भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
NATIONAL HIGHWAYS AUTHORITY OF INDIA
(Ministry of Road Transport & Highways, Government of india)
क्षेत्रीय कार्यालय - हैदराबाद
सत्यमेव जयते
प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, रोड नं-3, बंजारा हिल्स, हैदराबाद-500 034 तेलंगाना.
REGIONAL OFFICE - HYDERABAD
First Floor, New Building, Administrative Staff College of India (ASCI), Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.
टेली / Tele : 040 - 29562147 / 48, ई-मेल / **Email** : rohyderabad@nhai.org, nhairohyd@gmail.com

Notice Inviting Public Comments

NHAI/RO-HYD/25011/11/6/2022/Utility/ 772 Dt.16.06.2022

Sub: NHAI - RO Hyderabad - PIU Mancherial-Proposal for laying of Optical Fiber Cable by M/s Telangan Fiber Grid Corporation limited for a total length of 105.515 Km from Km. 57+800 to Km.59+640 (RHS), from Km.59+710 to Km. 63+360 (RHS), Km. 63+400 to Km.76+140 (RHS), from Km. 73+000 to Km. 74+035 (LHS), from Km.78+950 to Km. 81+555 (LHS), from Km. 84+965 to Km. 85+800 (RHS), from Km. 85+880 to Km. 85+910 (RHS), from Km. 85+815 to Km. 97+270 (LHS), Km. 97+700 to Km. 98+550 (LHS), from Km. 100+200 to Km. 100+720 (LHS), From Km.100+720 to Km. 106+980 (RHS), from Km. 105+775 to Km. 108+890 (LHS), from Km. 108+890 to Km. 114+665 (RHS), from Km. 114+450 to Km. 116+560 (LHS), from Km. 116+560 to Km. 134+600 (RHS), from Km. 125+760 to Km. 125+945 (LHS), from Km. 134+600 to Km. 140+000 (RHS), from Km. 140+000 to Km. 150+660 (RHS), from Km. 150+660 to Km. 167+950 (LHS), along existing NH-63 by Open trench methodology and across the existing National Highway NH-63 at Km.57+800, Km. 60+545, Km. 64+760, Km. 66+275, Km. 73+000, Km. 73+660, Km. 76+140, Km. Km. 78+950, Km. 85+800, Km. 85+910, Km. 90+955, Km. 93+855, Km. 97+270, Km. 97+700, Km. 98+550, Km. 100+720, Km. 101+810, Km. 102+150, Km. 105+775, Km. 108+890, Km. 114+450, Km. 116+560, Km. 119+660, Km. 123+560, Km. 124+760, Km. 125+760 Km. 132+250, Km. 134+600, Km. 140+000, Km. 144+195, Km. 145+875, Km. 147+450, Km. 150+660, Km. 154+560, and Km. 154+945 using HDD method on existing Armor - Jagtial- Mancherial section of NH-63 in the State of Telangana- Reg..

Ref: 1. PD, PIU Mancherial Lr.no. NHAI/PIU/MANCHERIAL/NH-63/A-J-M/2022/477, dt: 31.05.2022

The Project Director, PIU, NHAI, Mancherial vide letter cited above has recommended the Proposal M/s Telangana Fiber Grid Corporation Limited for laying of Optical Fiber Cable in between Km. 57+800 to Km. 167+950 along the existing NH-63 by Open trench methodology and across existing NH-63 by HDD methodology of Armoor - Jagtial - Mancherial section in the State of Telangana.

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

Yours faithfully,

Encls: Above Proposal

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

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 by M/s Telangan Fiber Grid Corporation limited for a total length of 105.515 Km from Km. 57+800 to Km.59+640 (RHS), from Km.59+710 to Km. 63+360 (RHS), Km. 63+400 to Km.76+140 (RHS), from Km. 73+000 to Km. 74+035 (LHS), from Km.78+950 to Km. 81+555 (LHS), from Km. 84+965 to Km. 85+800 (RHS), from Km. 85+880 to Km. 85+910 (RHS), from Km. 85+815 to Km. 97+270 (LHS), Km. 97+700 to Km. 98+550 (LHS), from Km. 100+200 to Km. 100+720 (LHS), From Km.100+720 to Km. 106+980 (RHS), from Km. 105+775 to Km. 108+890 (LHS), from Km. 108+890 to Km. 114+665 (RHS), from Km. 114+450 to Km. 116+560 (LHS), from Km. 116+560 to Km. 134+600 (RHS), from Km. 125+760 to Km. 125+945 (LHS), from Km. 134+600 to Km. 140+000 (RHS), from Km. 140+000 to Km. 150+660 (RHS), from Km. 150+660 to Km. 167+950 (LHS), along existing NH-63 by Open trench methodology and across the existing National Highway NH-63 at Km.57+800, Km. 60+545, Km. 64+760, Km. 66+275, Km. 73+000, Km. 73+660, Km. 76+140, Km. Km. 78+950, Km. 85+800, Km. 85+910, Km. 90+955, Km. 93+855, Km. 97+270, Km. 97+700, Km. 98+550, Km. 100+720, Km. 101+810, Km. 102+150, Km. 105+775, Km. 108+890, Km. 114+450, Km. 116+560, Km. 119+660, Km. 123+560, Km. 124+760, Km. 125+760 Km. 132+250, Km. 134+600, Km. 140+000, Km. 144+195, Km. 145+875, Km. 147+450, Km. 150+660, Km. 154+560, and Km. 154+945 using HDD method on existing Armor - Jagtial-Mancherial section of NH-63 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)	

ANNEXURE-I

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

1) Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.09.2000
2) NHAI's circular No. NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensives guideline and draft license agreement for laying of OFC cable by private party in the land along National Highway vested with NHAI.
3) Ministry's circular No. RW/NH-333044/27/2000-S&R (R) date 21.03.2016. It is regarding the modification of previous Ministry's circular enhancing the amount of Performance Bank Guarantee @ Rs. 100 per route meter 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-63	
1.3	State	Telangana	
1.4	Location	Between CH 157/800 to CH 167/950	
1.5	(Chainage in km)	On RHS from Km 57/800 to 76/140,85/00 to 85/885,100/720 to 106/970, 108/890 to 114/665,116/560 to 134/600,140/0 to 150/660. On LHS Km 73/00 to 74/035, 78/950 to 81/555, 85/815 to 97/200, 97/700 to 98/550, 100/200 to 100/720, 105/775 to 108/890, 114/450 to 116/560, 125/760 to 125/945, 134/600 to 140/0,150/660 to 167/950. and across the road lengths of 1.120KM.Total Section length at different locations for ROW applied KM 105.570 (i.e. 105570Mtrs) under the jurisdiction of PIU Mancherial.	
1.6	Length in Meters	105570 Mtrs	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction	15/20 Mtrs	
	(b) Right side from center line towards increasing chainage/km direction	15/20 Mtrs	
1.8	Proposal to lay the cable		

	(a) Left side from center line towards increasing chainage/km direction	15/20 Mtrs	
	(b) Right side from center line towards increasing chainage/km direction	15/20 Mtrs	
1.9	Proposal to acquire land	NA	
	(a) Left side form 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	2 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 Lane	
1.14	Service road existing or not	NO	
	If yes then which side		
	(a) Left side from center line	15-20 Meters	
	(b) Right side from center line	15-20 Meters	
1.15	Proposed Service Road	NA	
	(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.		
	(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.		
	(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 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		
1.19	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. Agreed	
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 mile stone, 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)	Yes	
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 4lanning / 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 the same has to be paid by the applicant	Yes ; Enclosed	
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	Yes ; Enclosed	
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	Yes	

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	7.11.2000 and Ministry's Circular No. RW/NH-33044/27/2000-S&R dated 21.3.2006.		
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. "*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."*	"*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.57/800 to 167/950 on NH-63 (Lot 1/Telengana/Package 2 Armoor-Jagityal-Mancherial section of NH 63) to Manchrial Section***	
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/33044/17/2000/S&R dated 23.7.2003) as referred in para 13 above is enclosed or not.		

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National Highways Authority of India PIU Mancherial

Annexure-II

[Enclosure to Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.9.2000 and dt. 23.07.2003]

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) : NH
3. NHAI Number : NH-63

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.	CH 57/800 to 76/140 CH 85/00 to 85/885 CH 100/720 to 106/970 CH 108/890 to 114/665 CH 116/560 to 134/600 CH 140/0 to 150/660	RHS		Telangana Fiber	Telangana Fiber Grid Corporation Ltd. 7th Floor splendid Tower SP Road Begumpet, Hyderabad. Telangana-500003				No	
2.	CH 73/00 to 74/035 CH 78/950 to 81/555 CH 85/815 to 97/200, CH 97/700 to 98/550, CH 100/200 to 100/720, CH 105/775 to 108/890, CH 114/450 to 116/560, CH 125/760 to 125/945, CH 134/600 to 140/0, CH 150/660 to 167/950.	LHS								

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	Crossing CH- 57/800 CH- 60/545 CH- 64/760 CH- 68/275 CH- 73/00 CH- 73/660 CH- 76/140 CH- 78/950 CH- 85/815 CH- 85/910 CH- 90/955 CH- 93/855 CH- 97/200 CH- 97/700 CH- 98/550 CH- 100/720 CH- 101/810 CH- 102/150 CH- 105/775 CH- 108/890 CH- 114/450 CH- 116/560 CH- 119/660 CH- 123/560 CH- 124/760 CH- 125/760 CH- 132/250 CH- 134/600 CH- 140/0 CH- 144/195 CH- 145/875 CH- 147/450 CH- 150/660 CH- 154/560 CH- 154/945									

