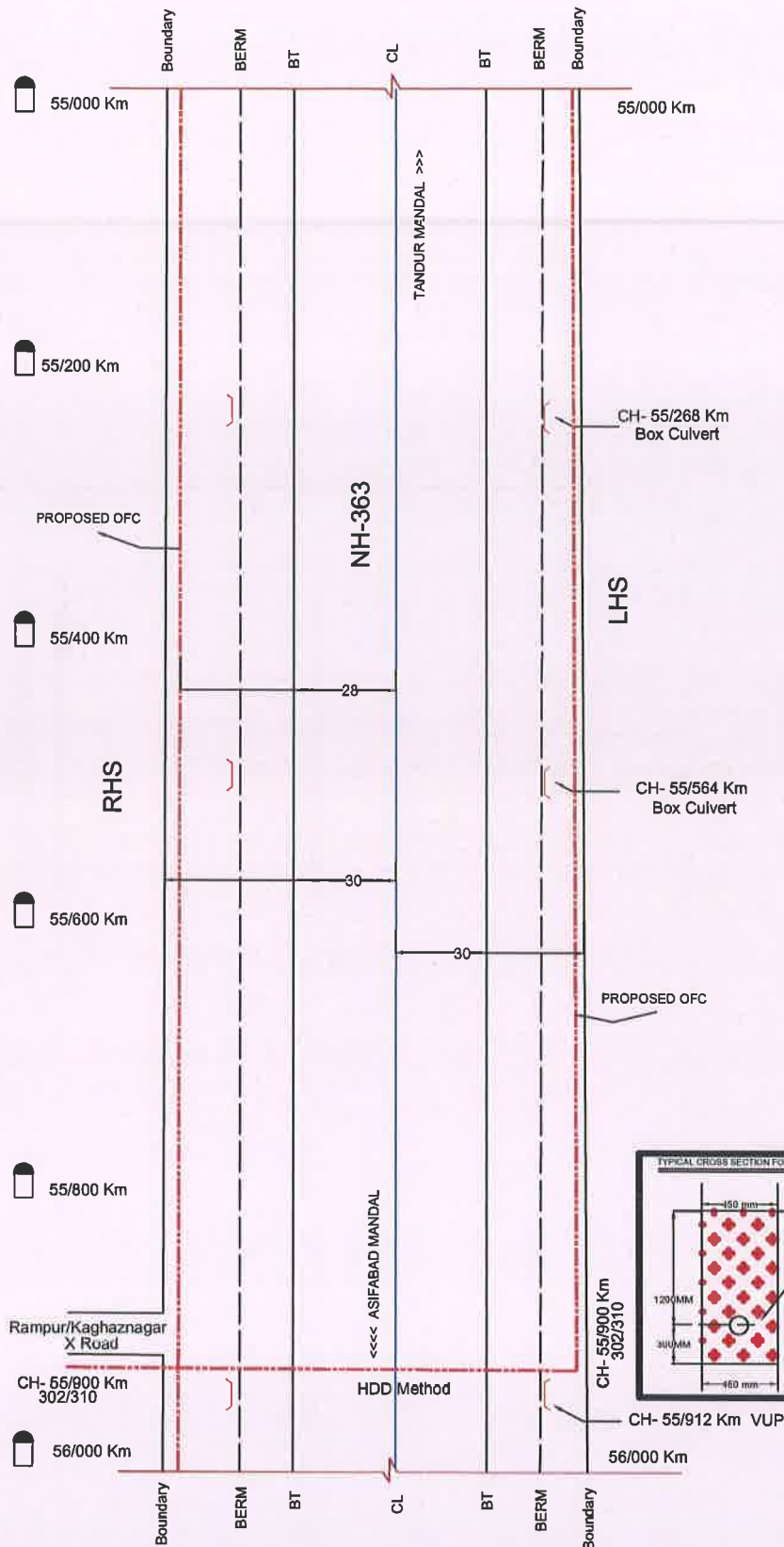
SECTION LENGTH=1000 M

All Dimensions are in Meters

LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE



NH-363 - 55/000 to 56/000 km



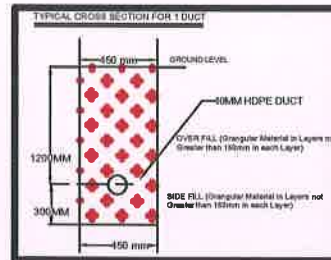
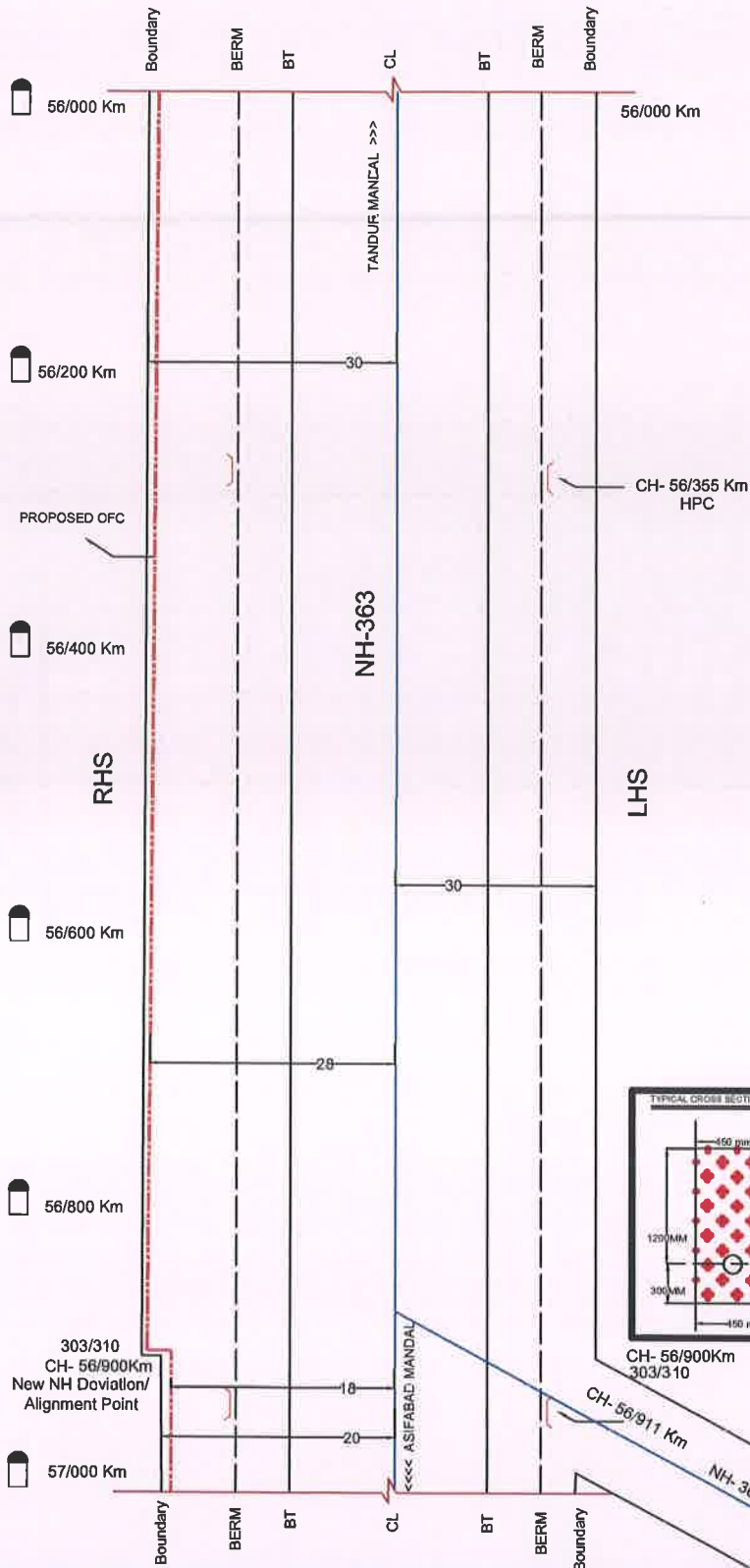
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are In Meters



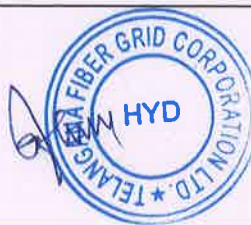
NH-363 - 56/000 to 57/000 km



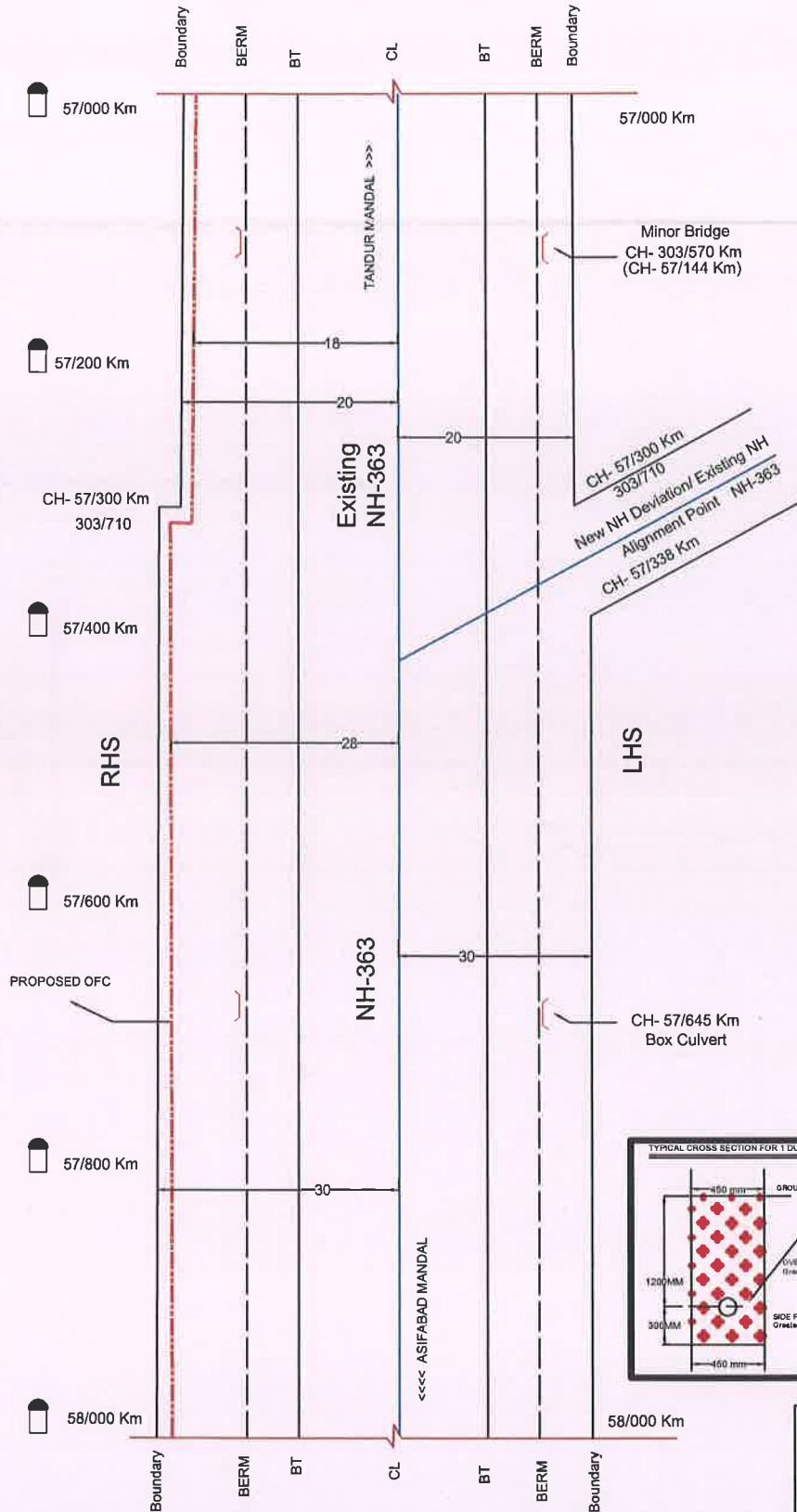
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 57/000 to 58/000 km