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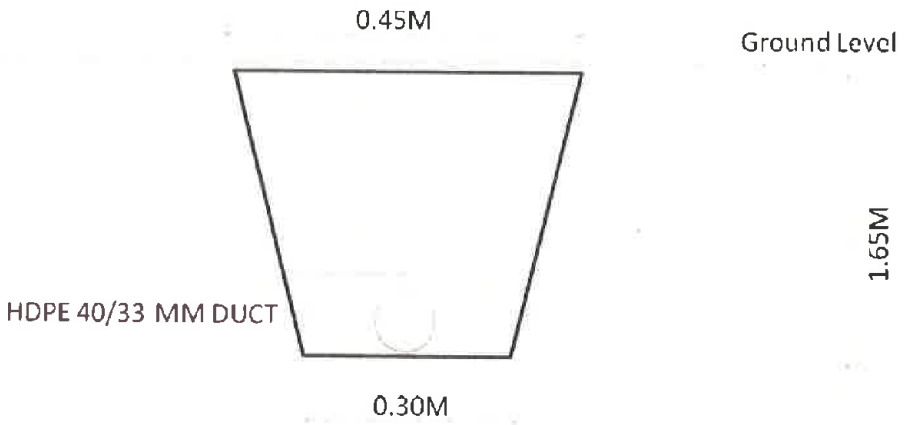
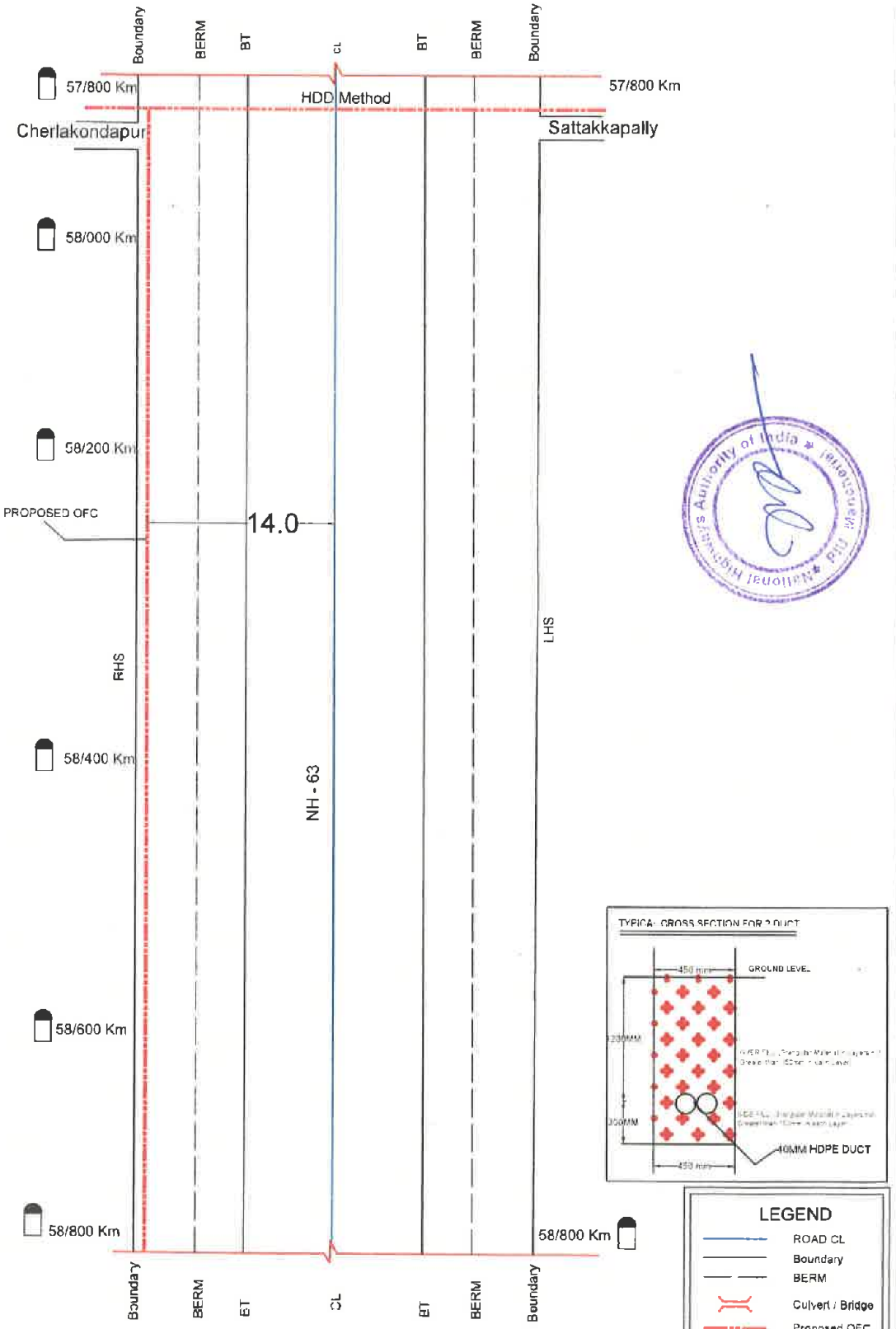
ANNEXURE NO-7

TYPICAL CROSS SECTION OF TRENCHING FOR OFC LAYING



Mandal METAPALLE- NH 63 - 57/800 to 58/800



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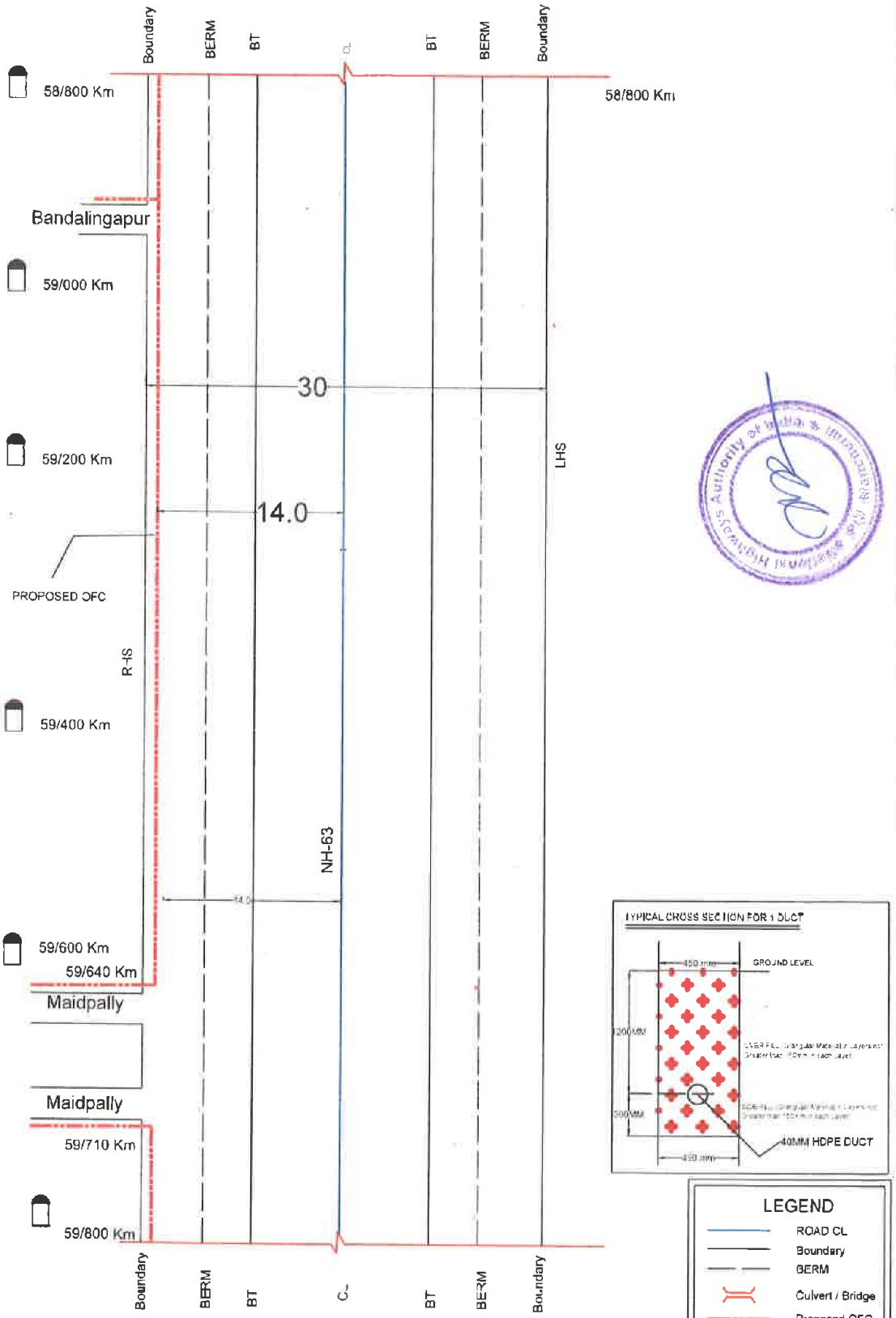
All Dimensions are in Meters

Mandal METAPALLE- NH- 63 - 58/800 to 59/800



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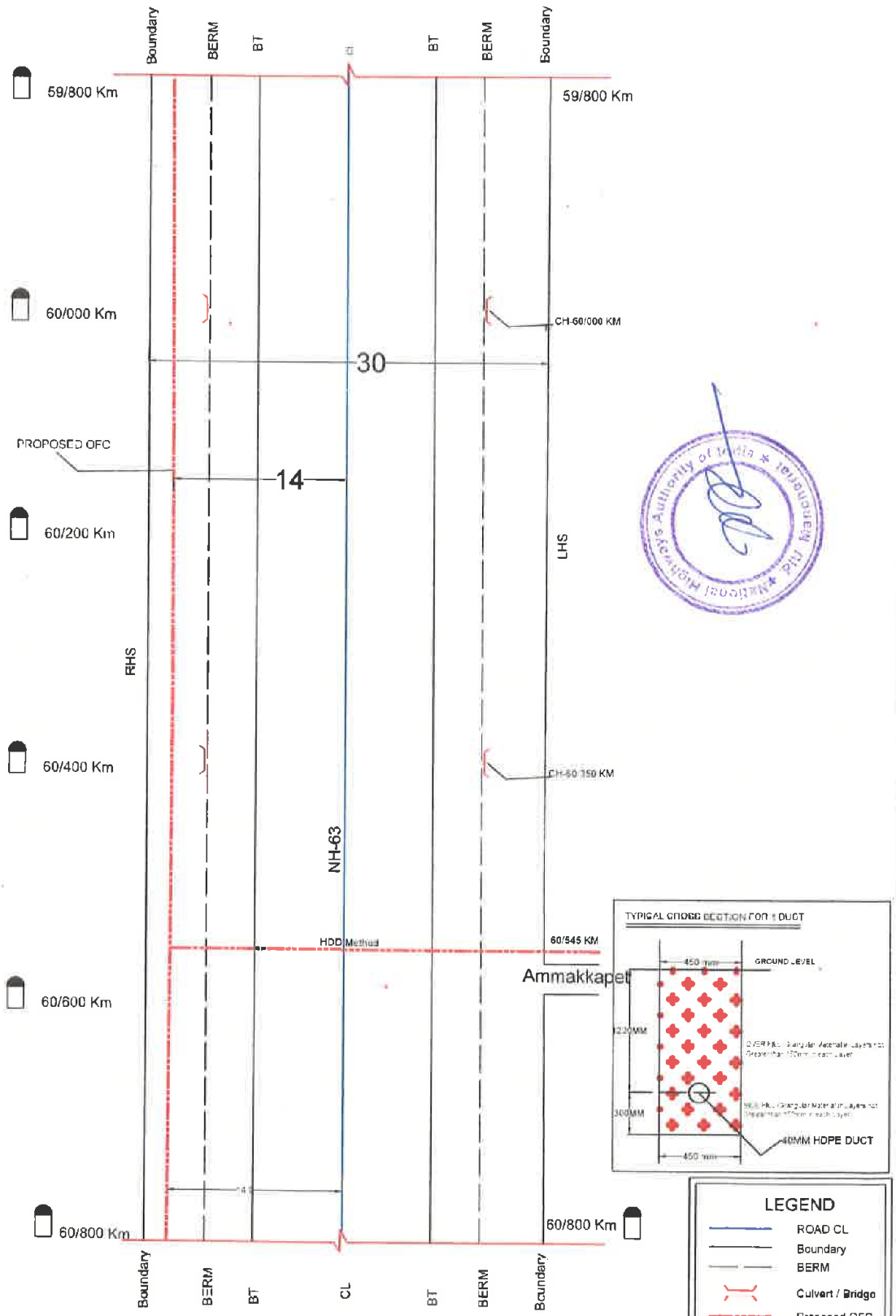
All Dimensions are in Meters