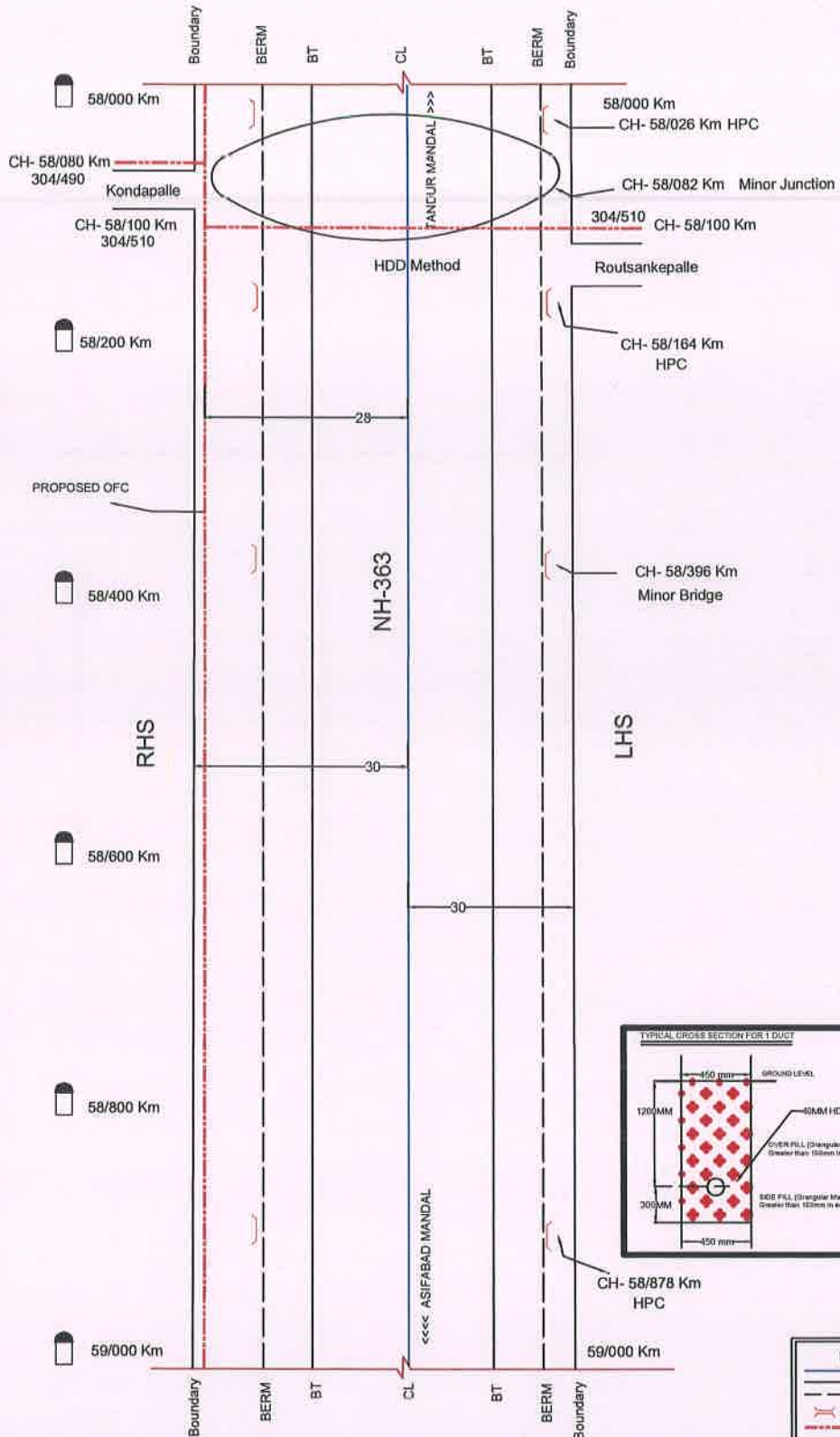


SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 58/000 to 59/000 km

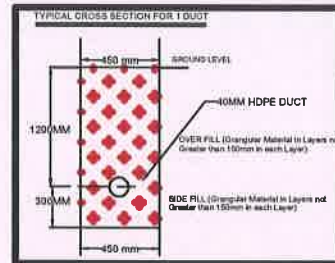
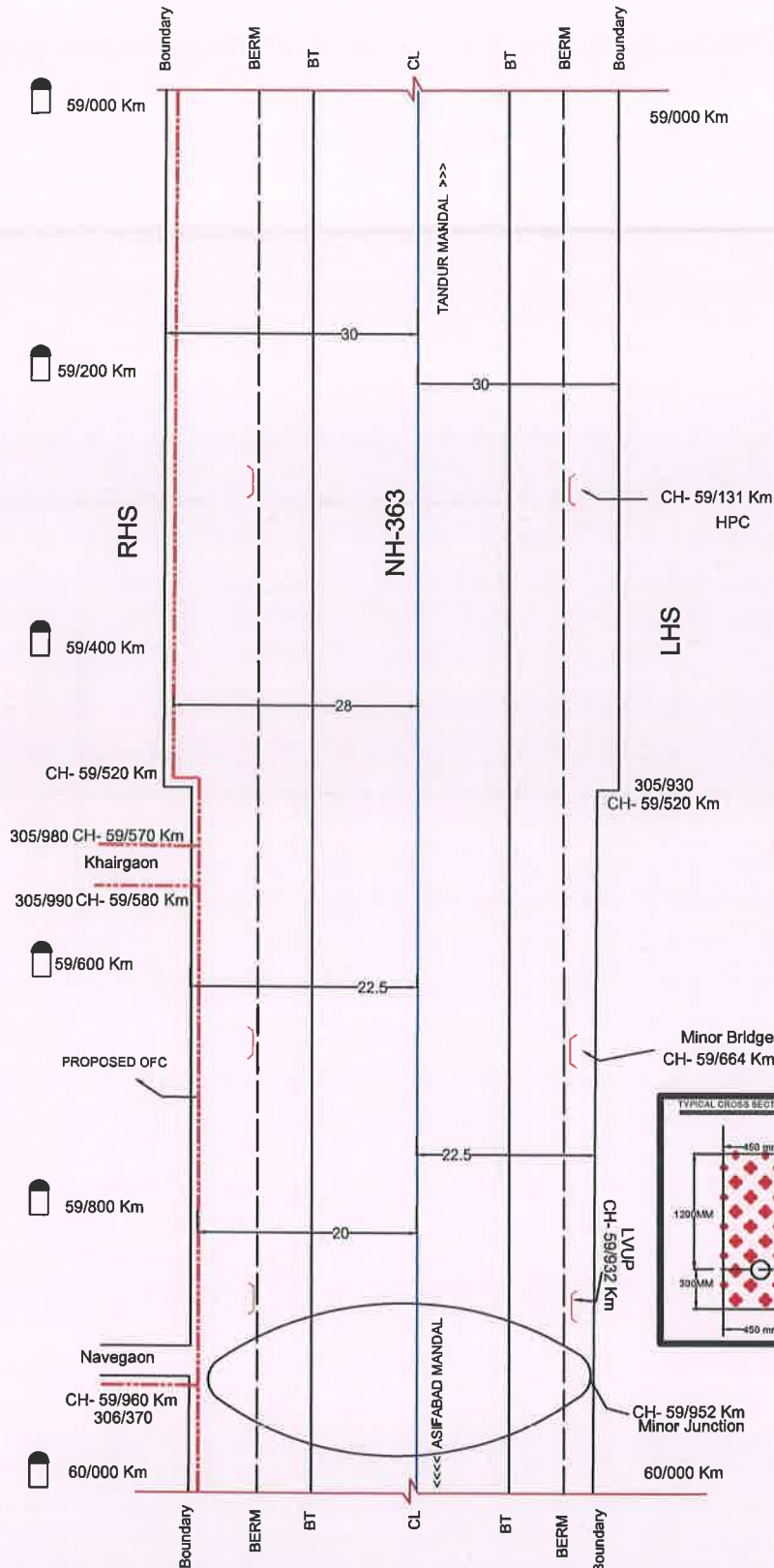


SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 59/000 to 60/000 km



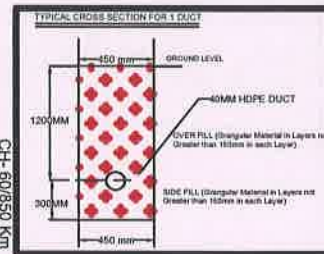
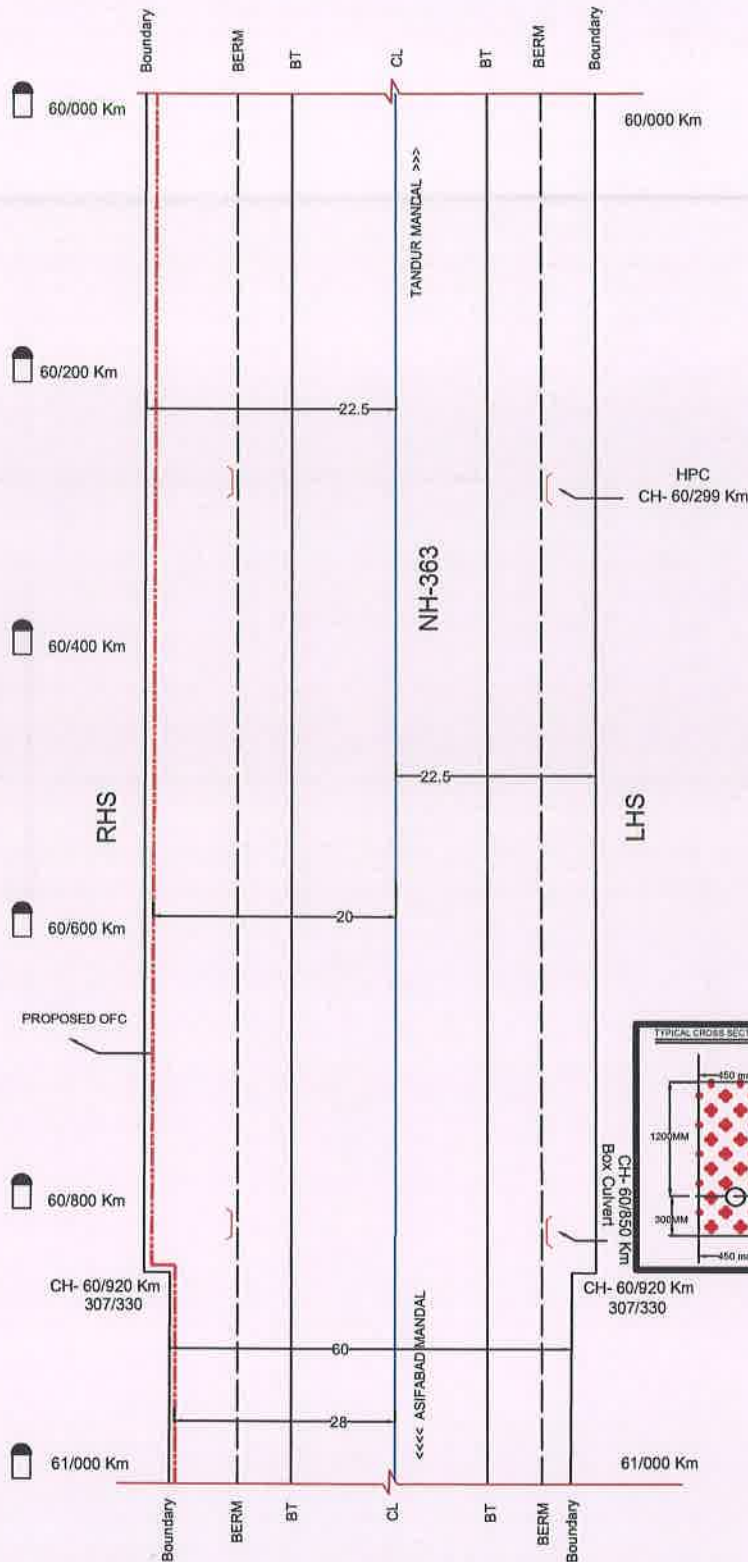
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE: NOT TO SCALE	

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 60/000 to 61/000 km



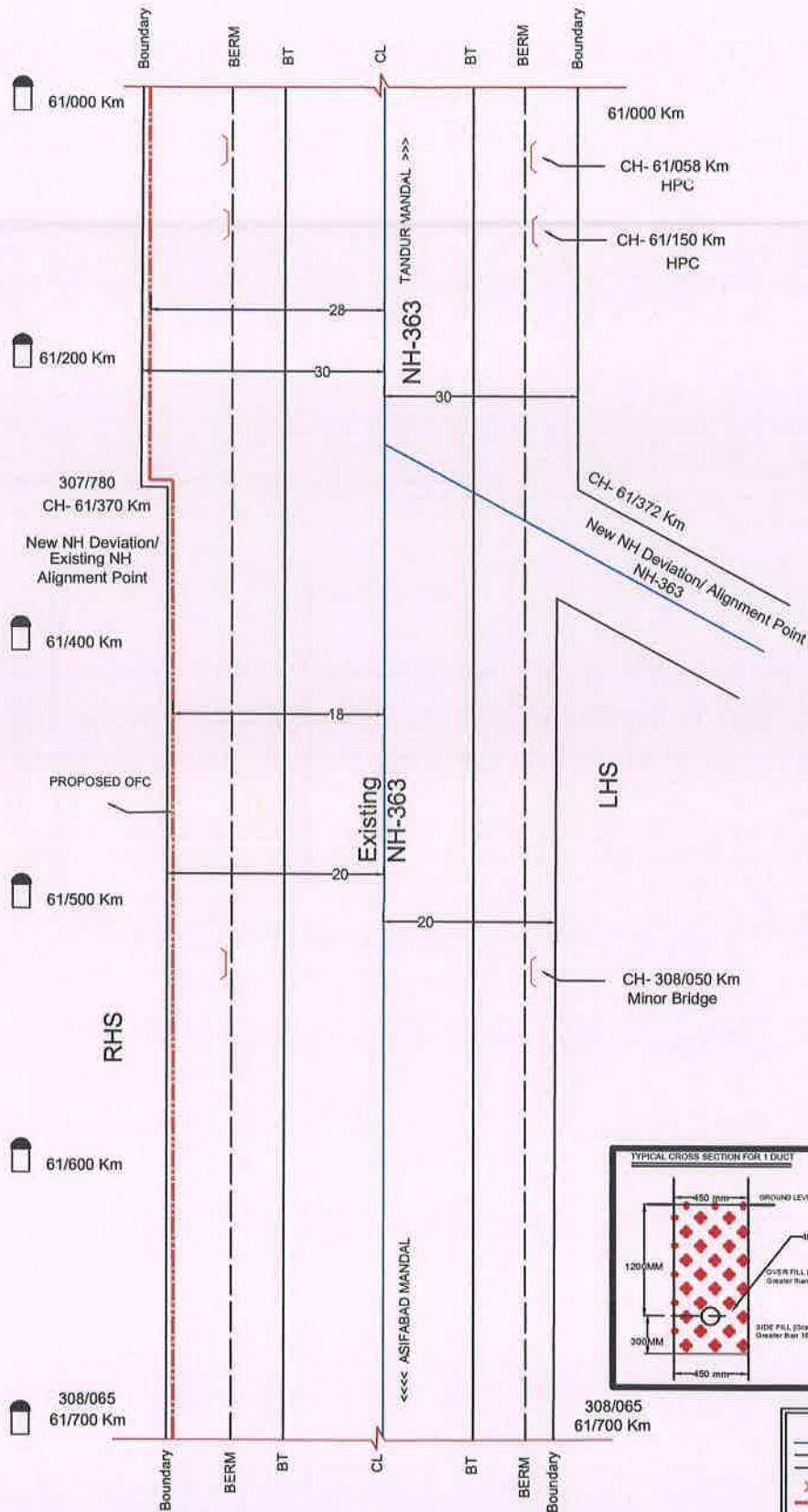
LEGEND	
—	ROAD CL
---	Boundary
---	BERM
---	Cut-off / Bridge
---	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

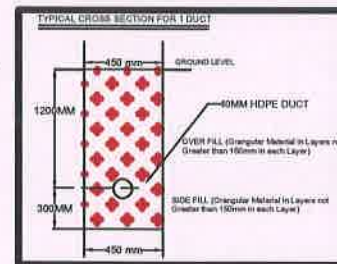
All Dimensions are in Meters



NH-363 - 61/000 to 61/700 km



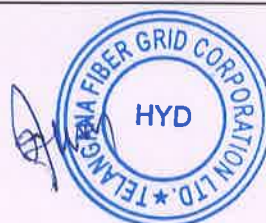
NH-363 - 61/700 to 62/700 km



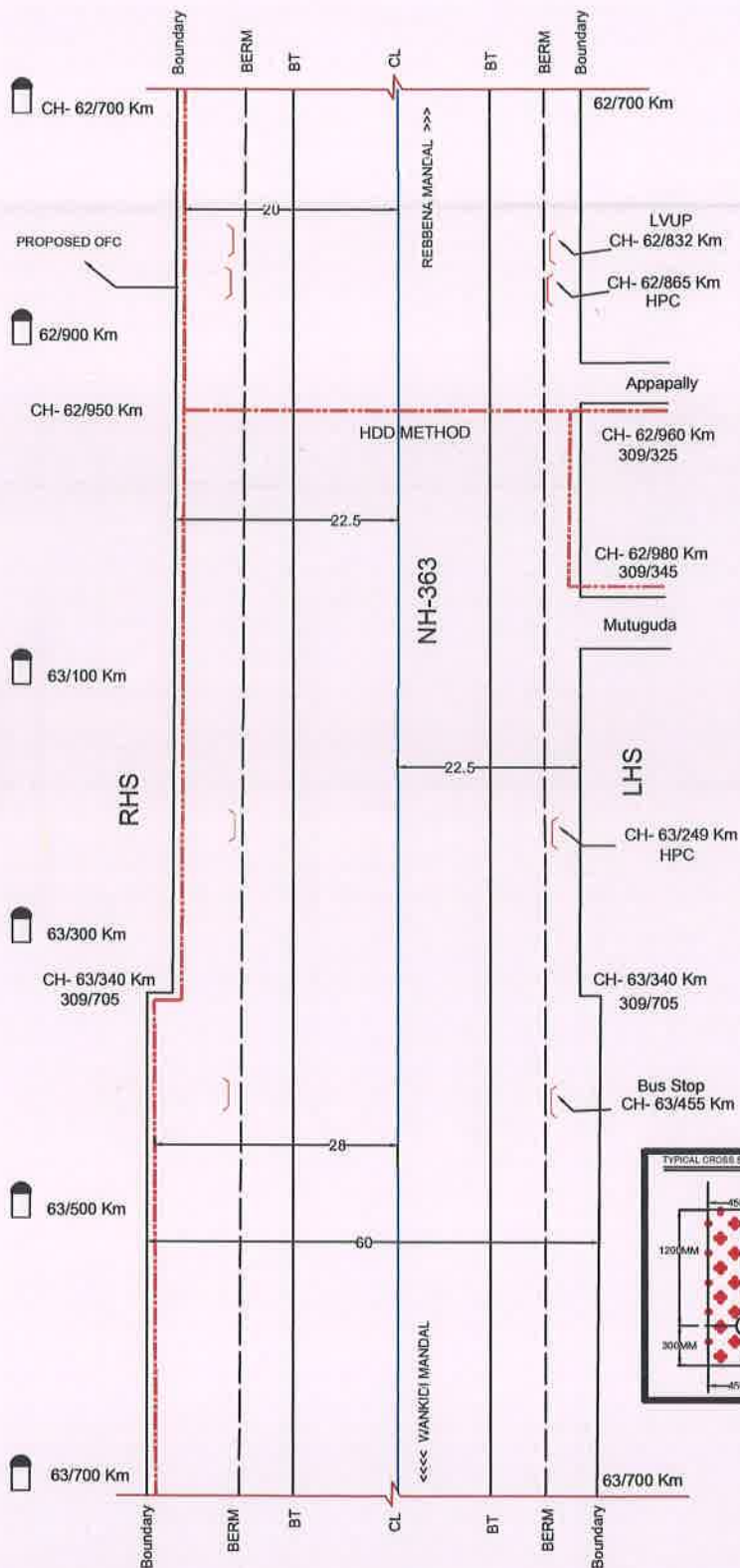
LEGEND	
—	ROAD CL
---	Boundary
- - -	BERM
—	Culvert / Bridge
---	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 62/700 to 63/700 km