Mandal METAPALLE- NH-63 - 59/800 to 60/800



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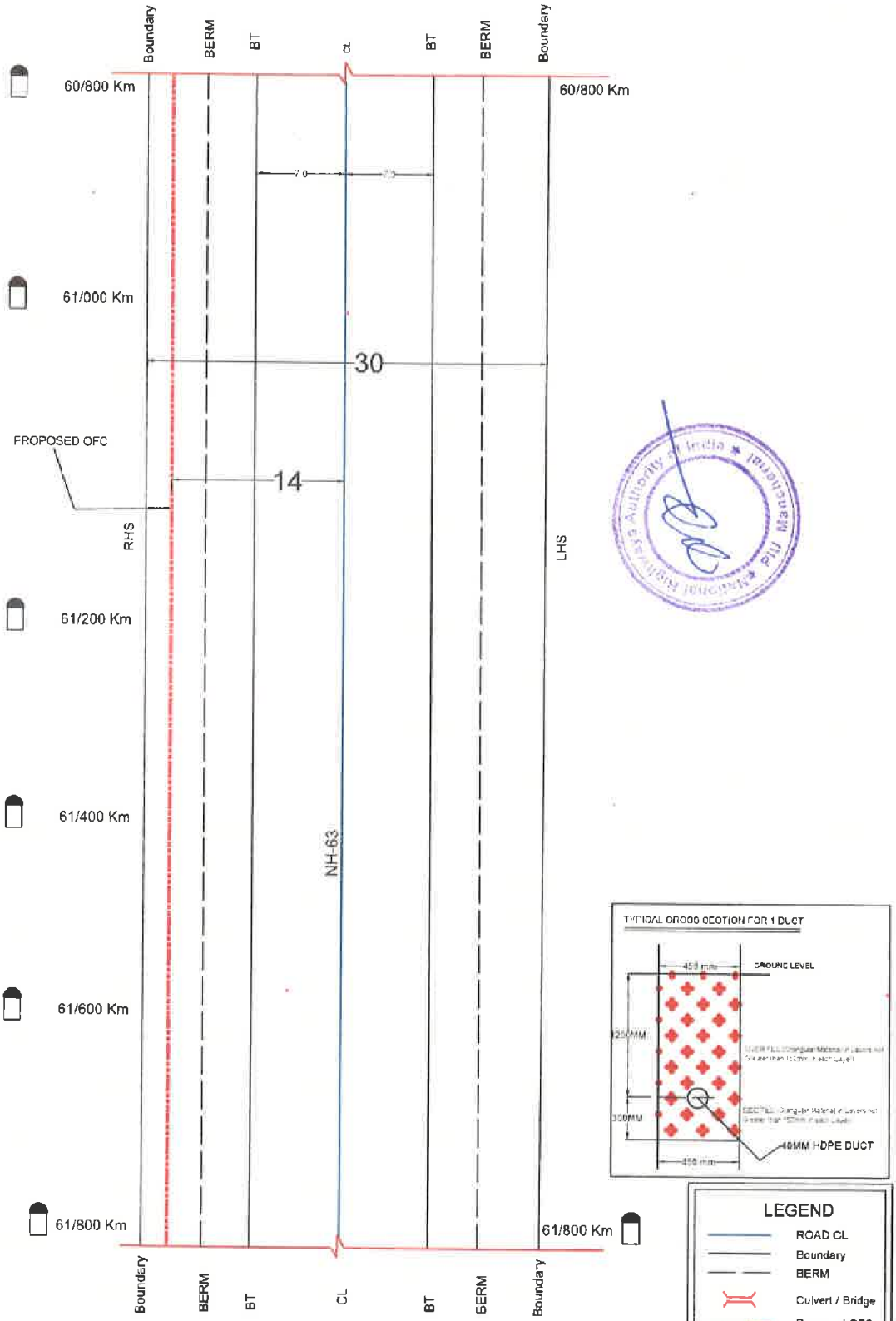
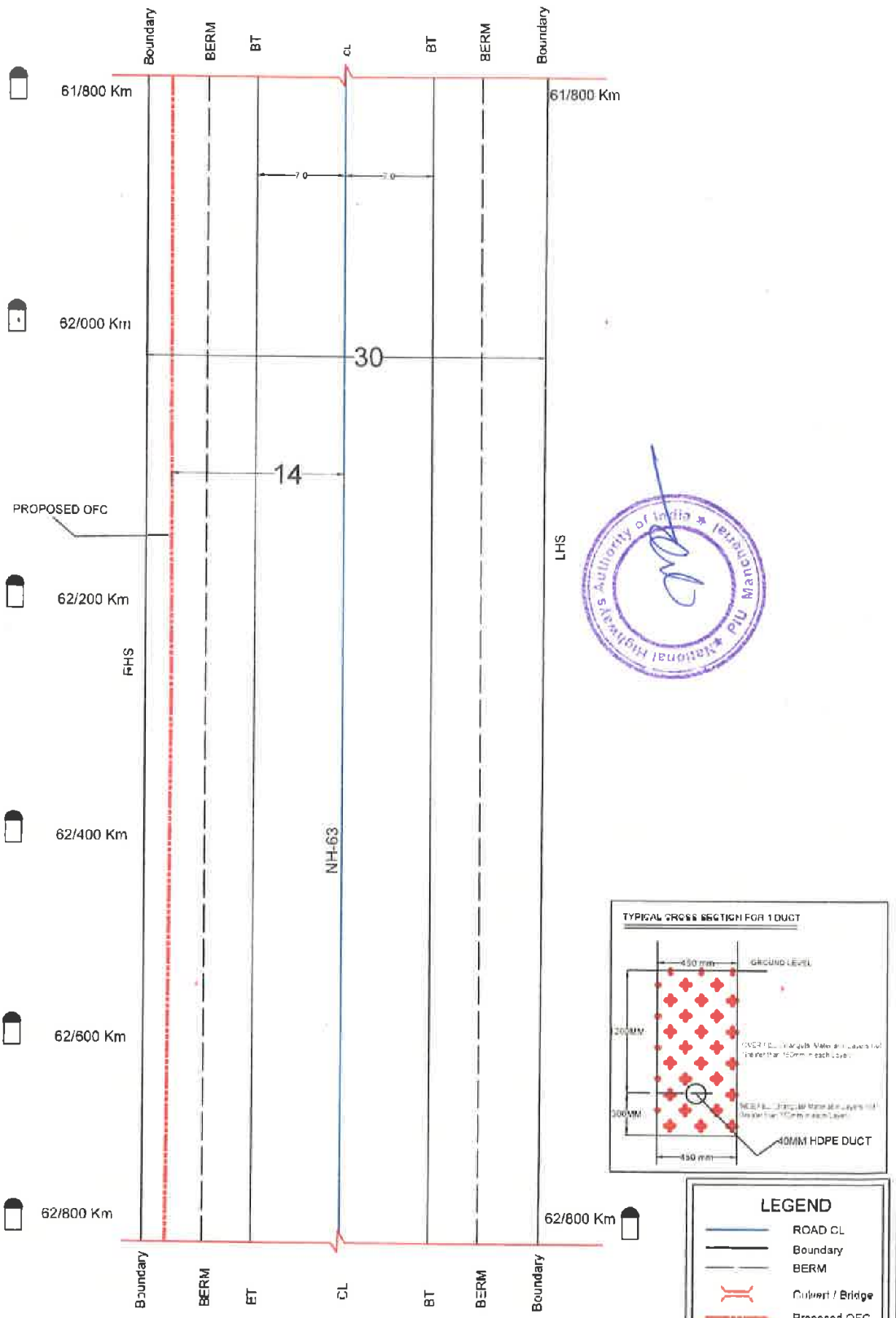
Mandal METAPALLE- NH- 63 - 60/800 to 61/800



SECTION LENGTH=1000 M

All Dimensions are in Meters

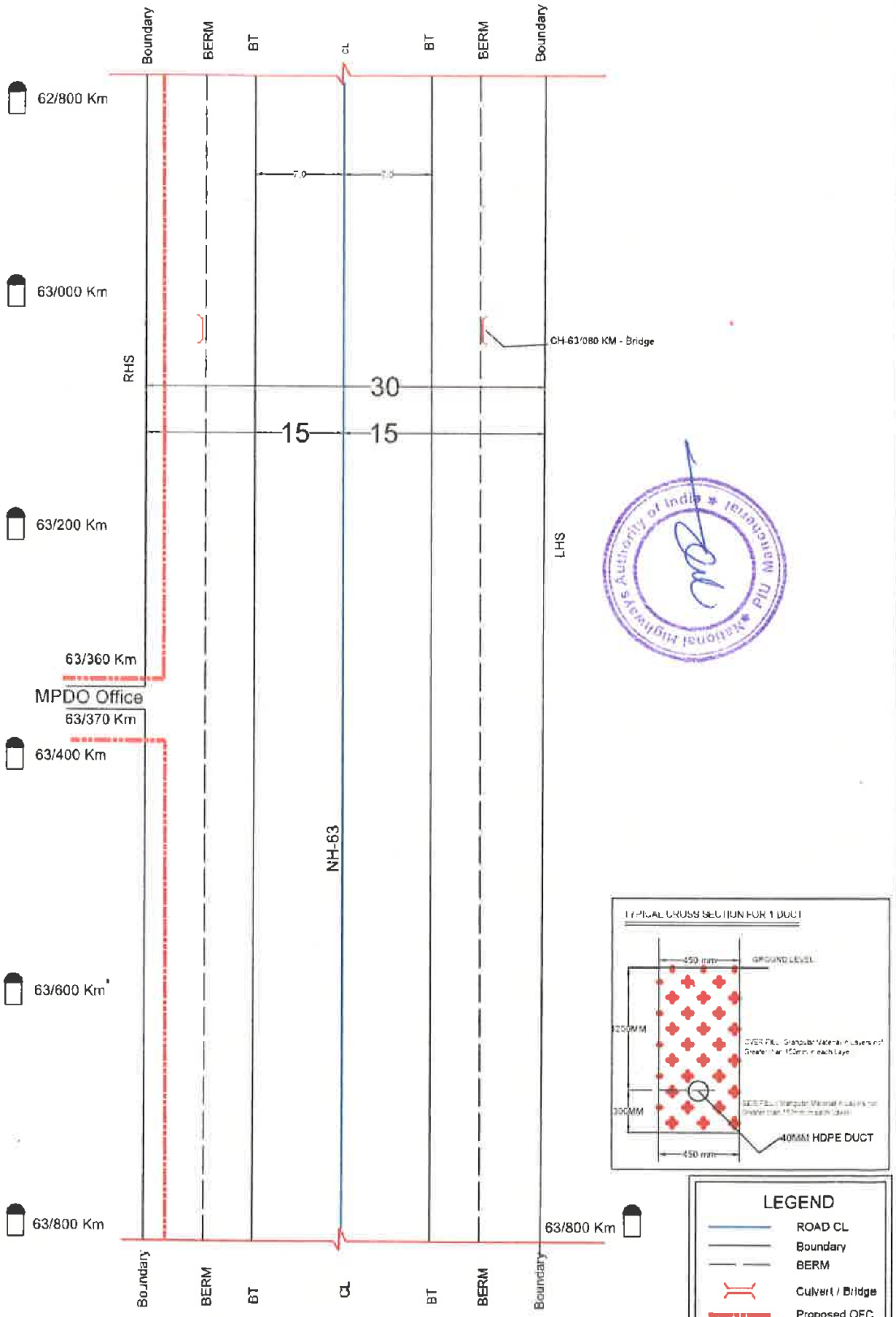
Mandal METAPALLE- NH 63 - 61/800 to 62/800



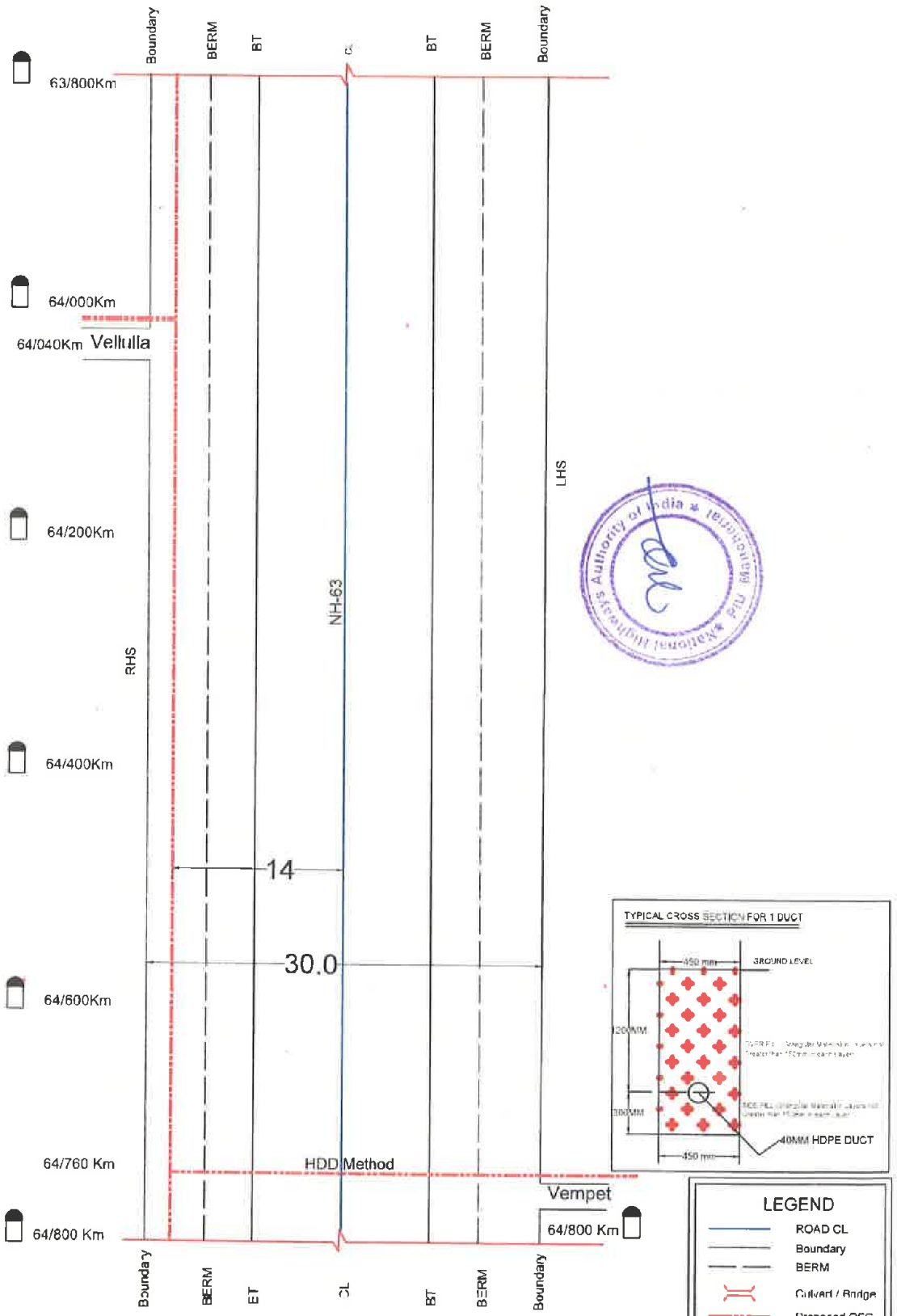
SECTION LENGTH=1000 M

All Dimensions are in Meters

Mandal METAPALLE- NH 63 - 62/800 to 63/800



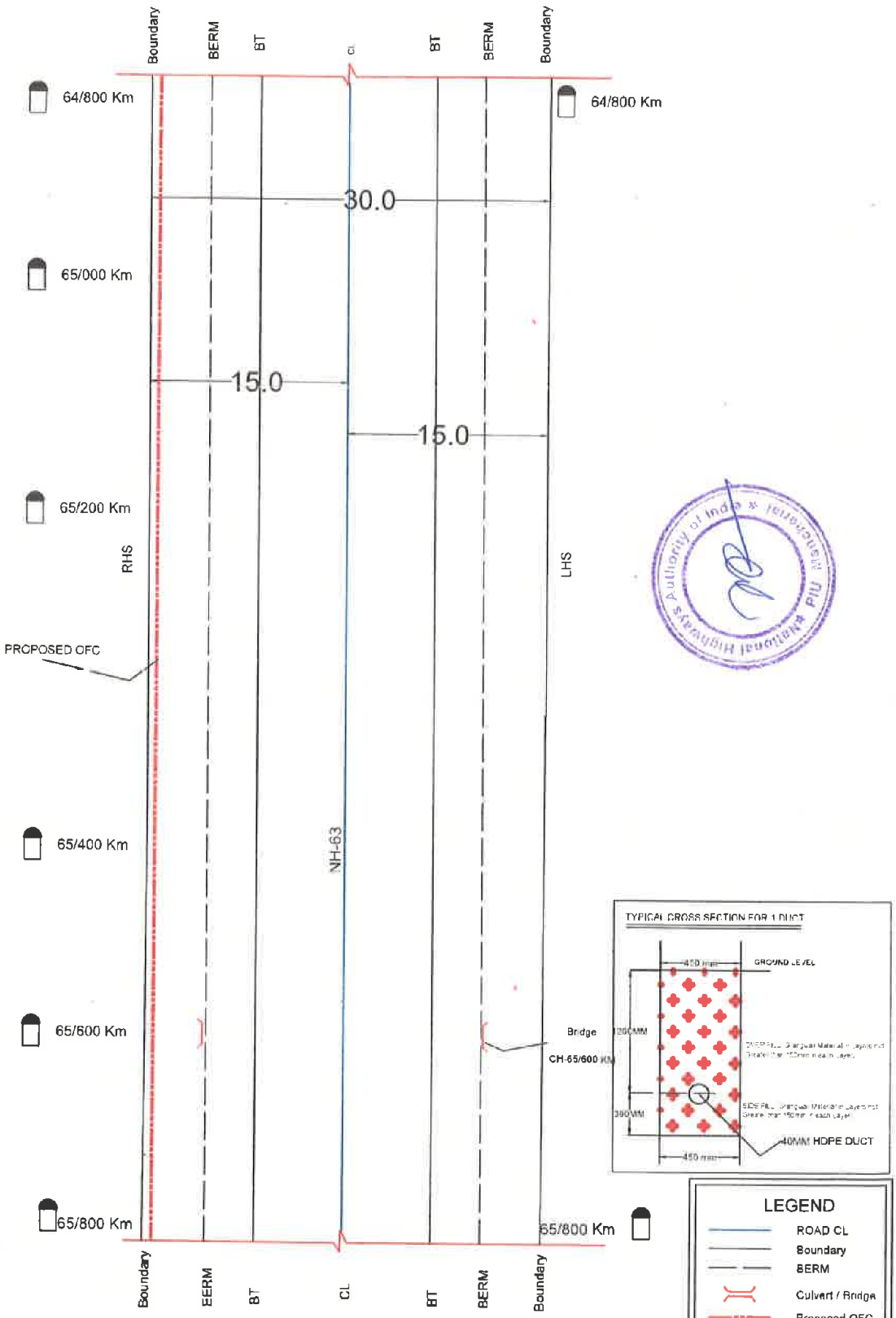
Mandal METAPALLE- NH 63 - 63/800 to 64/800