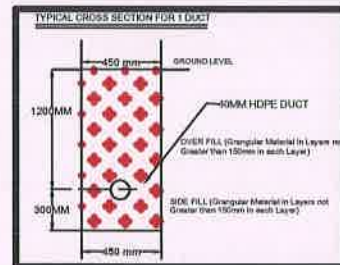
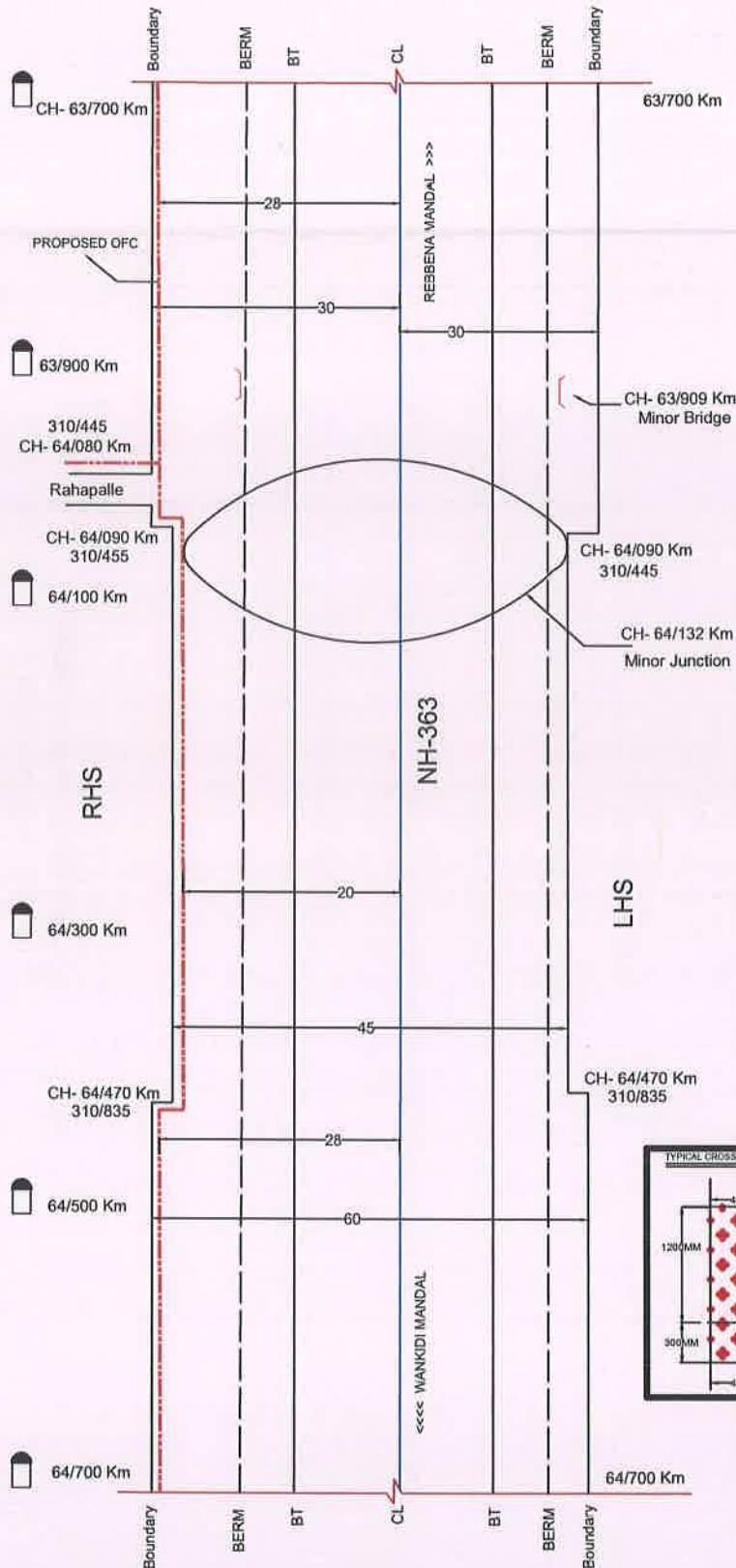
SECTION LENGTH=1000 M

All Dimensions are in Meters

LEGEND	
	ROAD CL
	Boundary
	BERM
	BT
	CL
	Curvet / Bridge
	Proposed OFC
SCALE	NOT TO SCALE



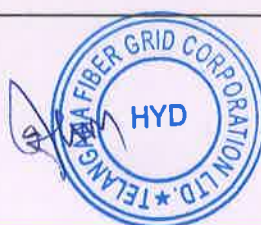
NH-363 - 63/700 to 64/700 km



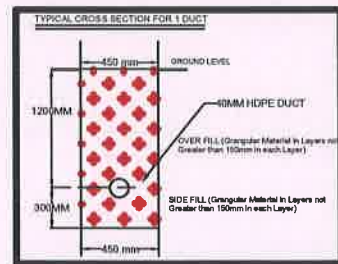
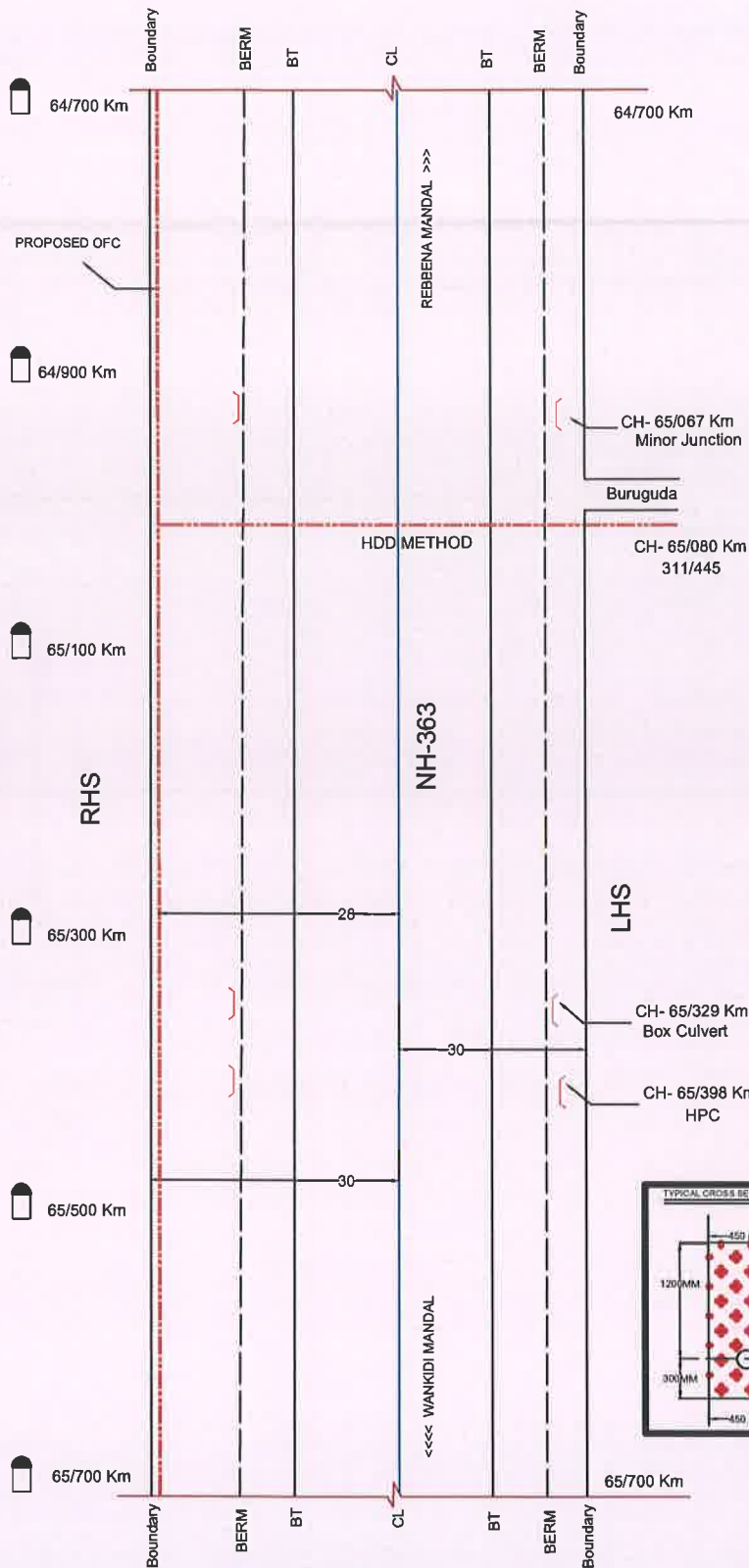
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 64/700 to 65/700 km



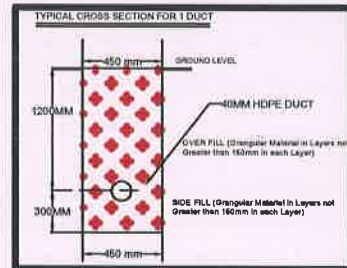
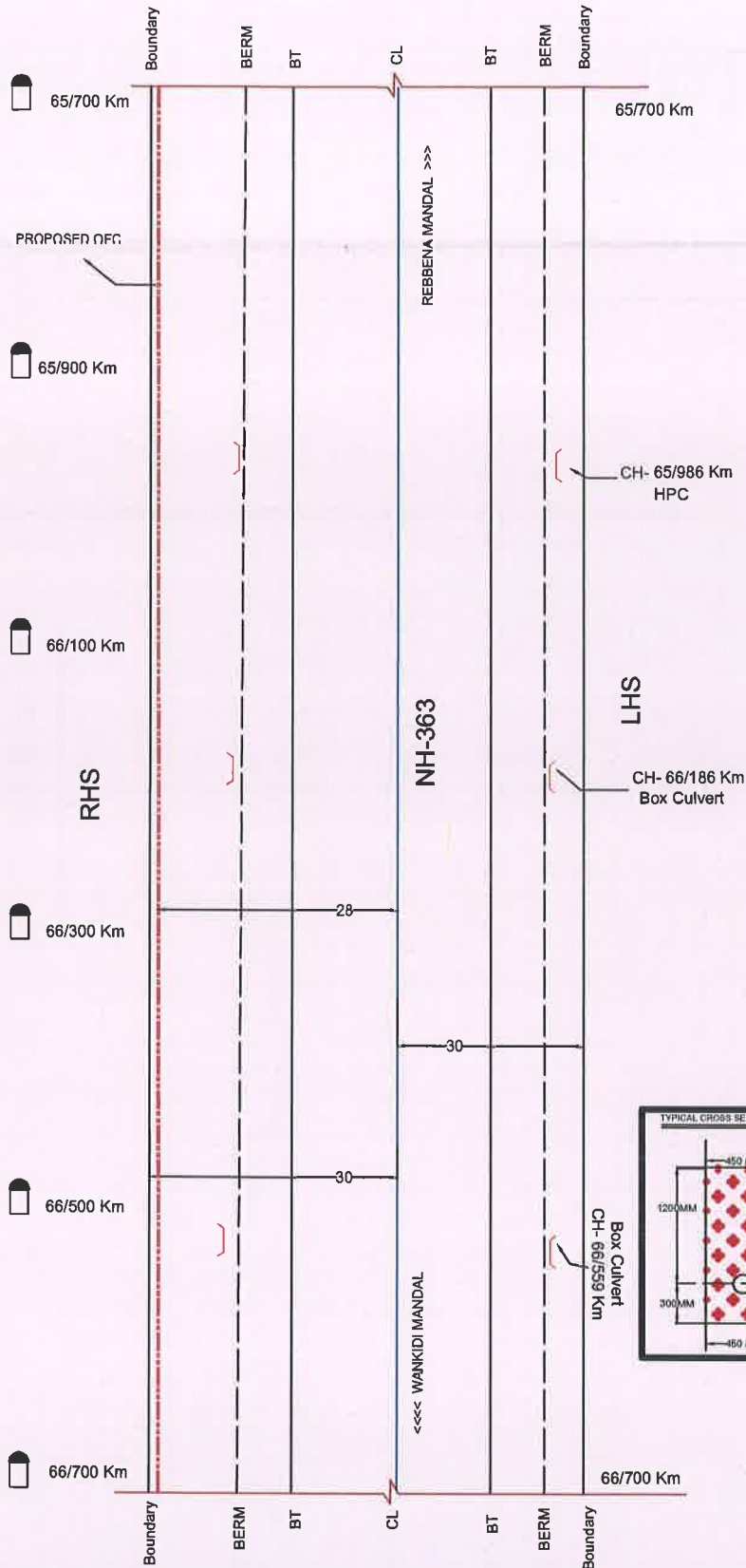
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 65/700 to 66/700 km



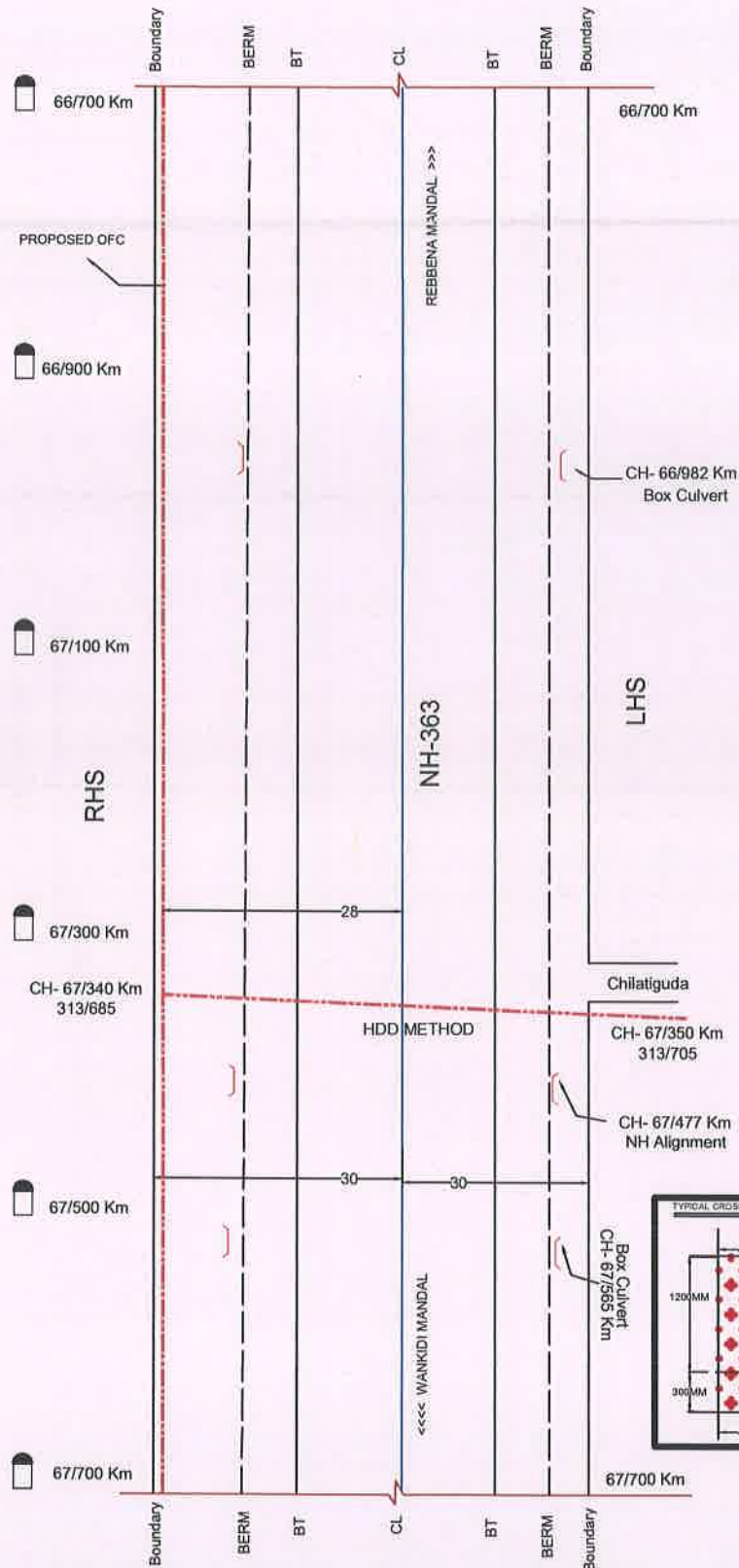
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	1:100 TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters