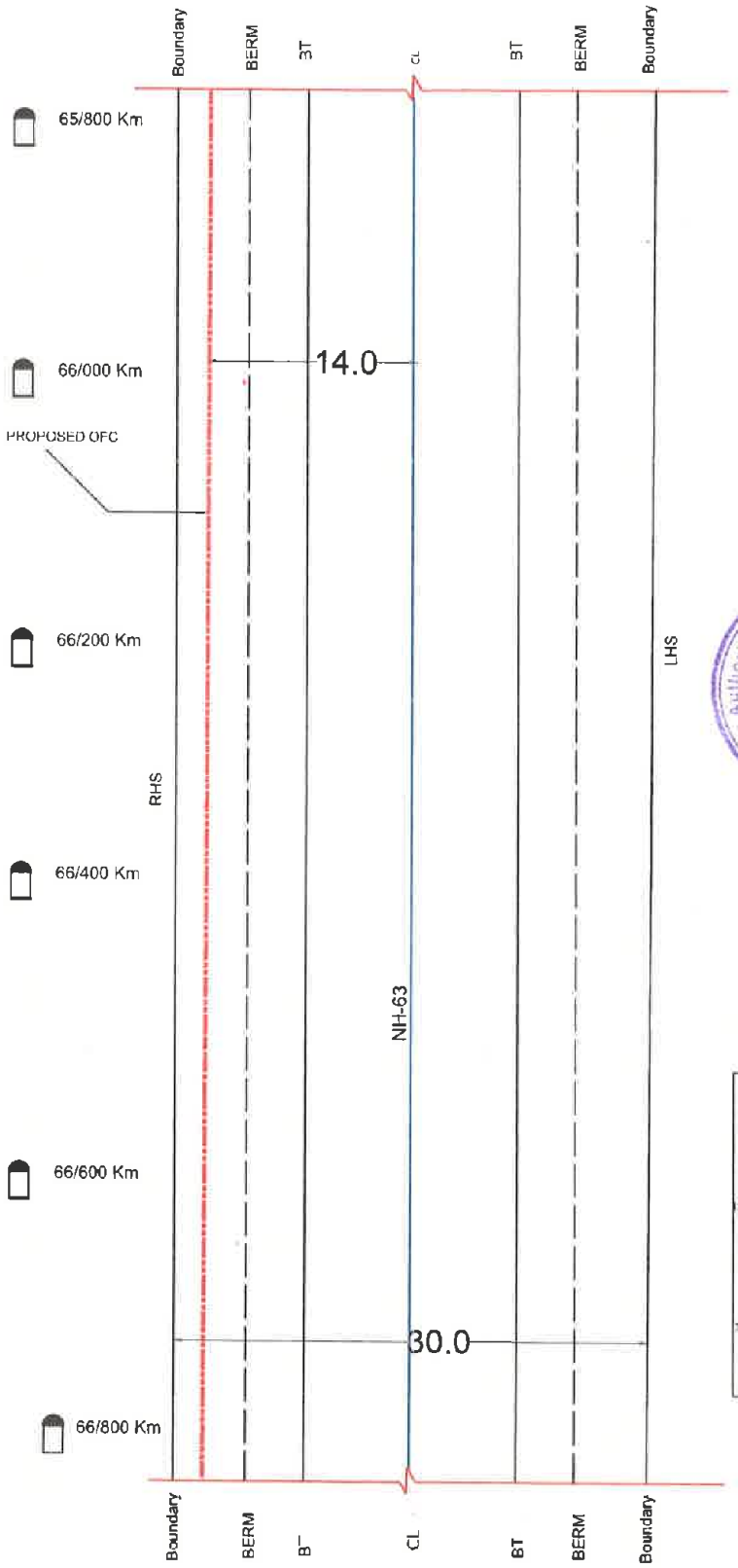
SECTION LENGTH=1000M

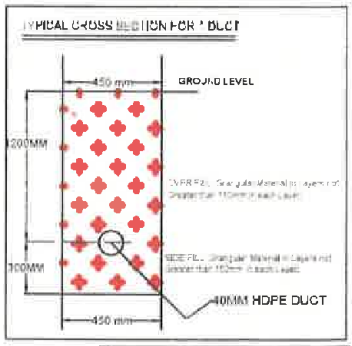
All Dimensions are in Meters

Mandal METAPALLE- NH 63 -64/800 to 65/800



Mandal METAPALLE- NH 63 - 65/800 to 66/800





LEGEND

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

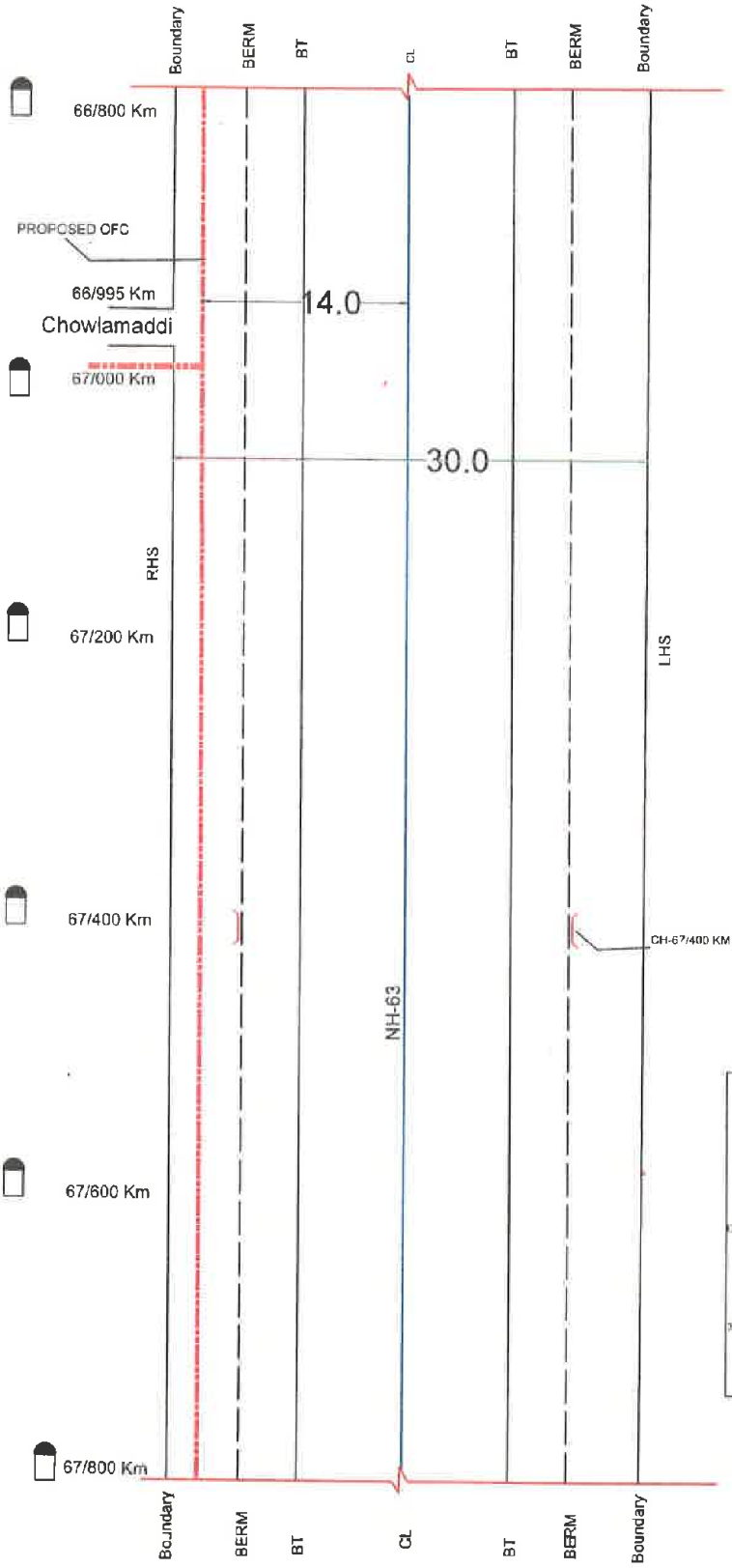
SCALE	NOT TO SCALE

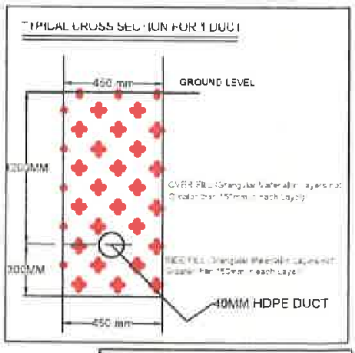
SECTION LENGTH= 1000 M

All Dimensions are in Meters

National Highways Authority of India

Mandal METAPALLE- NH 63 - 66/800 to 67/800





LEGEND

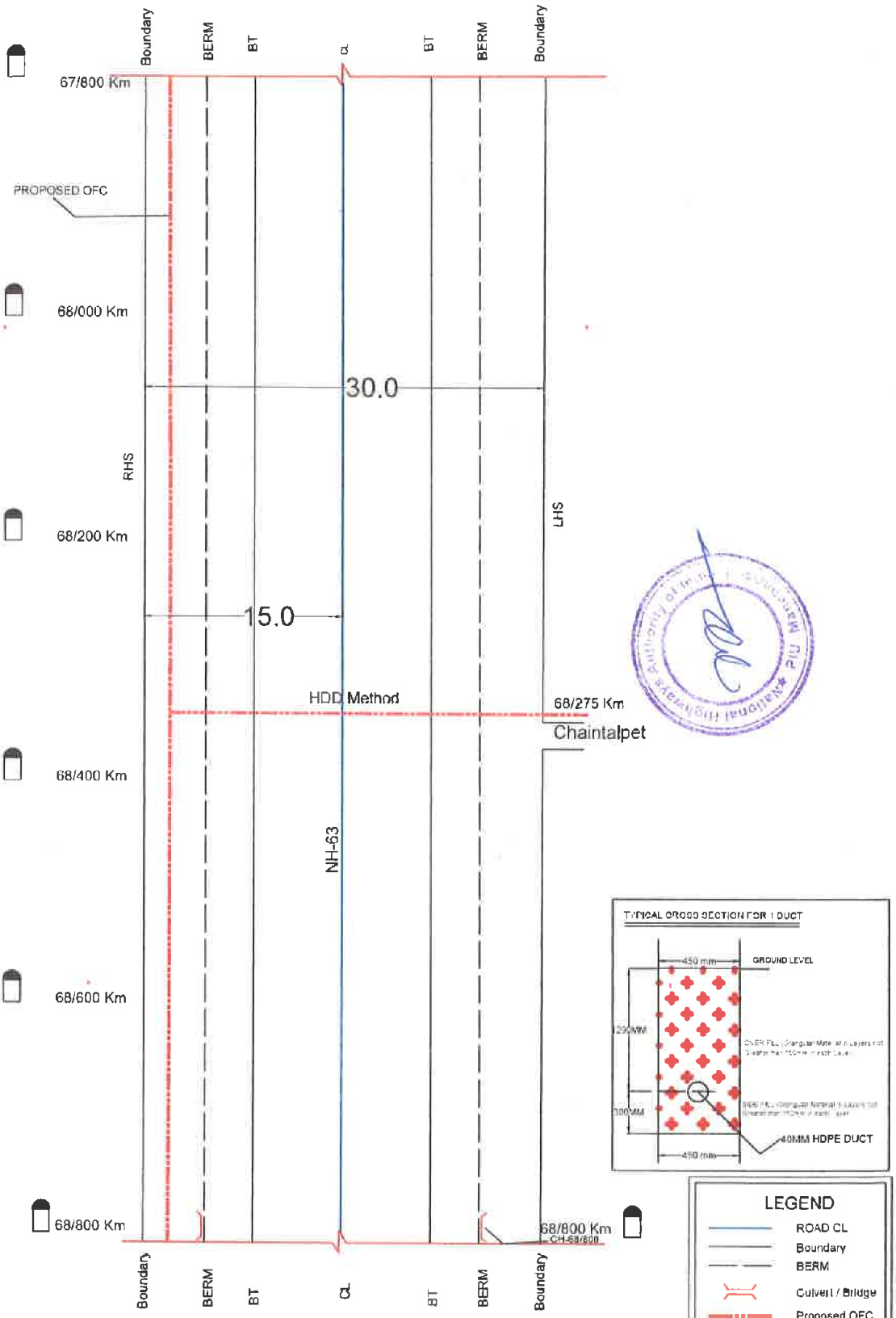
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

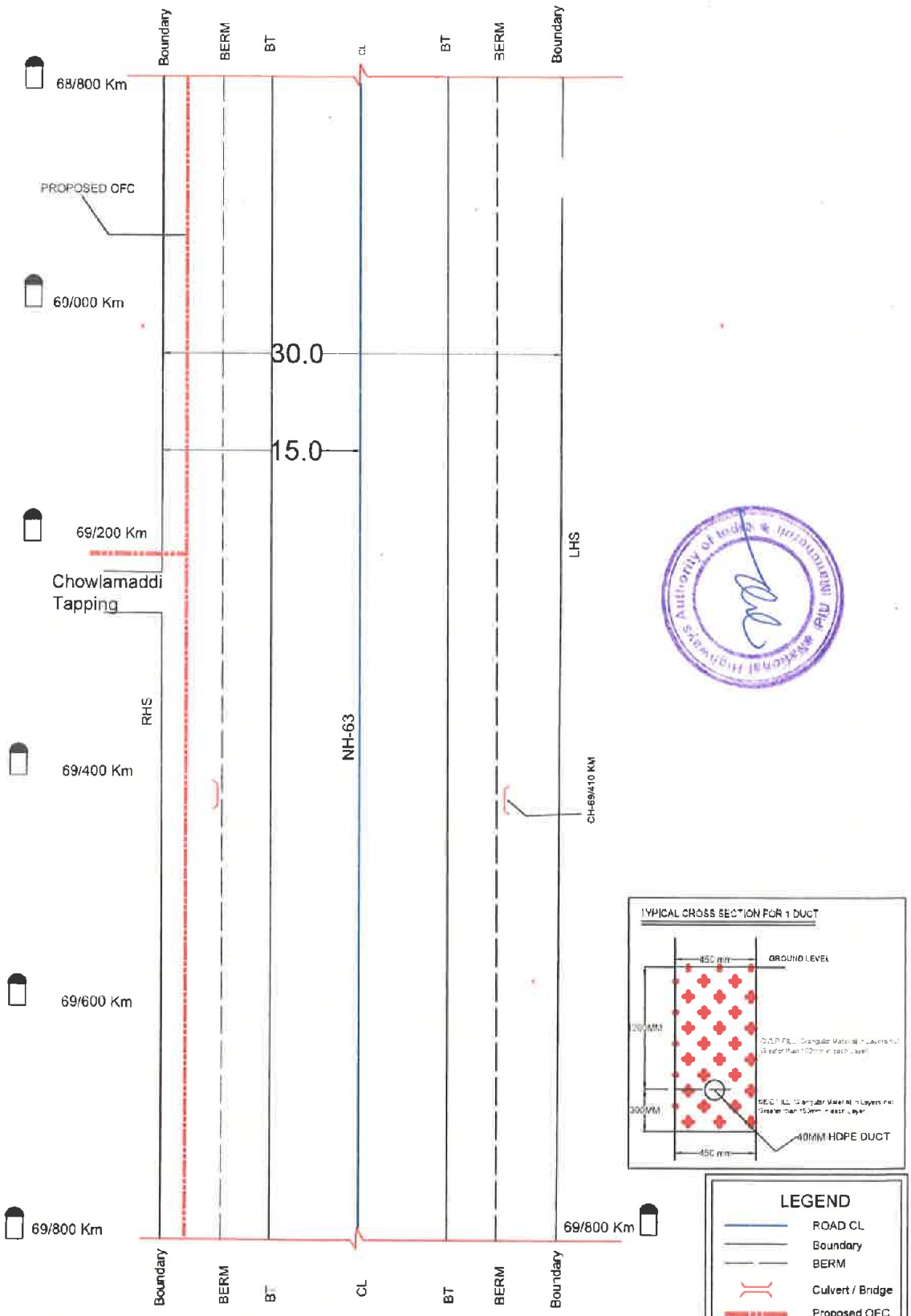
Mandal METAPALLE- NH 63 - 67/800 to 68/800



SECTION LENGTH=1000M

All Dimensions are in Meters

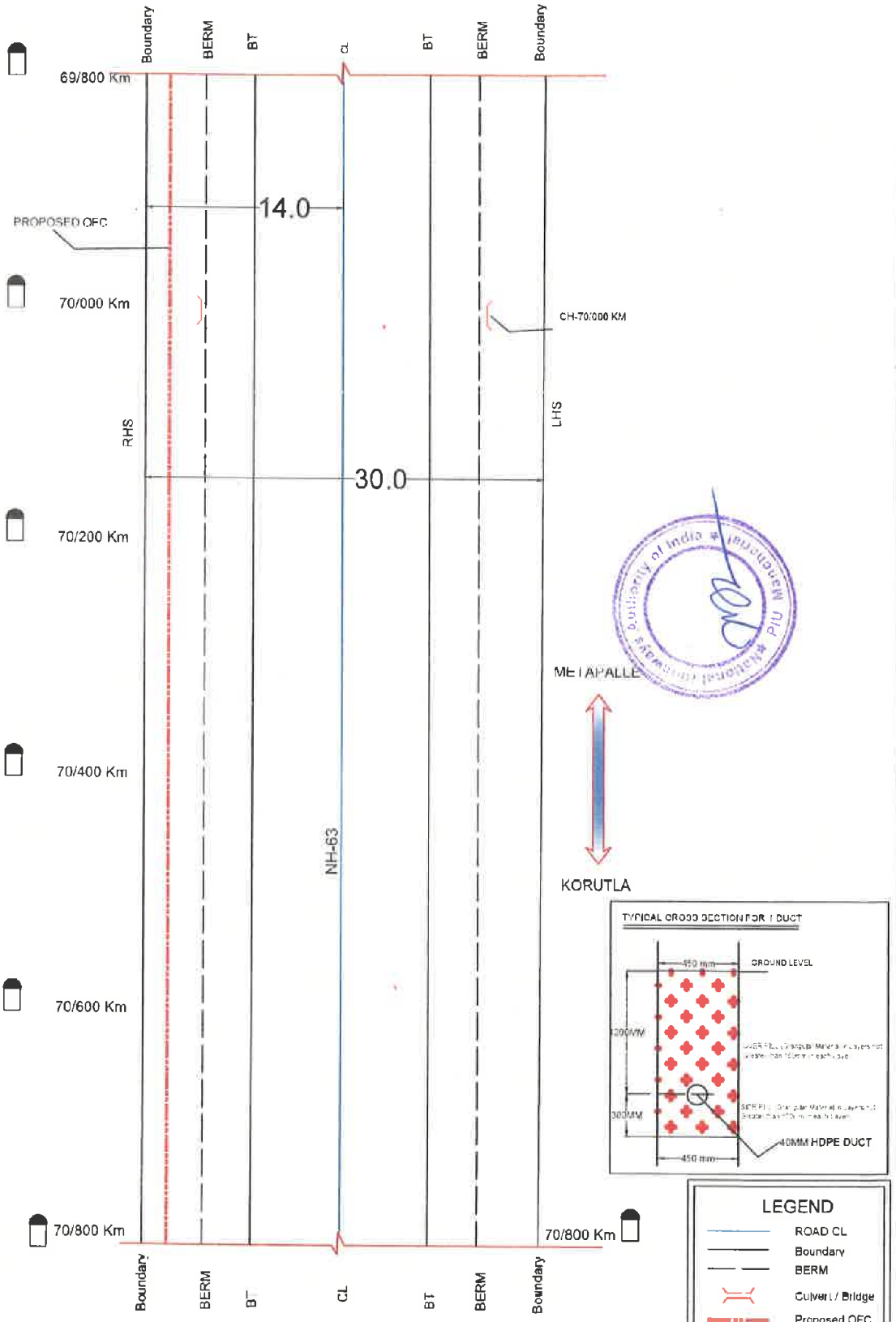
Mandal METAPALLE- NH 63 - 68/800 to 69/800



SECTION LENGTH=1000 M

All Dimensions are in Meters

Mandal METAPALLE- NH 63 - 69/800 to 70/800



LEGEND

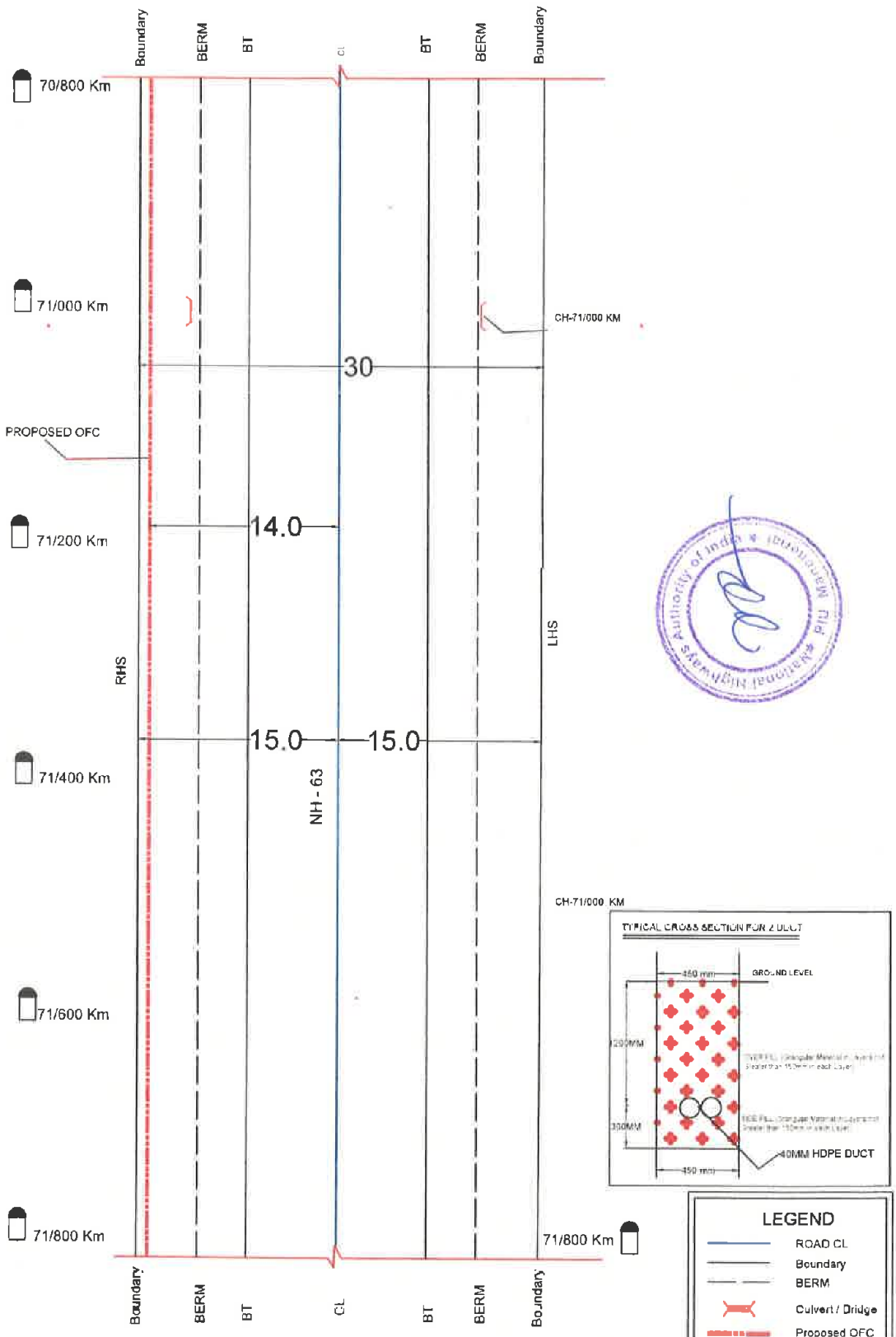
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters

Mandal KORUTLA- NH- 63 - 70/800 to 71/800



LEGEND

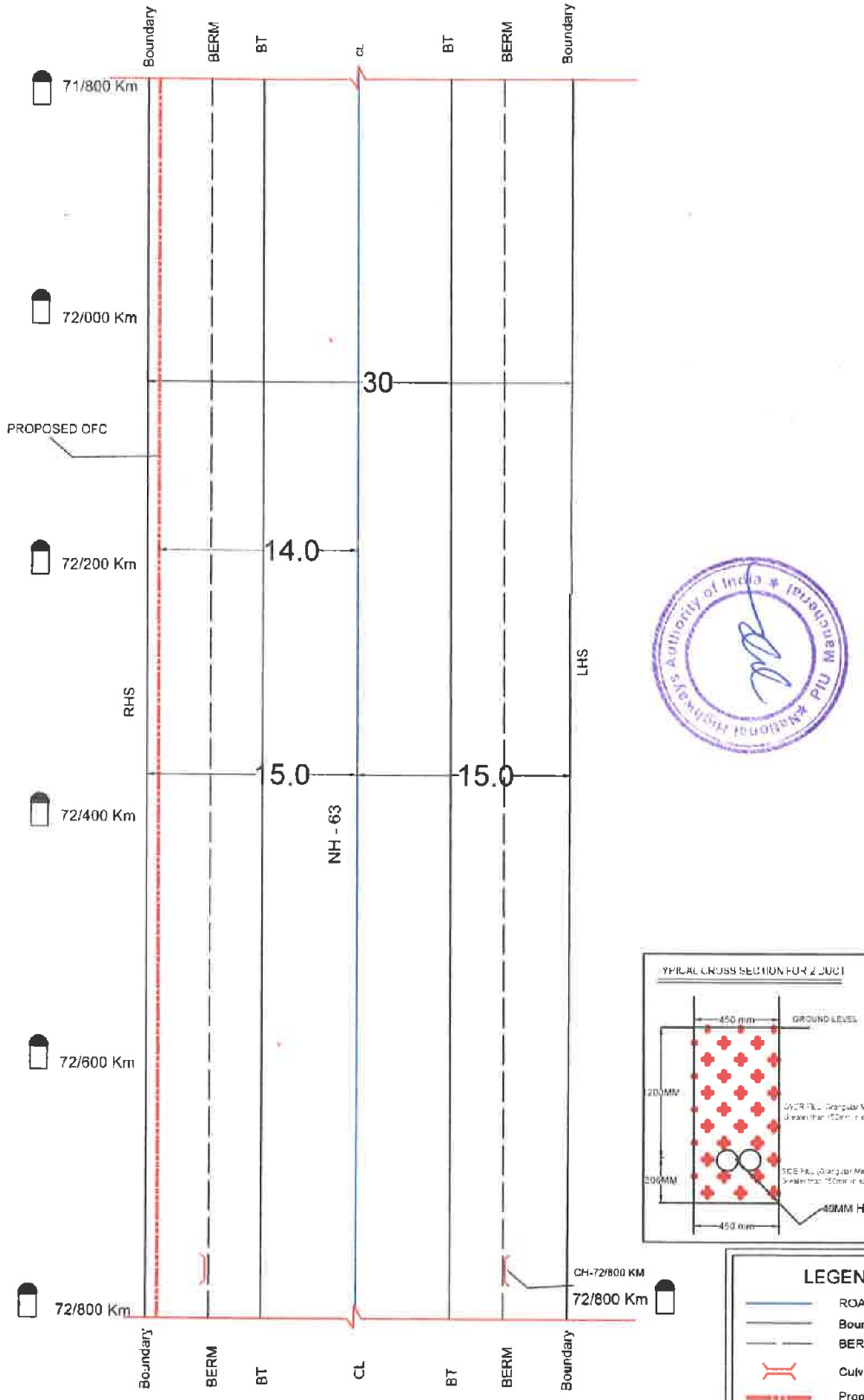
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

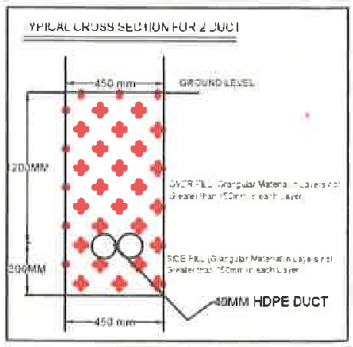
SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal KORUTLA- NH- 63 - 71/800 to 72/800