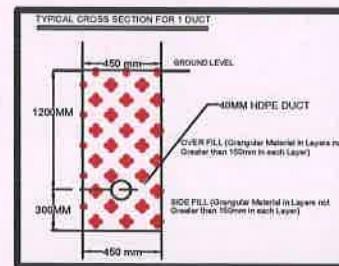


NH-363 - 66/700 to 67/700 km

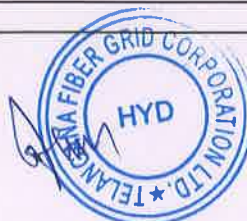


SECTION LENGTH=1000 M

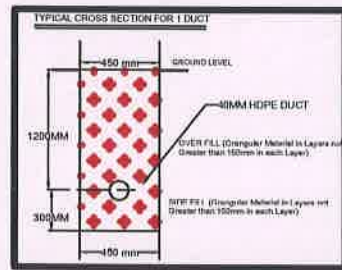
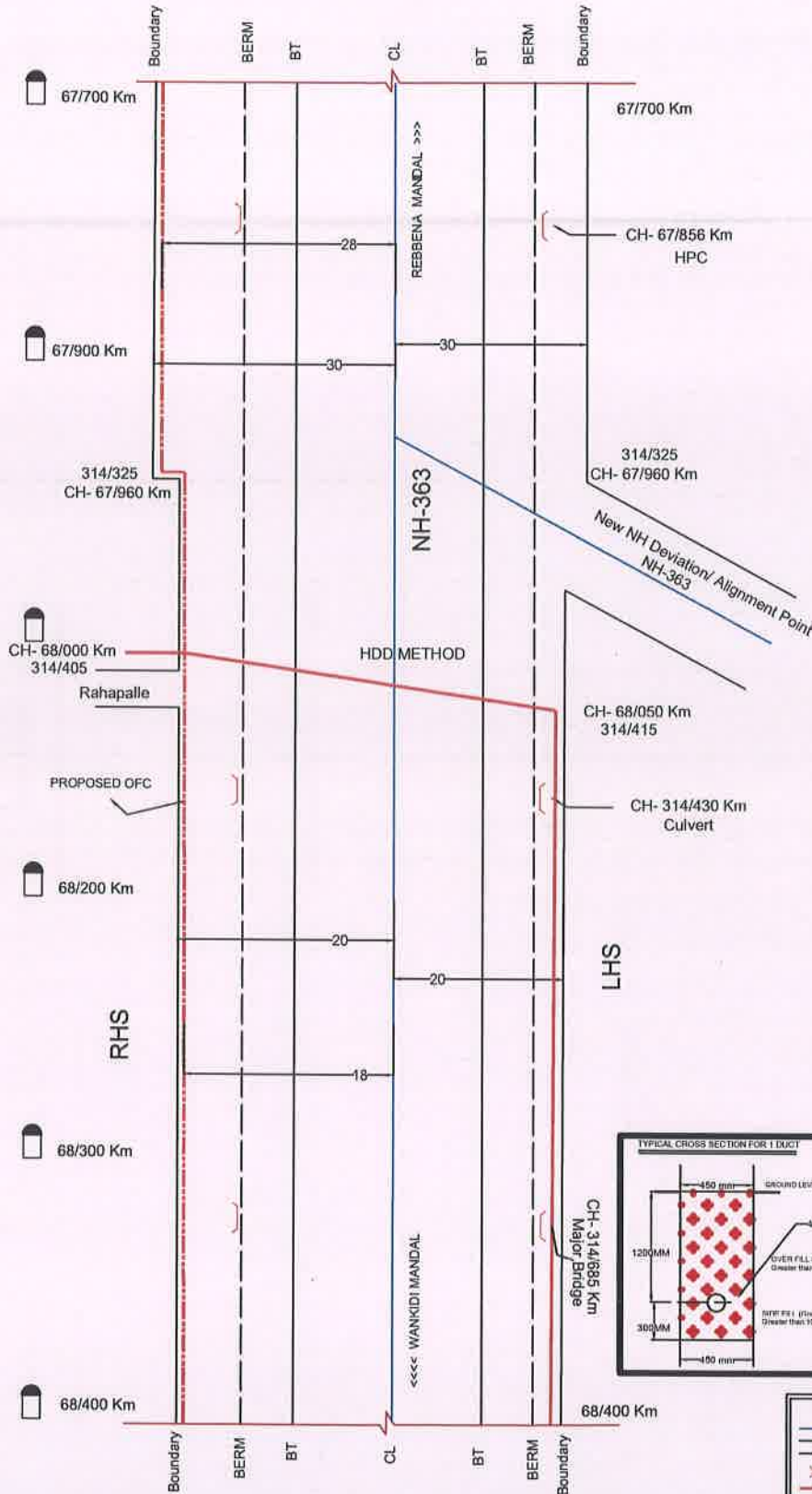
All Dimensions are in Meters



LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE



NH-363 - 67/700 to 68/400 km



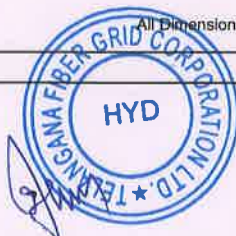
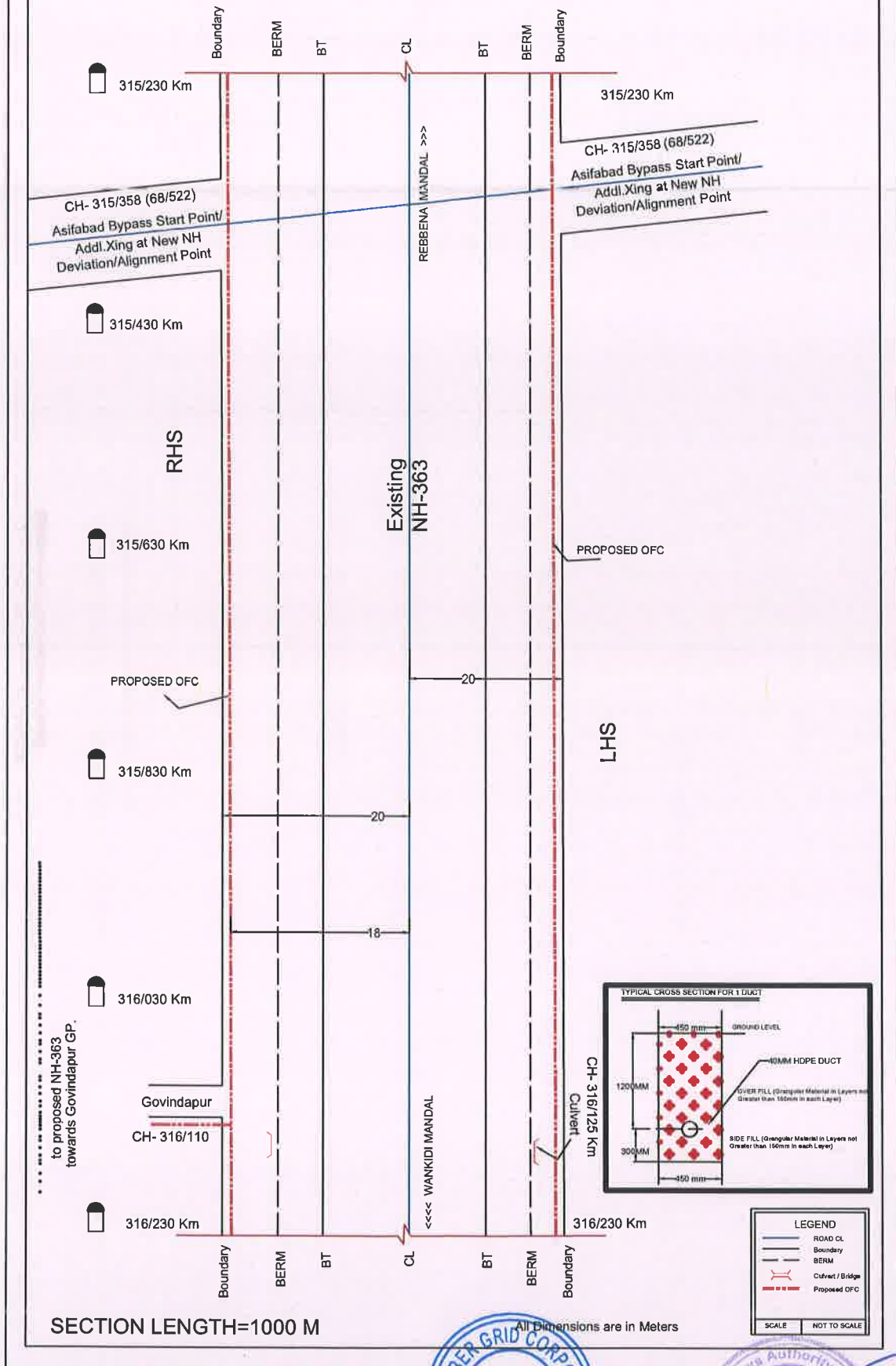
LEGEND	
—	ROAD CL
- - -	Boundary
- - -	BERM
- - -	Culvert / Bridge
- - -	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=700 M

All Dimensions are in Meters



NH-363 - 315/230 to 316/230 km



NH-363 - 316/230 to 317/000 km

SECTION LENGTH=770 M

All Dimensions are in Meters

LEGEND

- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE

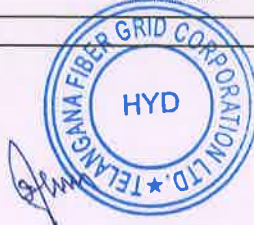
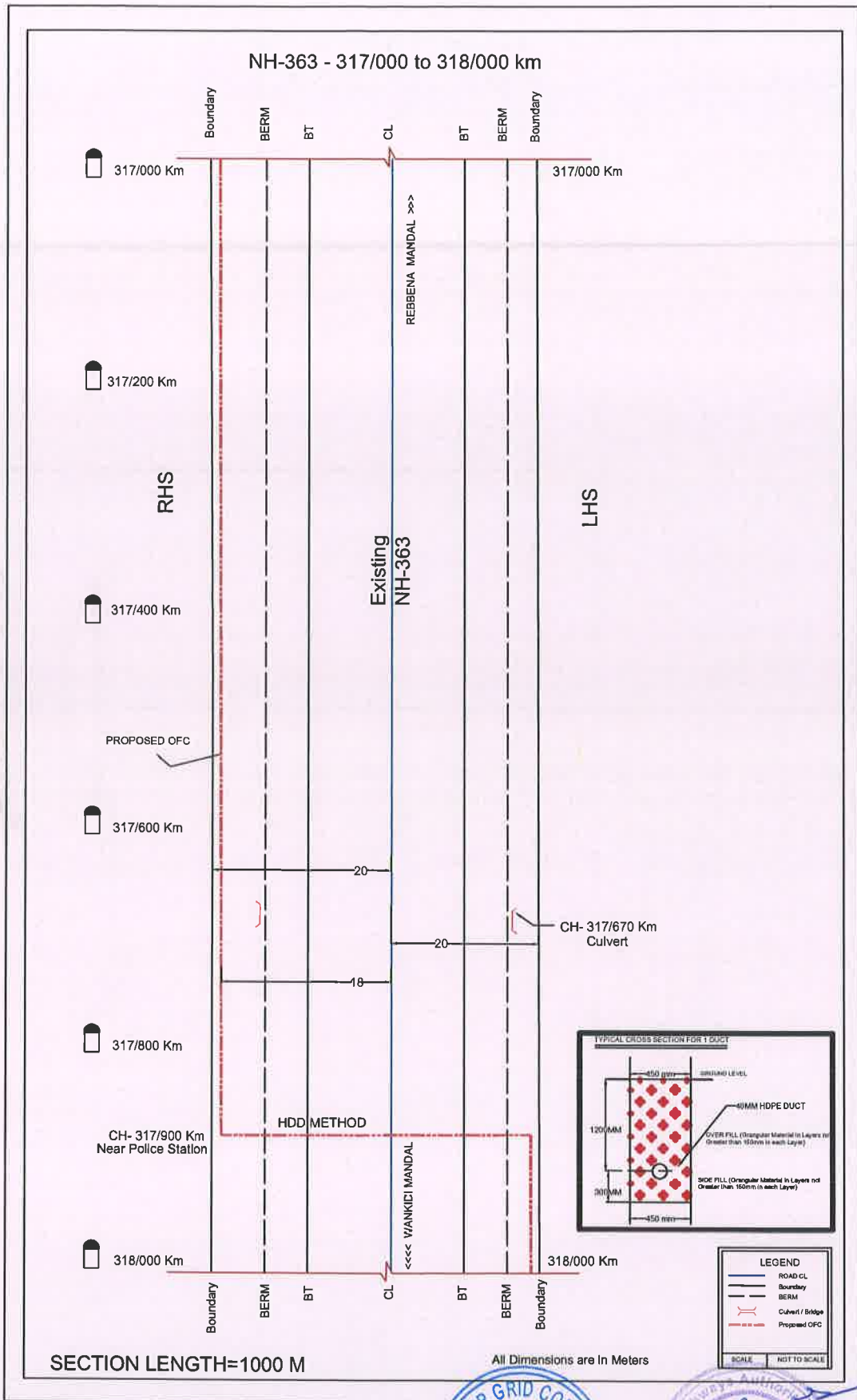
NOT TO SCALE

All Dimensions are in Meters

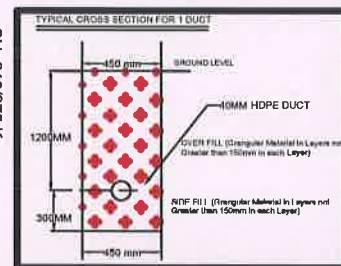
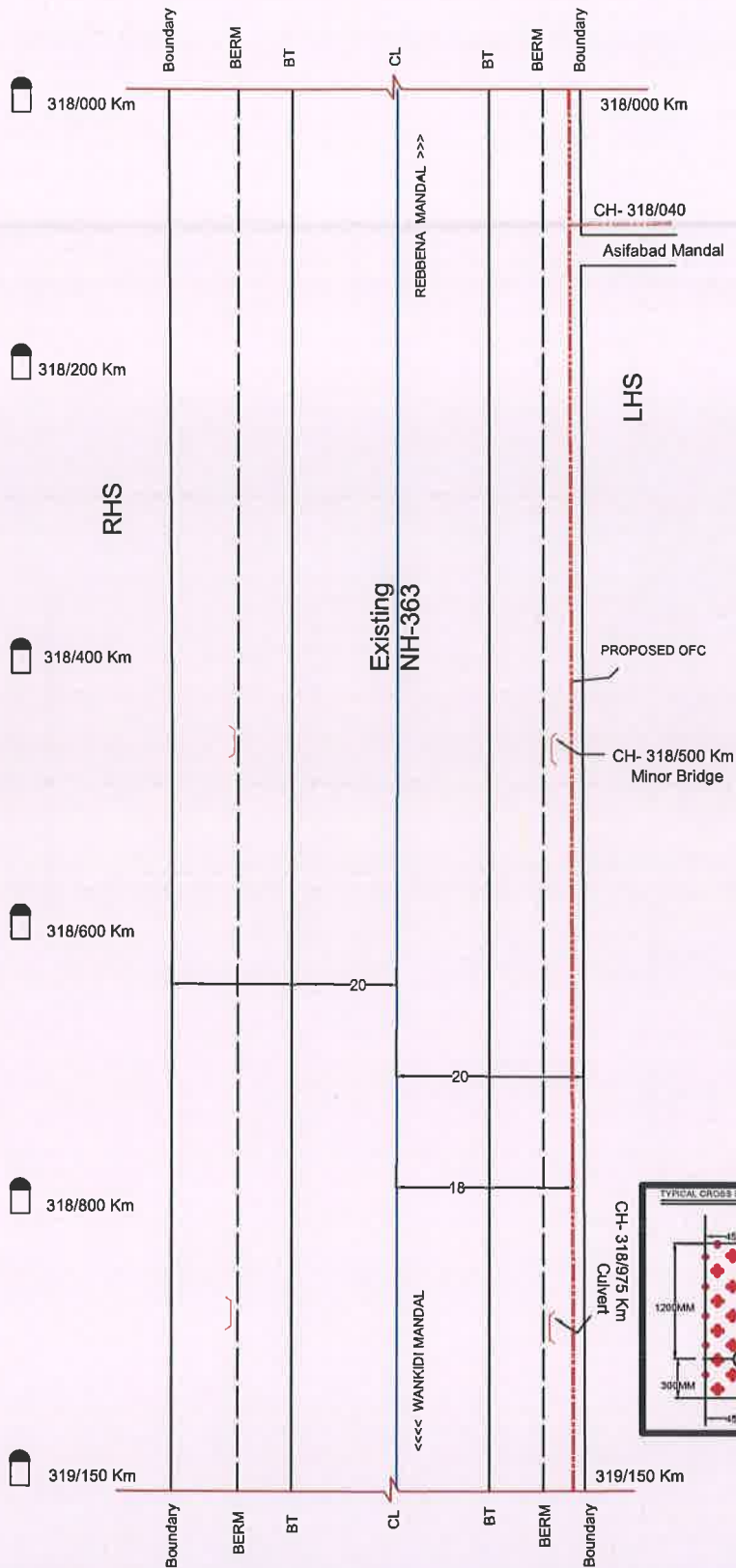
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE



NH-363 - 317/000 to 318/000 km



NH-363 - 318/000 to 319/150 km



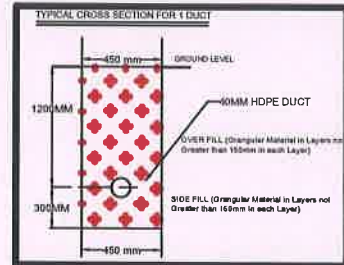
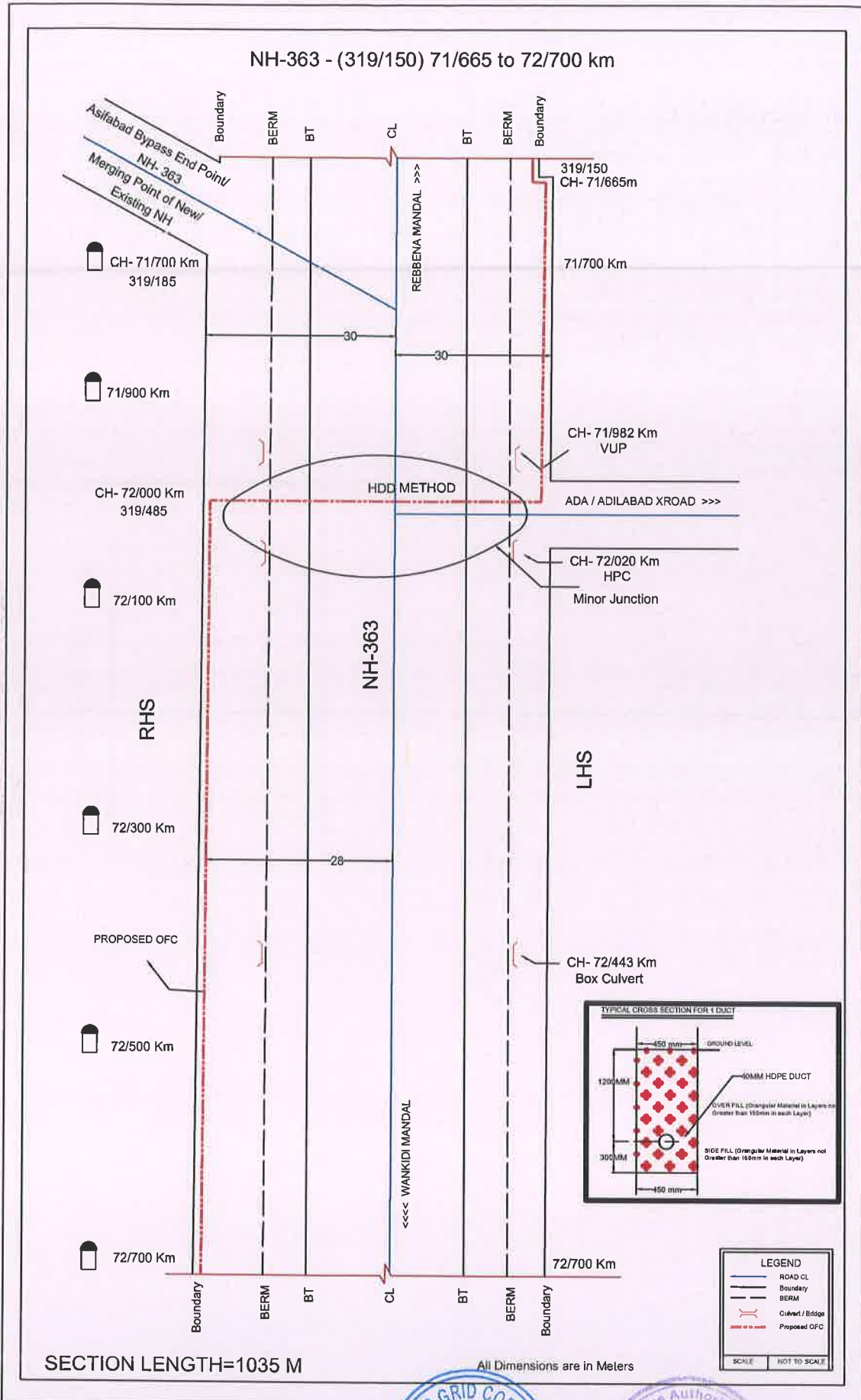
LEGEND	
ROAD CL	Boundary
Berm	BT
Culvert / Bridge	PROPOSED OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1150 M

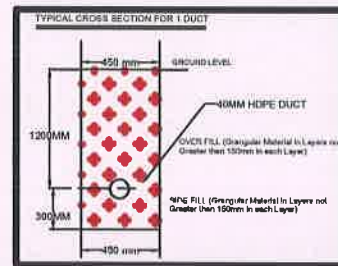
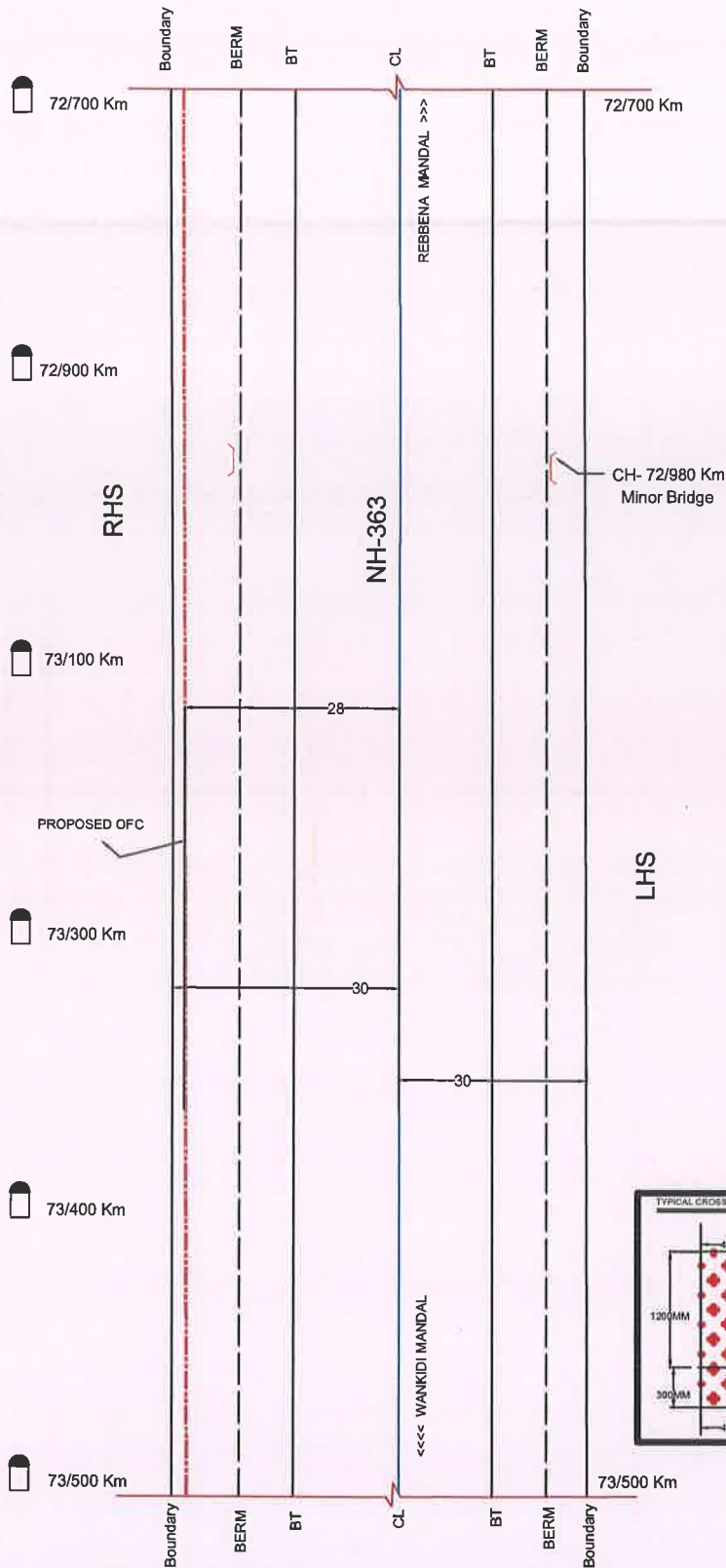
All Dimensions are in Meters



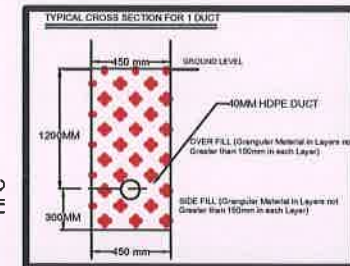
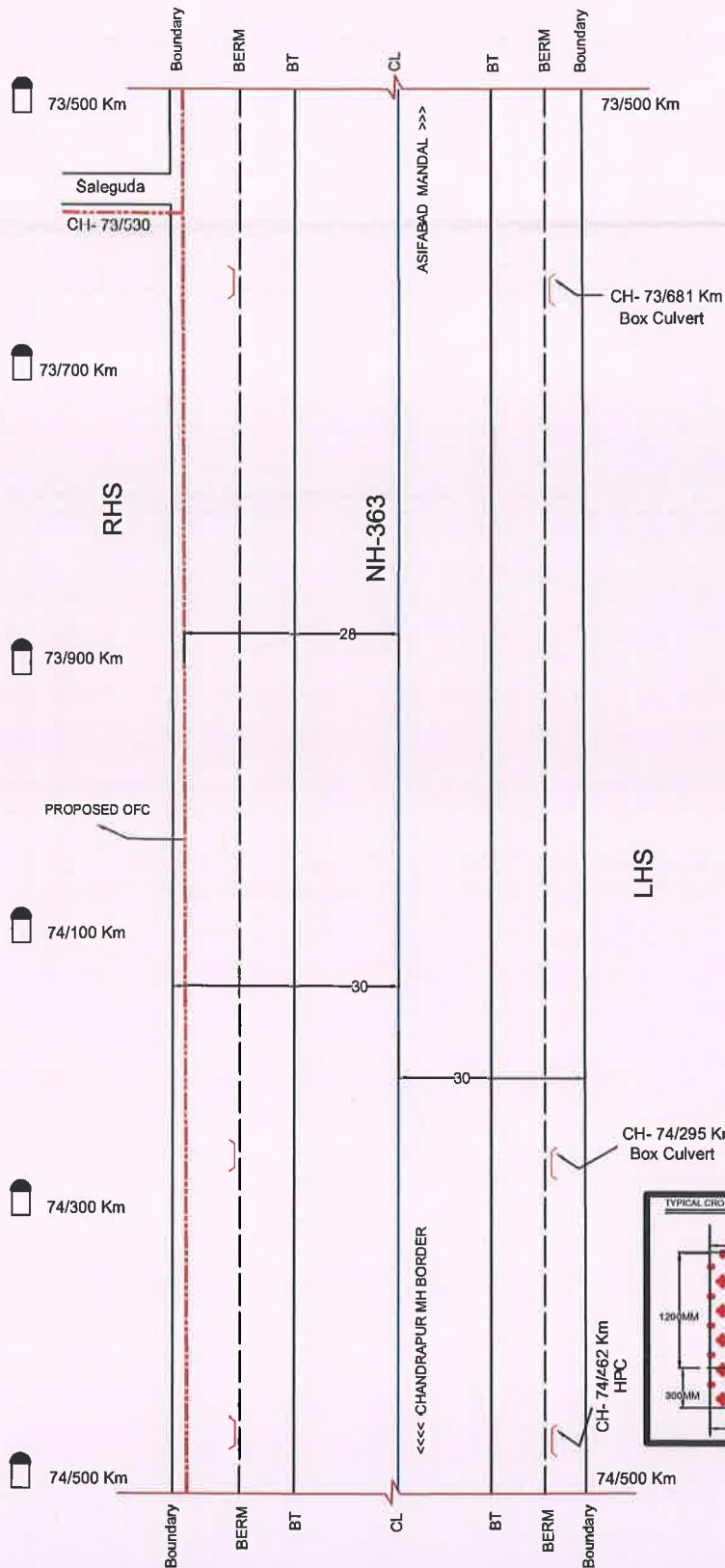
NH-363 - (319/150) 71/665 to 72/700 km



NH-363 - 72/700 to 73/500 km



NH-363 - 73/500 to 74/500 km



LEGEND	
—	ROAD CL
---	Boundary
- - -	BERM
- - -	Culvert / Bridge
- - -	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 74/500 to 75/500 km

74/500 Km

74/500 Km

PROPOSED OFC

CH- 74/700 Km
322/200

New NH Deviation/
Existing NH Alignment
Point @ MJB 74/500

74/900 Km

RHS

75/100 Km

CH- 75/300 Km
322/800

75/500 Km

Boundary

BERM

BT

CL

ASIFABAC MANDAL >>>

322/200
CH- 74/700 Km

New NH Deviation/ NH-363
Existing NH Alignment

Major Bridge
CH- 322/470 Km (75/000)

LHS

322/800
CH- 75/300 Km
New NH Deviation/ NH-363
Existing NH Alignment

75/500 Km

<<<< CHANDRAPUR MH BORDER

SECTION LENGTH=1000 M

All Dimensions are in Meters

LEGEND

- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters

LEGEND

 ROAD CL
 Boundary
 BERM
 Culvert / Bridge
 Proposed OFC

SCALE NOT TO SCALE

100

NOT TO SCALE

NH-363 - 75/500 to 76/500 km

75/500 Km

Jaithpur

CH- 75/545

RHS

75/700 Km

75/900 Km

PROPOSED OFC

76/100 Km

CH- 76/300 Km 323/800

HDD METHOD

Tejapur

CH- 76/300

CH- 76/312 Km Minor Junction

76/500 Km

Boundary

BERM

BT

CL

BT

BERM

Boundary

ASIFABAD MANDAL >>>

NH-363

CH- 75/763 Km HPC

CH- 76/251 Km HPC

LHS

28

30

30

<<<< CHANDRAPUR MH BORDER

SECTION LENGTH=1000 M

All Dimensions are in Meters

LEGEND

ROAD CL

Boundary

BERM

Current / Bridge

Proposed OFC

SCALE

NOT TO SCALE

TYPICAL CROSS SECTION FOR 1 DUCT

GROUND LEVEL

450 mm

1200MM

300MM

450 mm

80MM HDPE DUCT

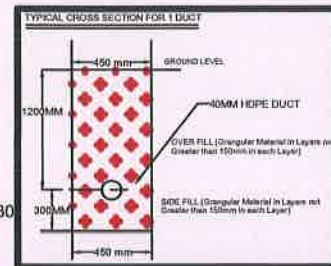
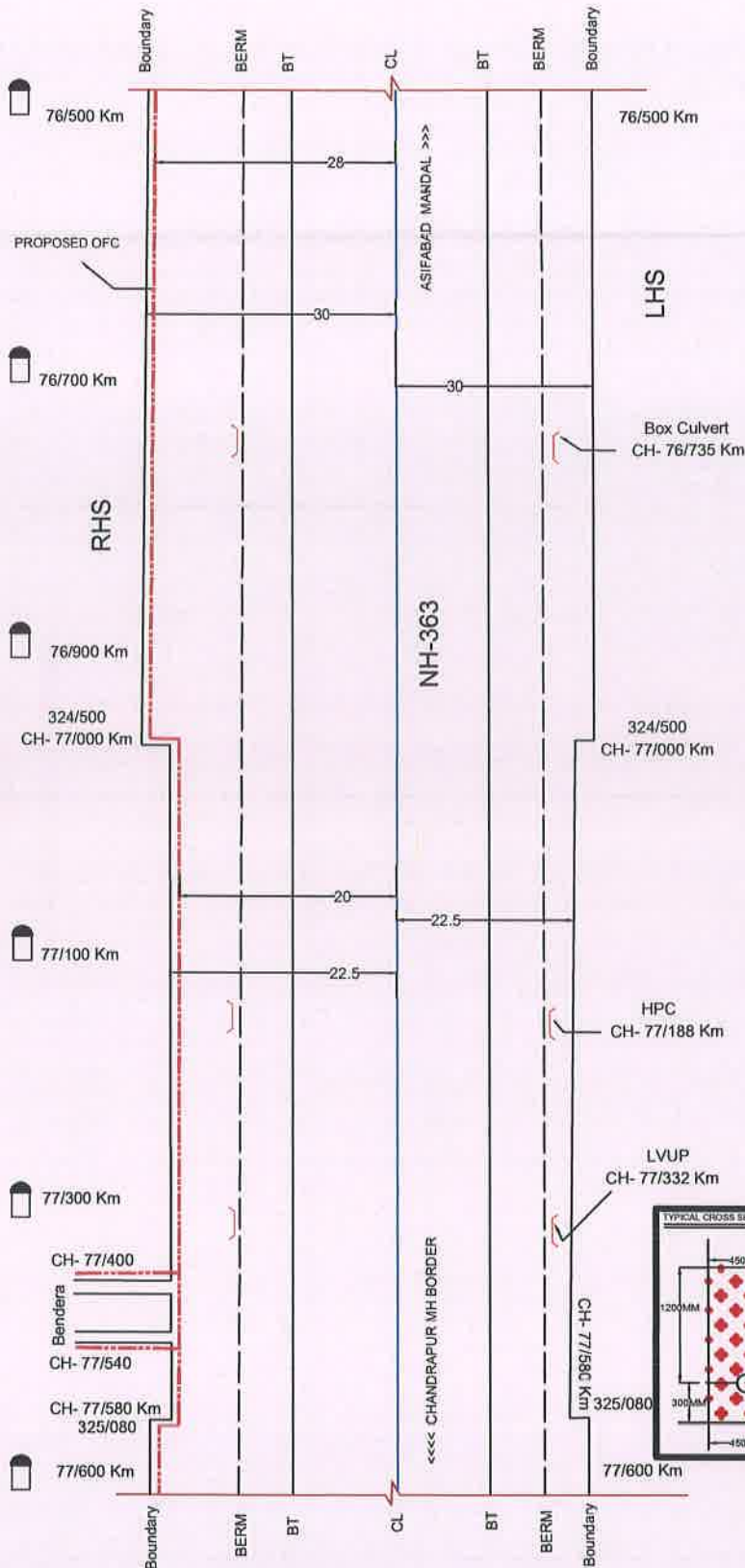
COVER FILL (Orengular Material) in Layers not Greater than 100mm in each Layer