LEGEND

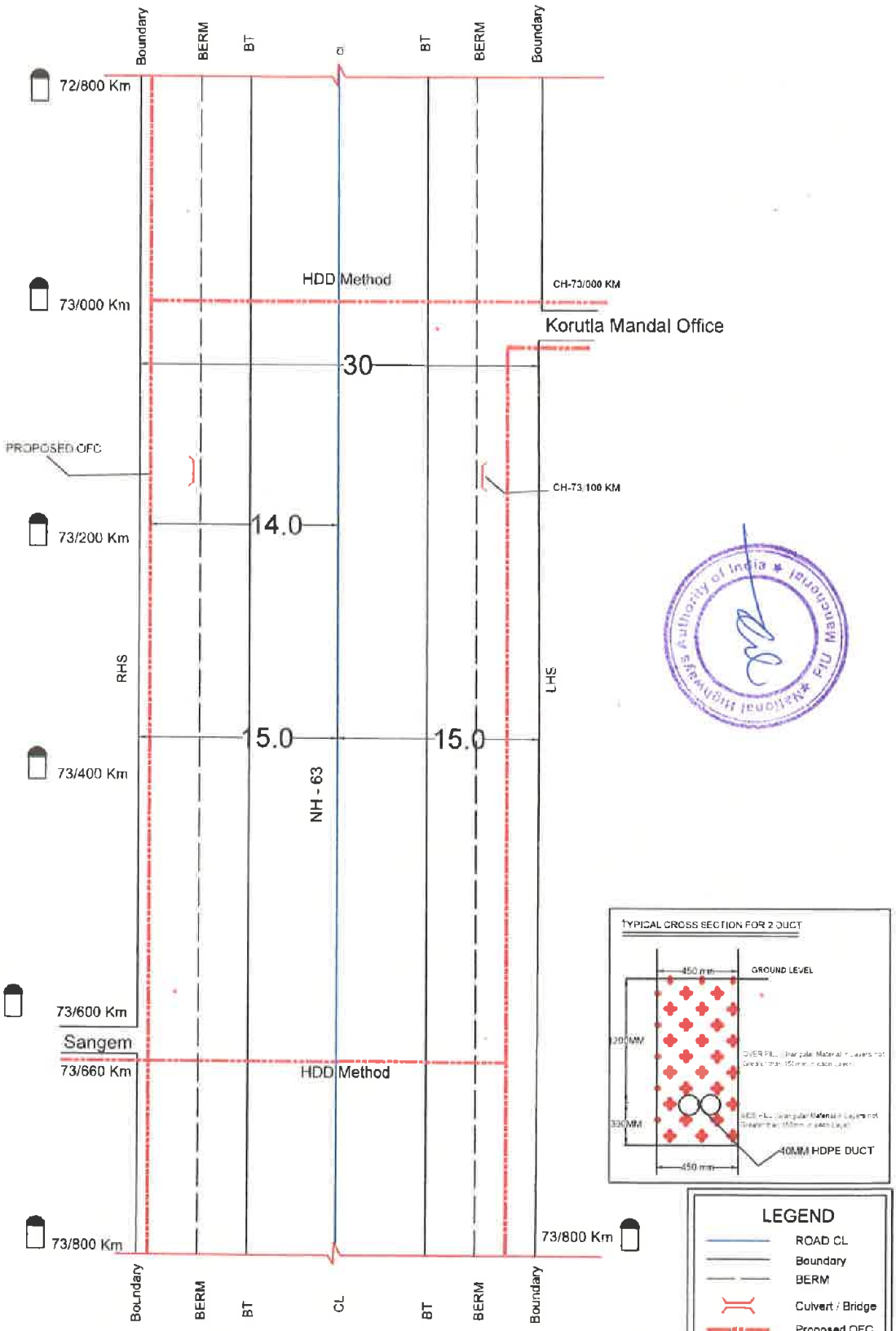
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

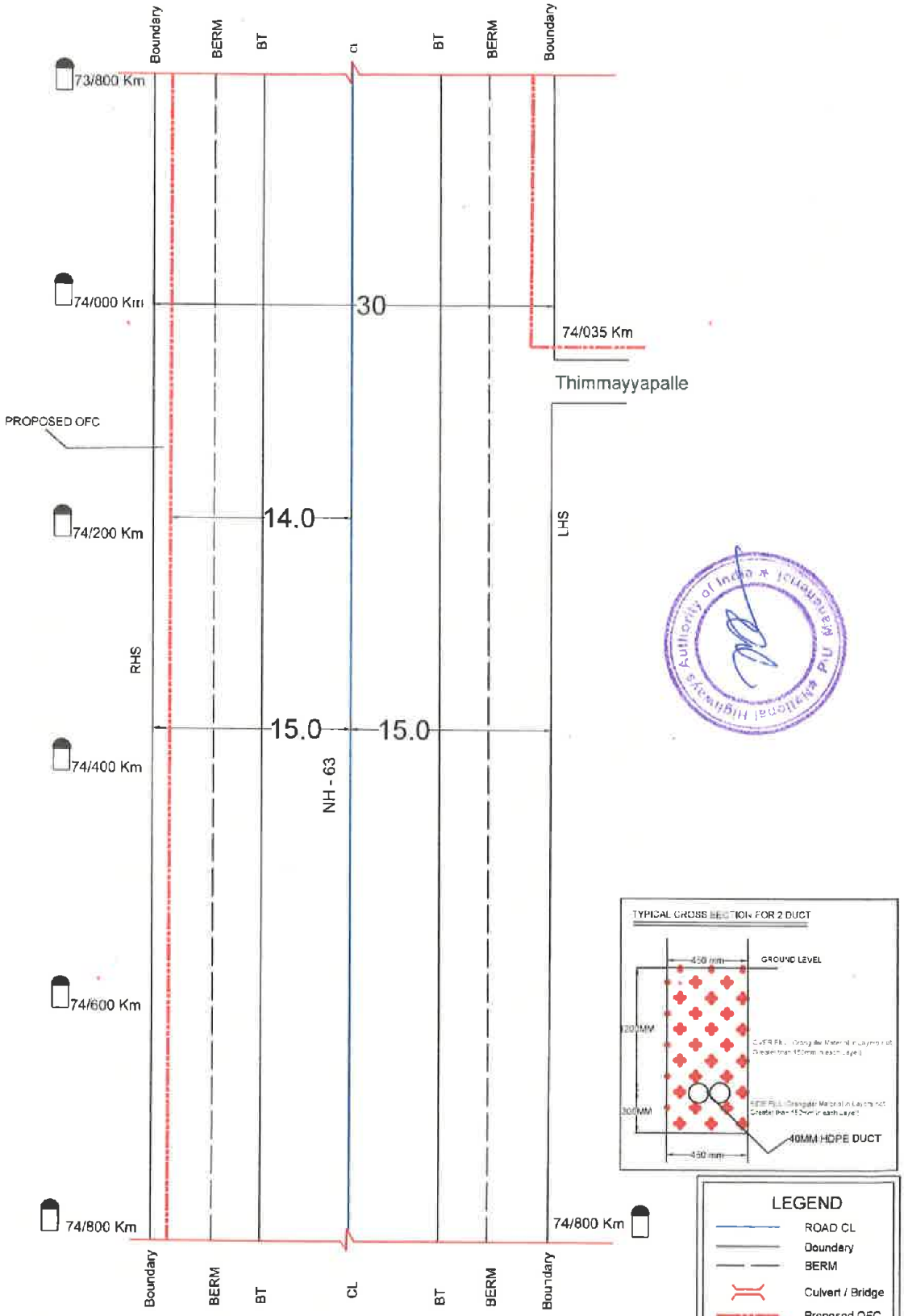
Mandal KORUTLA- NH- 63 - 72/800 to 73/800



SECTION LENGTH=1000M

All Dimensions are in Meters

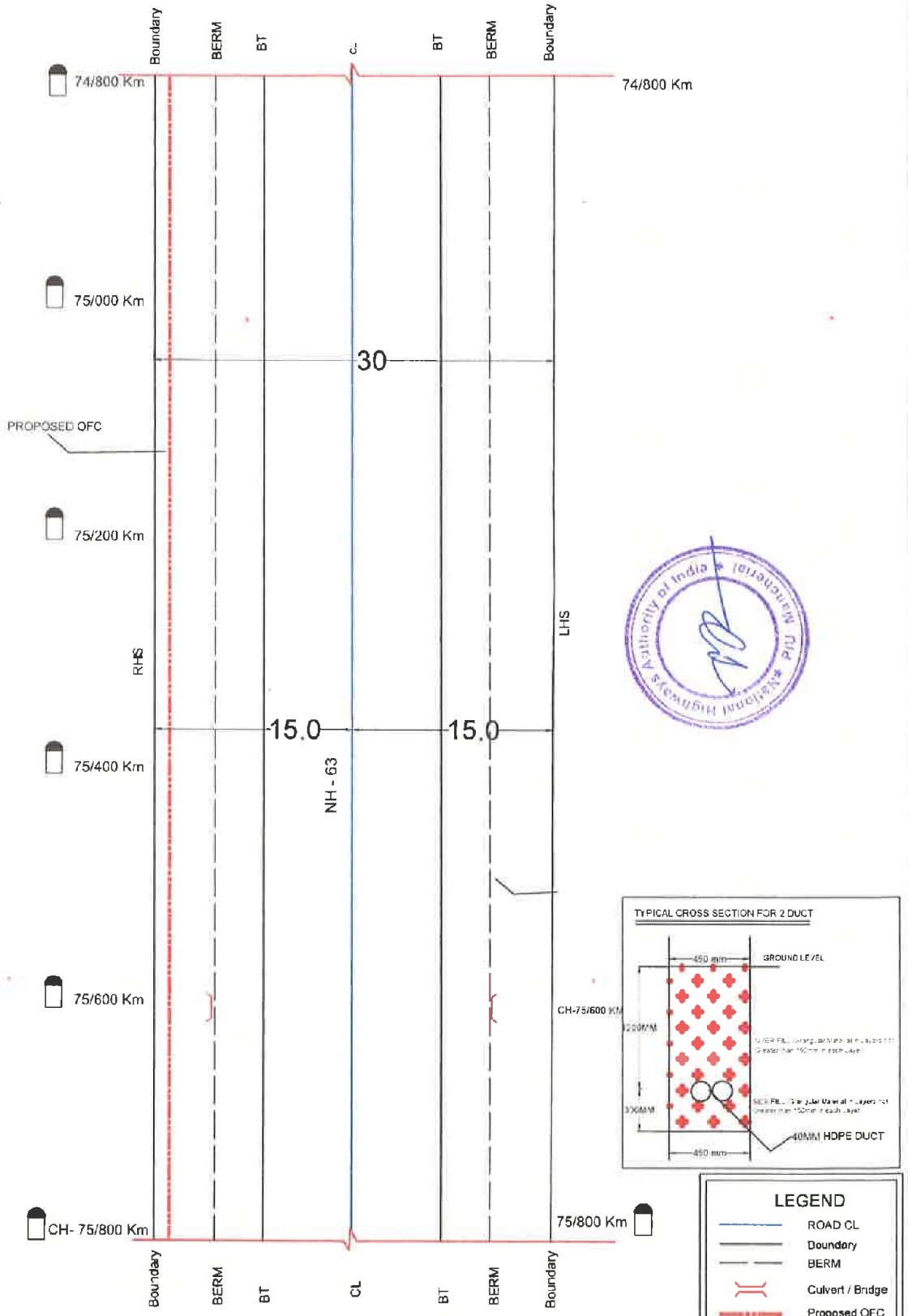
Mandal KORUTLA- NH- 63 - 73/800 to 74/800