SIDE FILL (Orengular Material) in Layers not Greater than 100mm in each Layer

All Dimensions are in Meters



NH-363 - 76/500 to 77/600 km



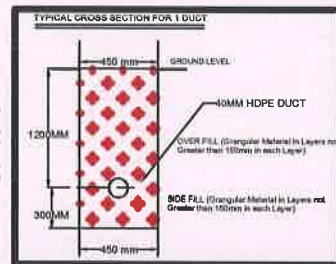
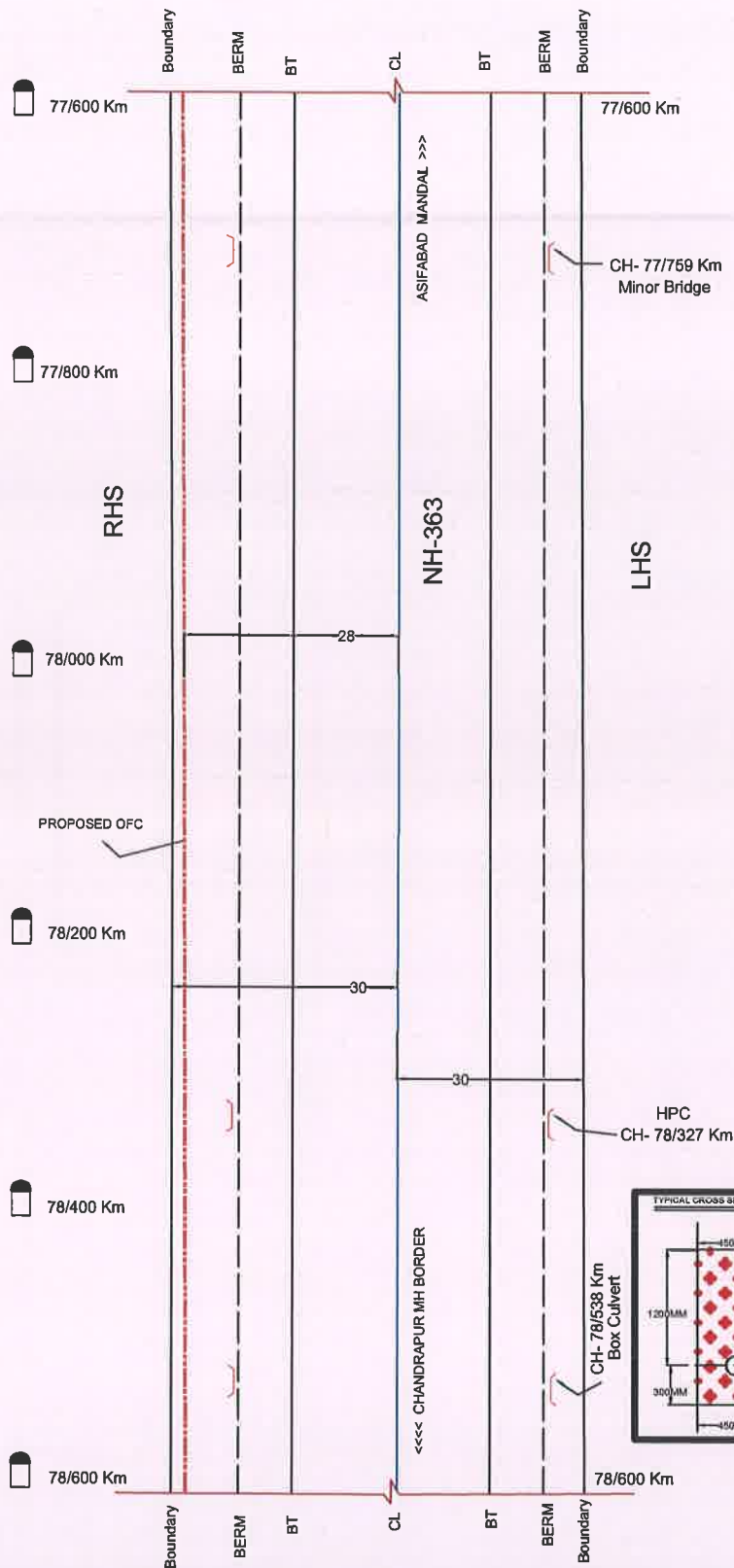
LEGEND	
—	ROAD CL
---	Boundary
---	BERM
---	Culvert / Bridge
---	Proposed OFC
SCALE:	NOT TO SCALE

SECTION LENGTH=1100 M

All Dimensions are in Meters



NH-363 - 77/600 to 78/600 km



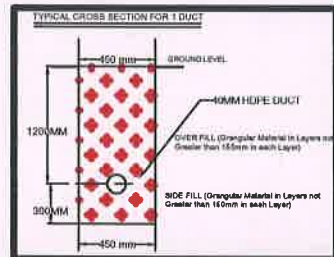
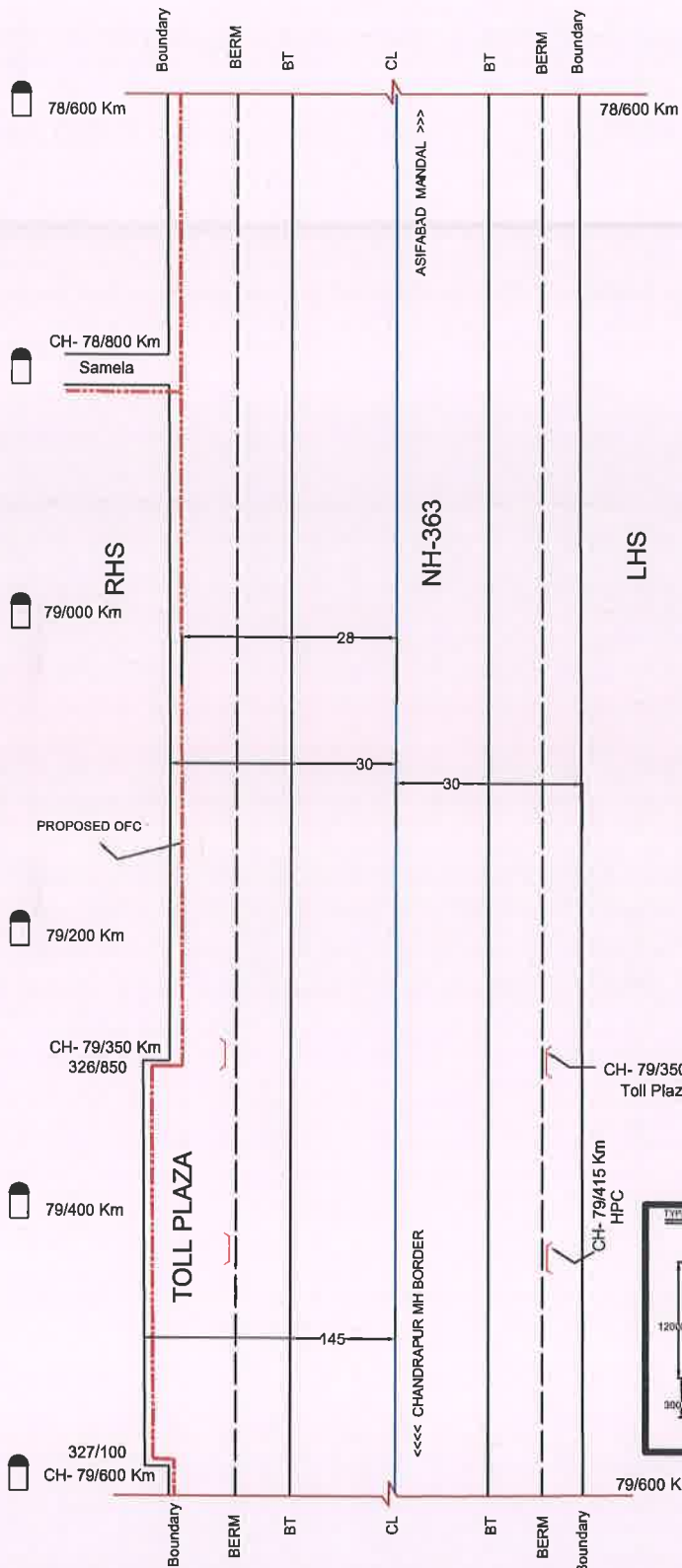
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 78/600 to 79/600 km



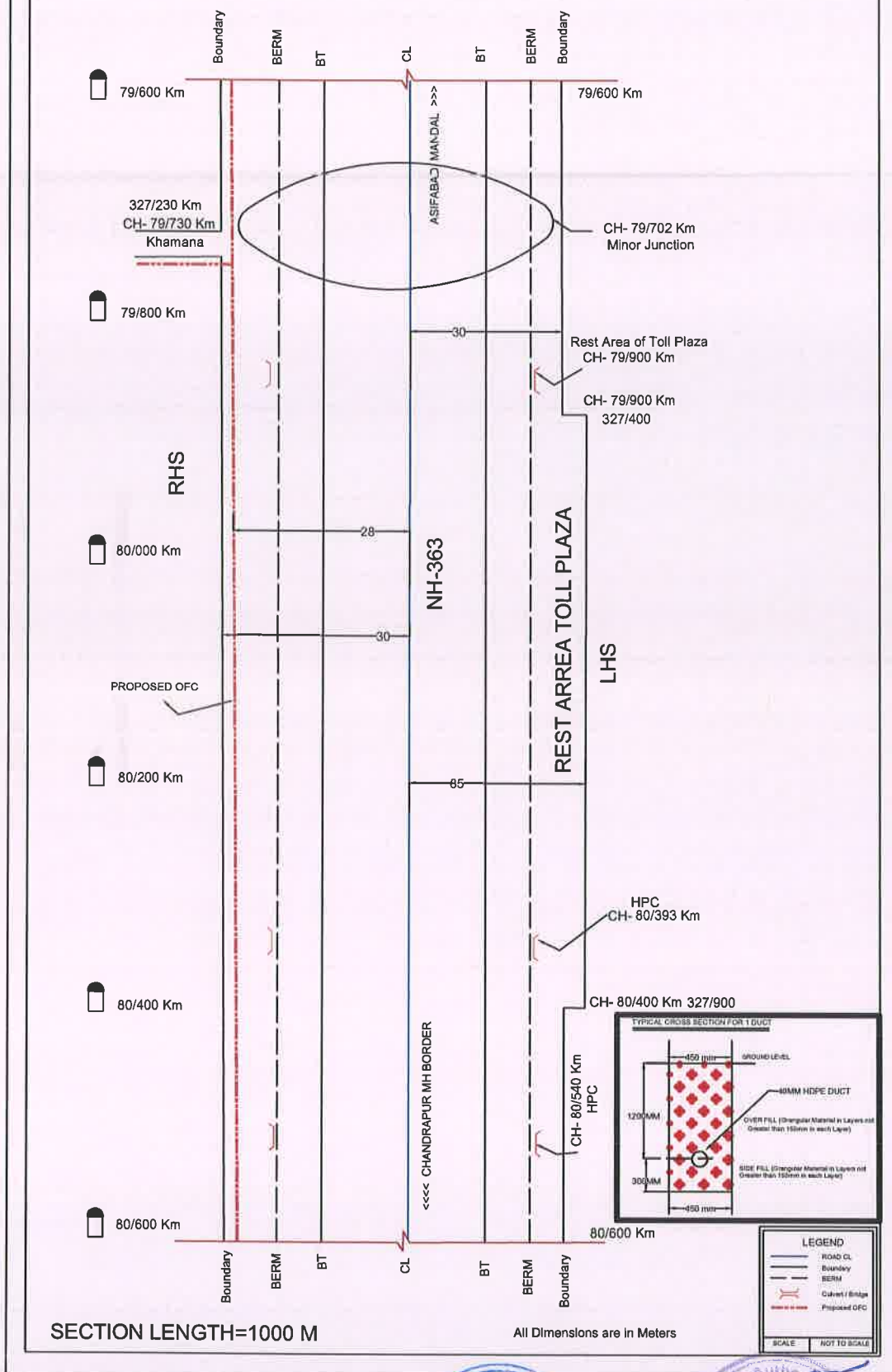
LEGEND	
—	ROAD CL
- - -	Boundary
- - -	BERM
- - -	Culvert / Bridge
- - -	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

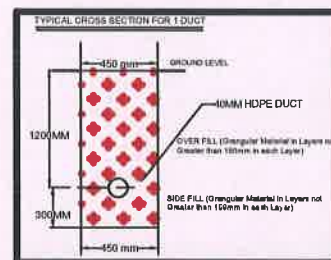
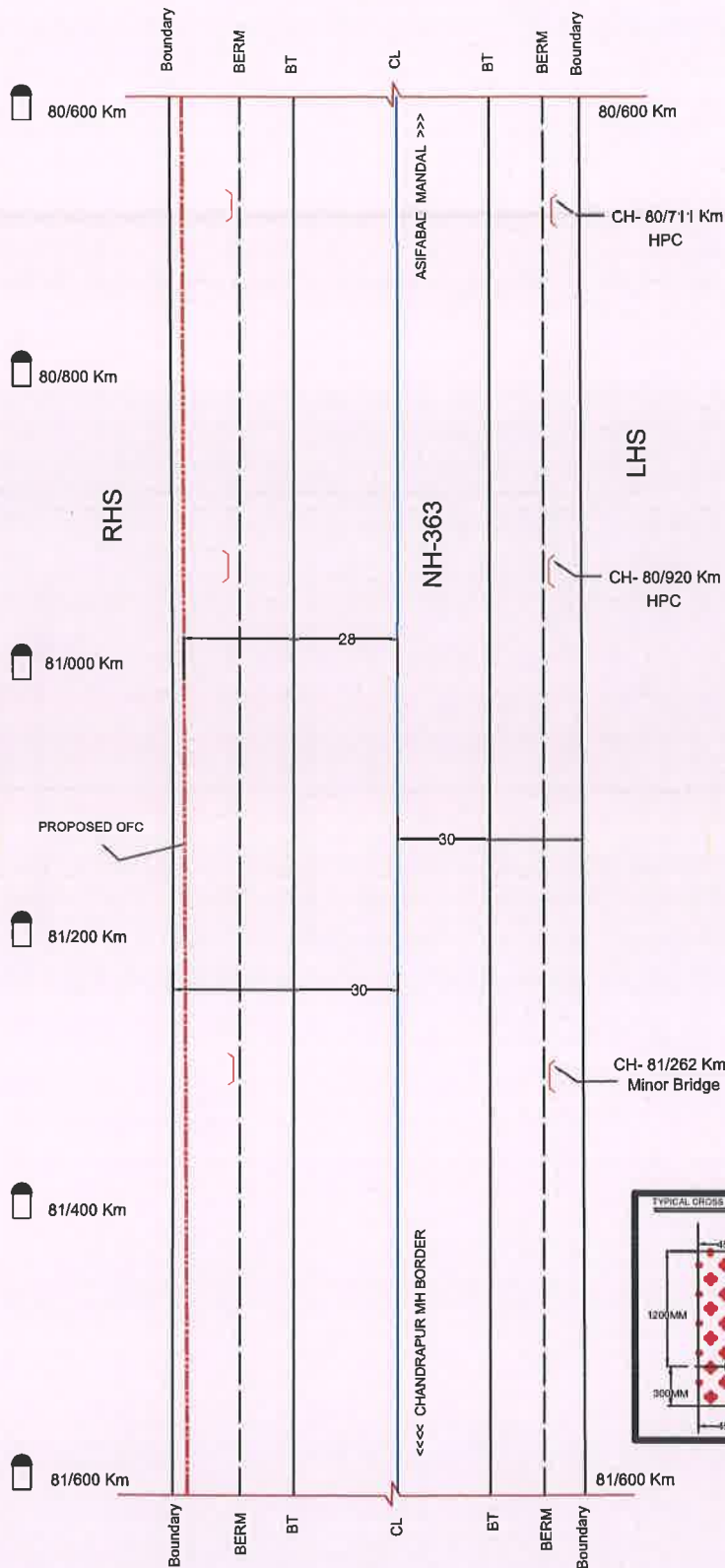
All Dimensions are in Meters



NH-363 - 79/600 to 80/600 km



NH-363 - 80/600 to 81/600 km

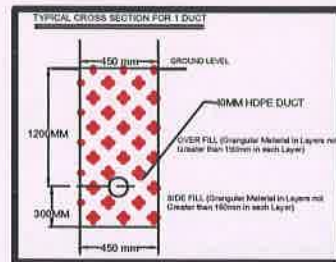
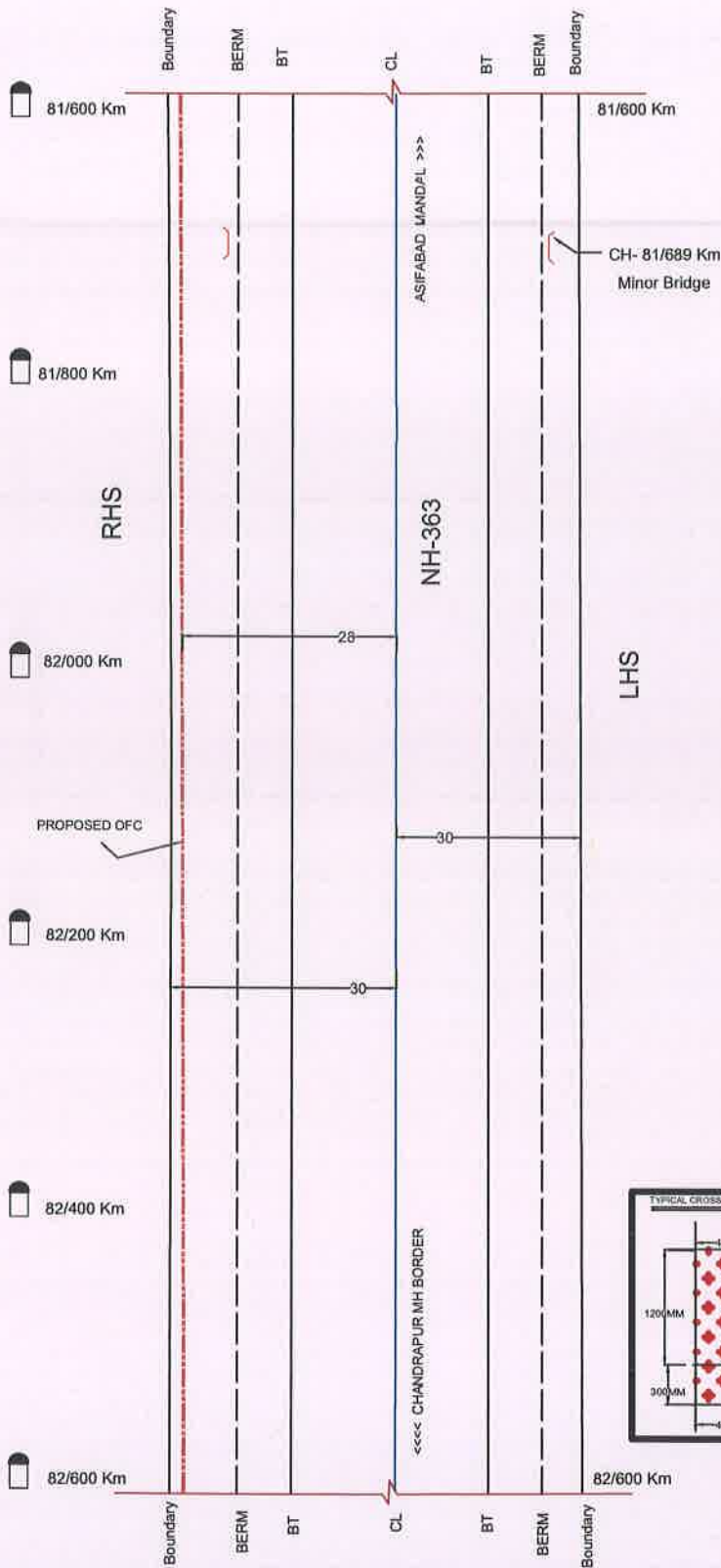


LEGEND	
—	ROAD CL
---	Boundary
- - -	BERM
- - -	Culvert / Bridge
- - -	Proposed OFC
SCALE	NOT TO SCALE

All Dimensions are in Meters



NH-363 - 81/600 to 82/600 km



LEGEND	
	ROAD CL
	Boundary
	BERM
	Current / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

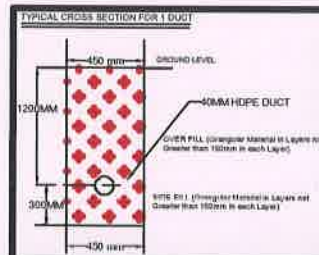
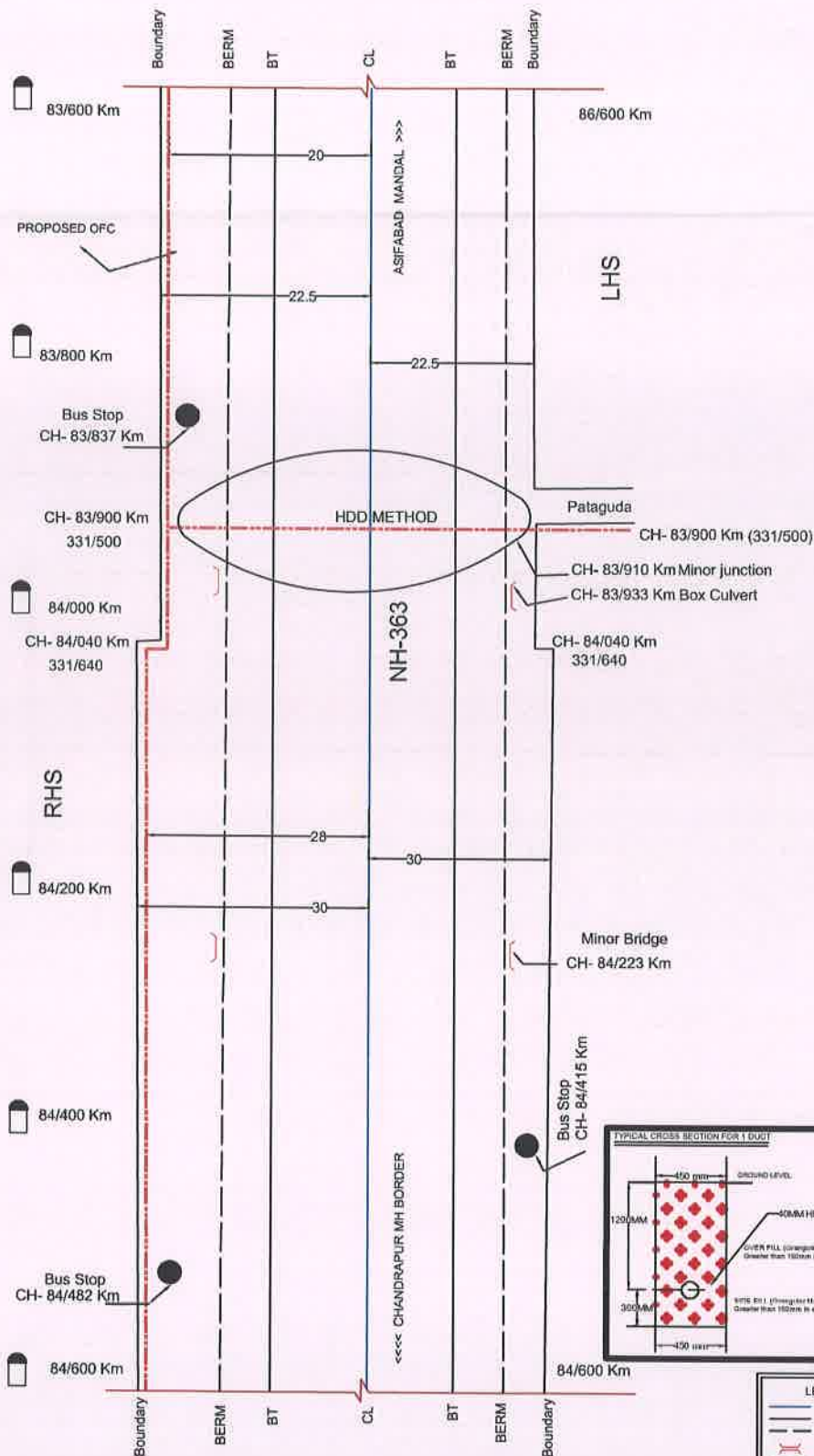
All Dimensions are in Meters



All Dimensions are in Meters



NH-363 - 83/600 to 84/600 km



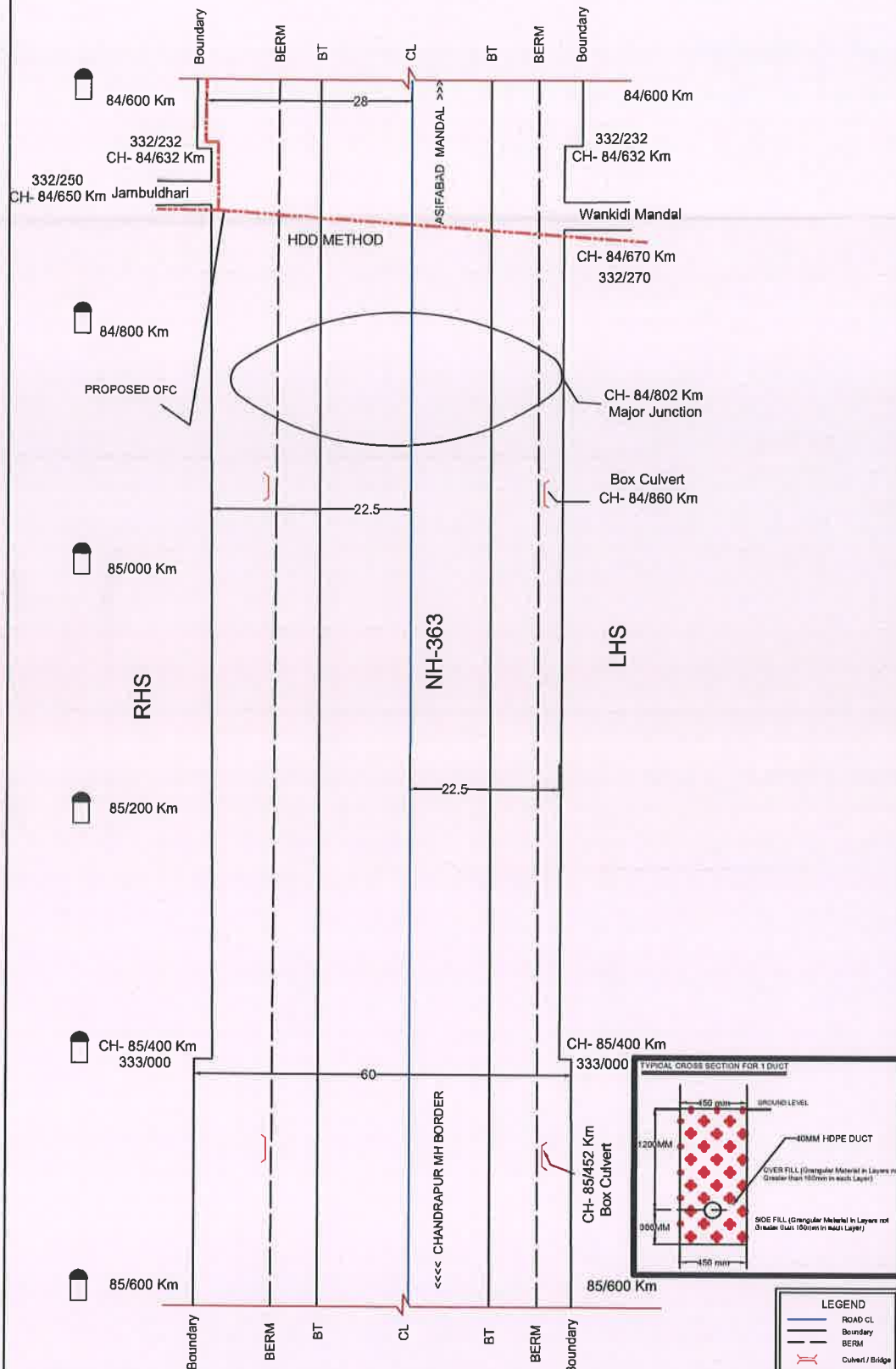
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 84/600 to 85/600 km

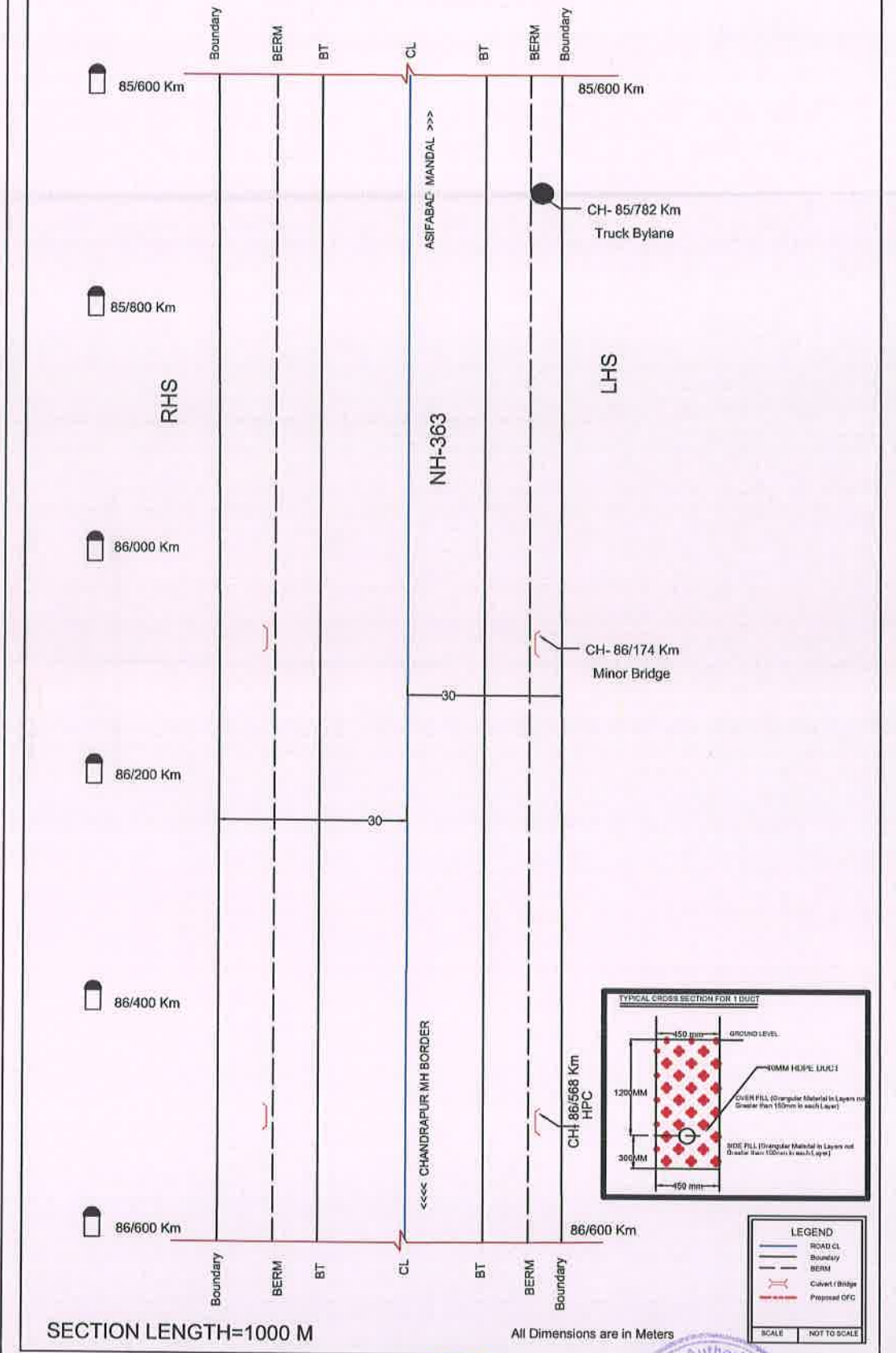


SECTION LENGTH=1000 M

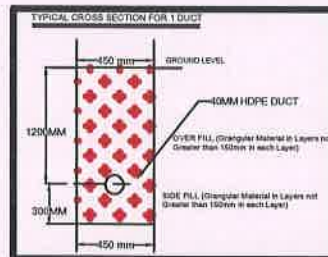
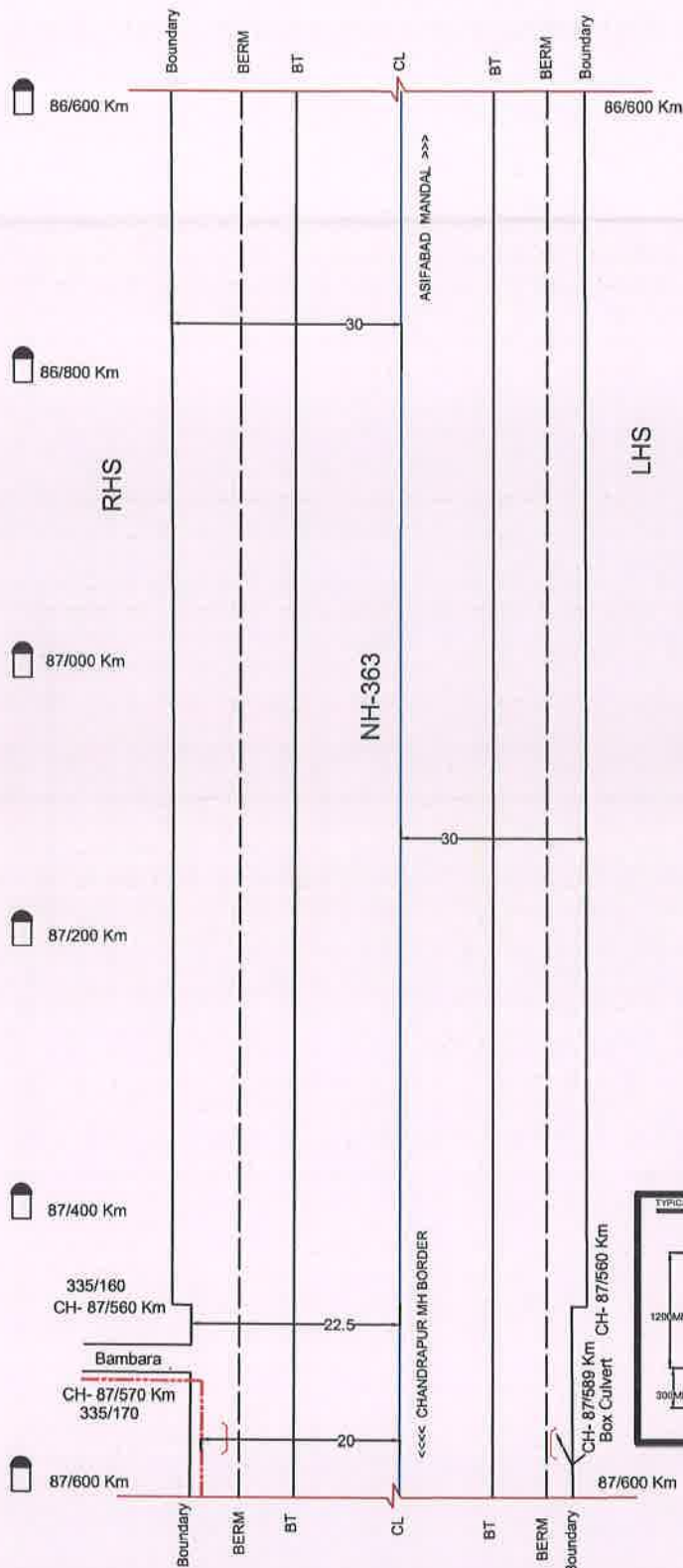
All Dimensions are in Meters



NH-363 - 85/600 to 86/600 km



NH-363 - 86/600 to 87/600 km



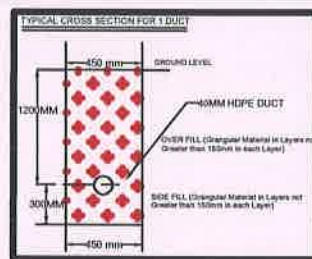
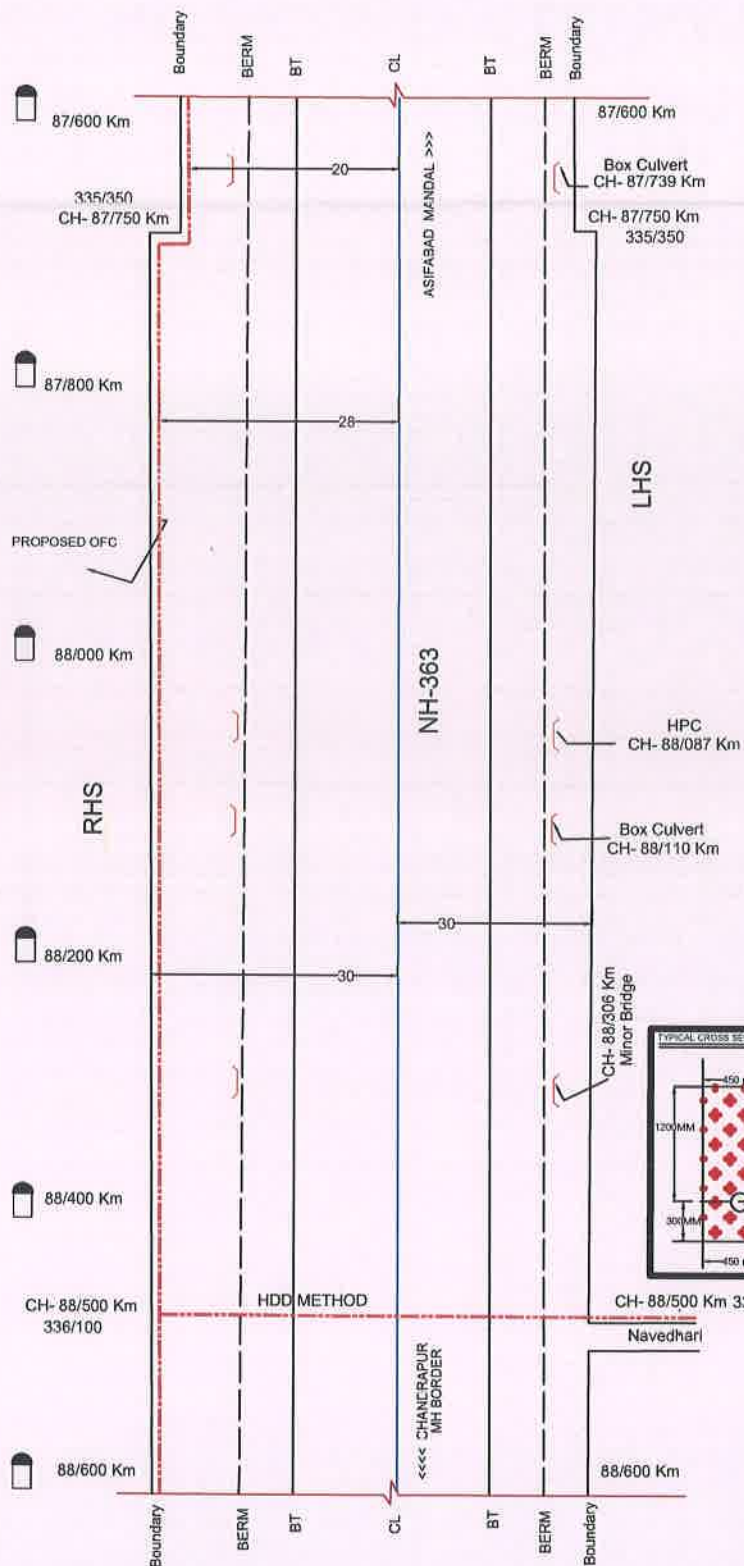
LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters



NH-363 - 87/600 to 88/600 km



SECTION LENGTH=1000 M

All Dimensions are in Meters

LEGEND	
	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC
	Proposed HDD
SCALE	NOT TO SCALE



NH-363 - 88/600 to 89/600 km

SECTION LENGTH=1000 M

All Dimensions are in Meters

LEGEND

- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE: 1:1000

All Dimensions are in Meters

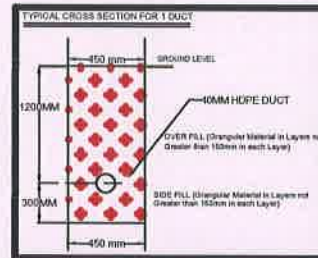
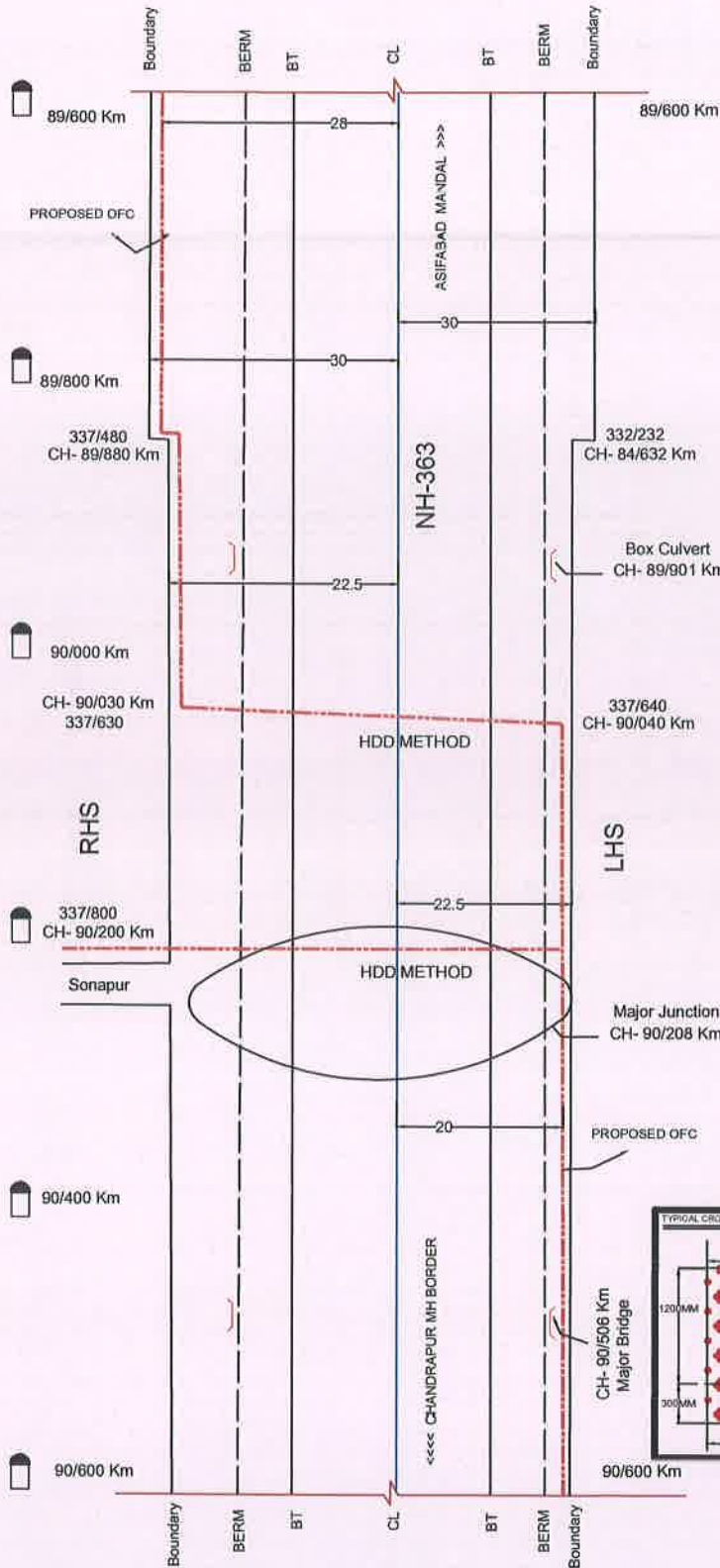
LEGEND

	ROAD CL
	Boundary
	BERM
	Culvert / Bridge
	Proposed OFC

BCA(I), II NOT TO SCALE



NH-363 - 89/600 to 90/600 km



LEGEND	
	Road CL
	Boundary
	BERM
	Culvert/ Bridge
	Proposed OFC
SCALE	NOT TO SCALE

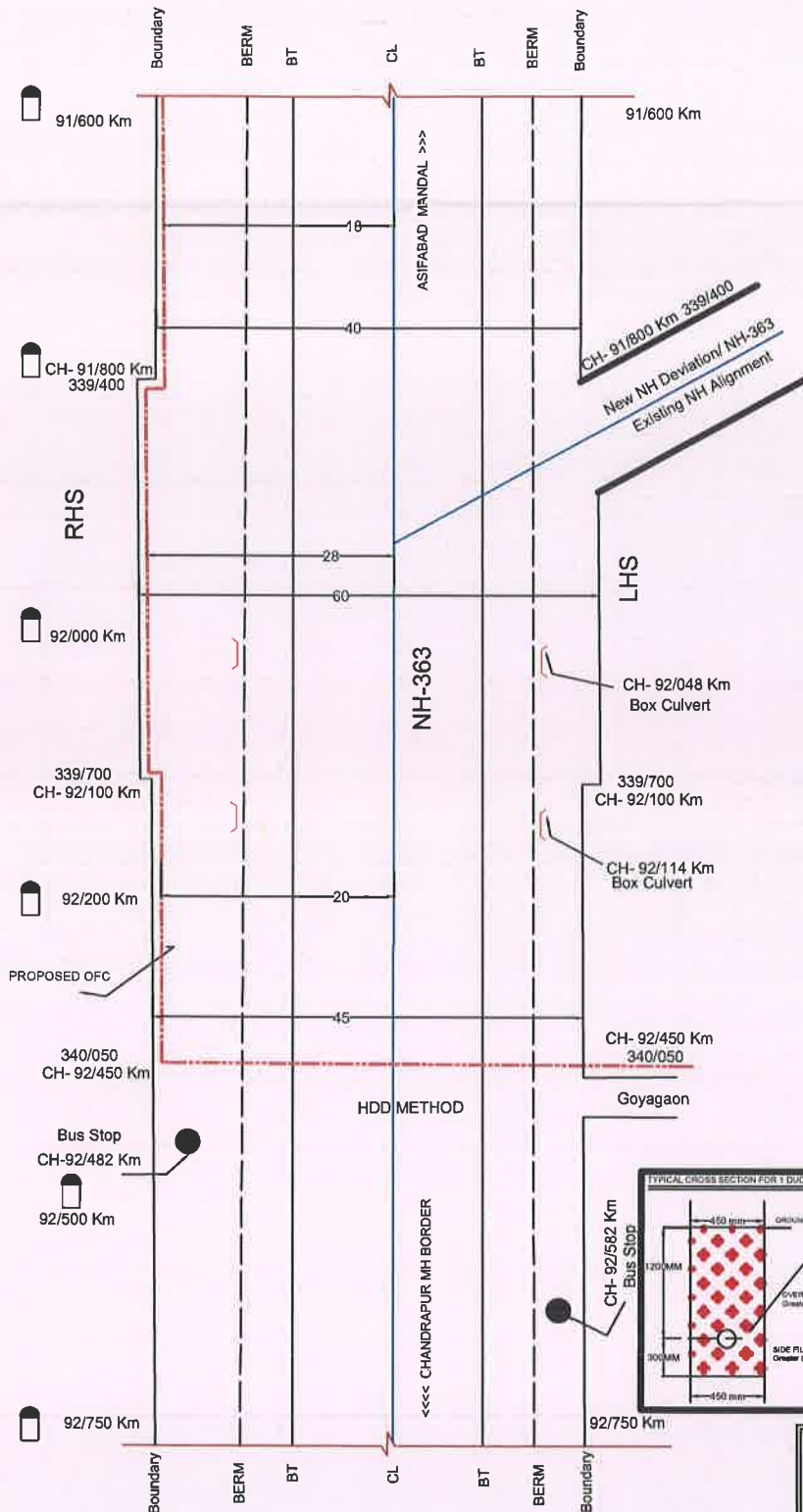
SECTION LENGTH=1000 M

All Dimensions are in Meters



[illegible]

NH-363 - 91/600 to 92/750 km



SECTION LENGTH=1150 M

All Dimensions are In Meters