SECTION LENGTH=1000M

All Dimensions are in Meters

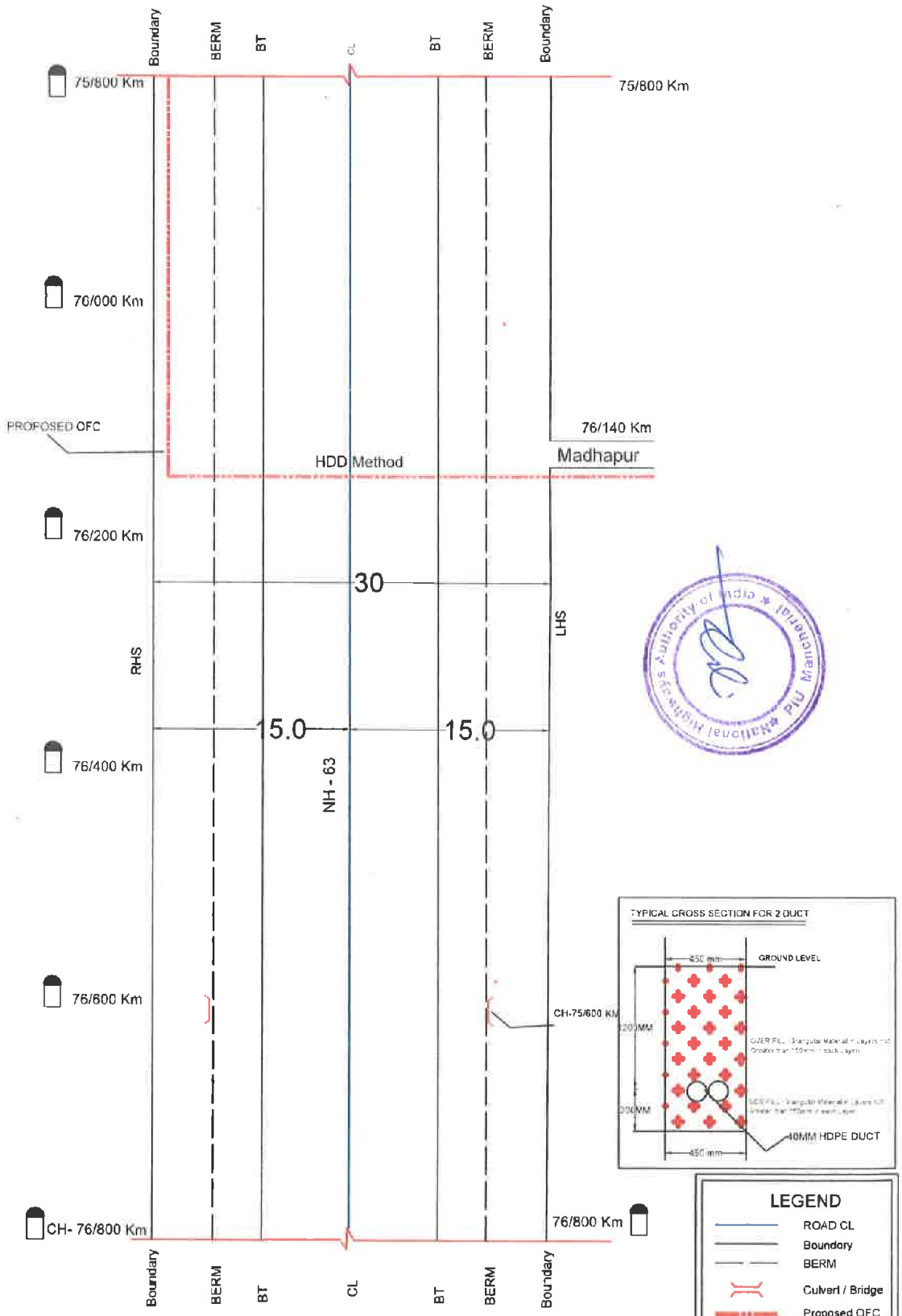
Mandal KORUTLA- NH- 63 - 74/800 to 75/800



SECTION LENGTH=1000M

All Dimensions are in Meters

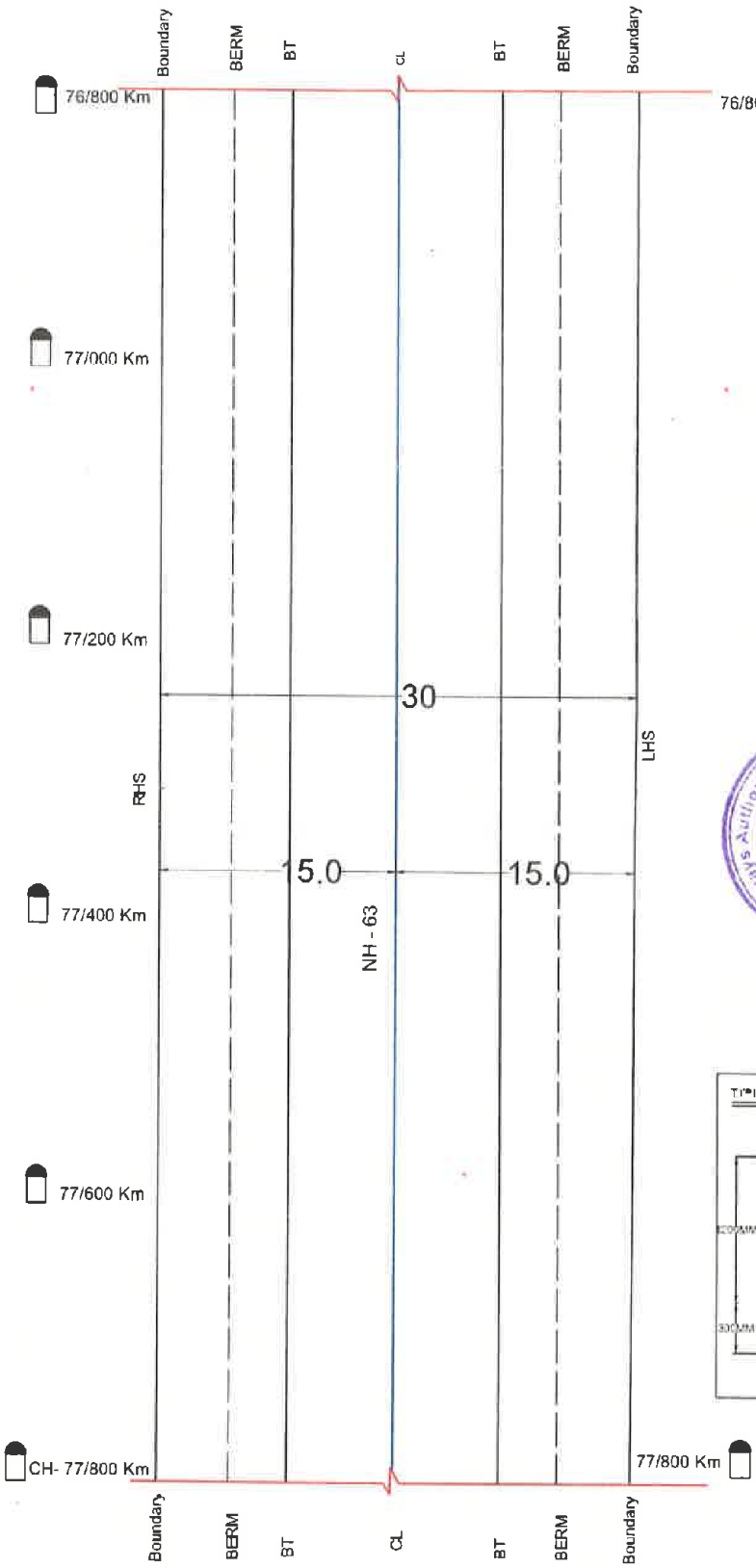
Mandal KORUTLA- NH- 63 - 75/800 to 76/800

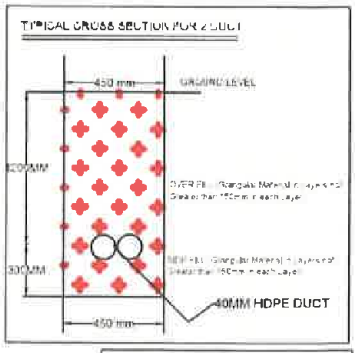


SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal KORUTLA- NH- 63 - 76/800 to 77/800





LEGEND

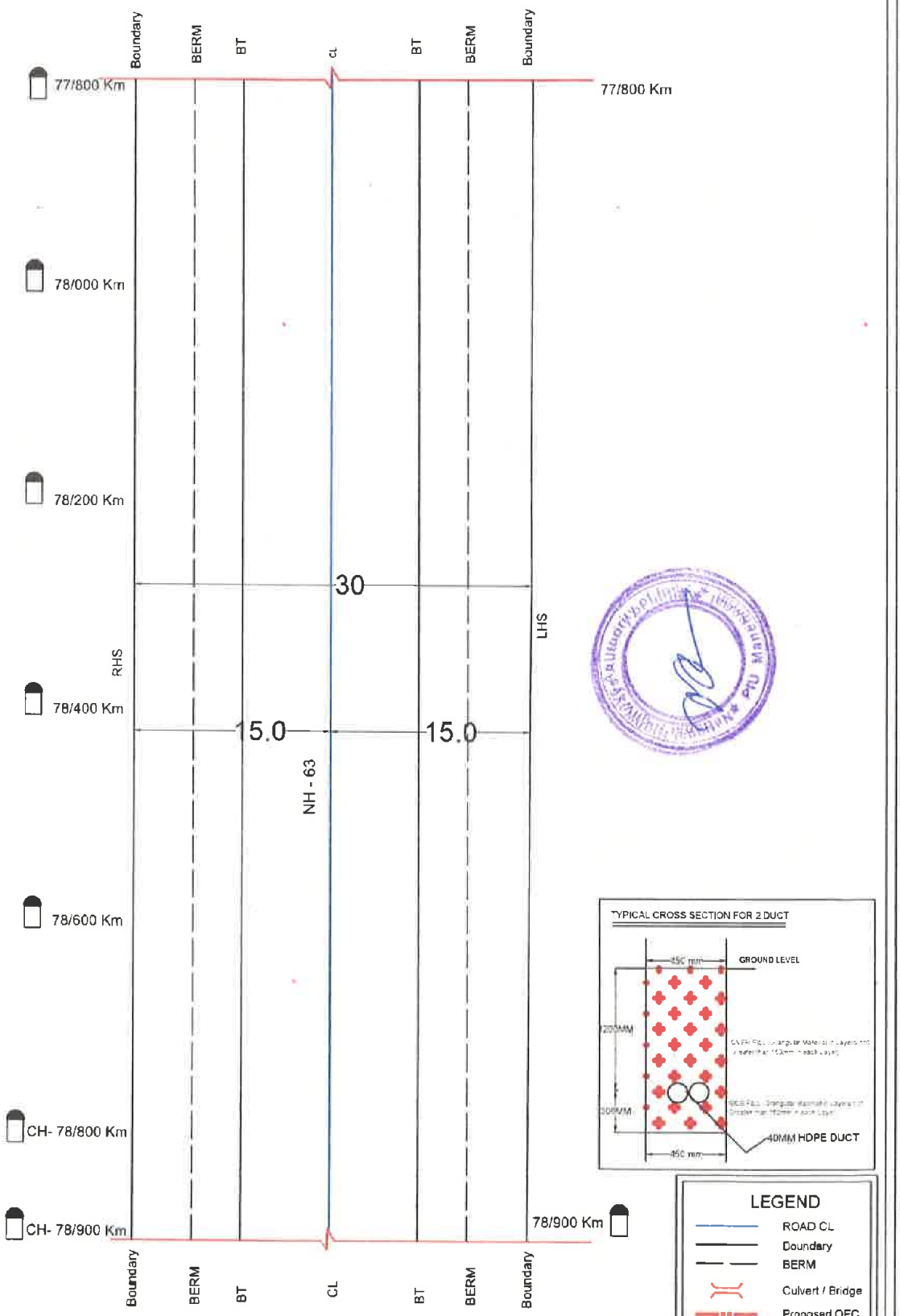
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

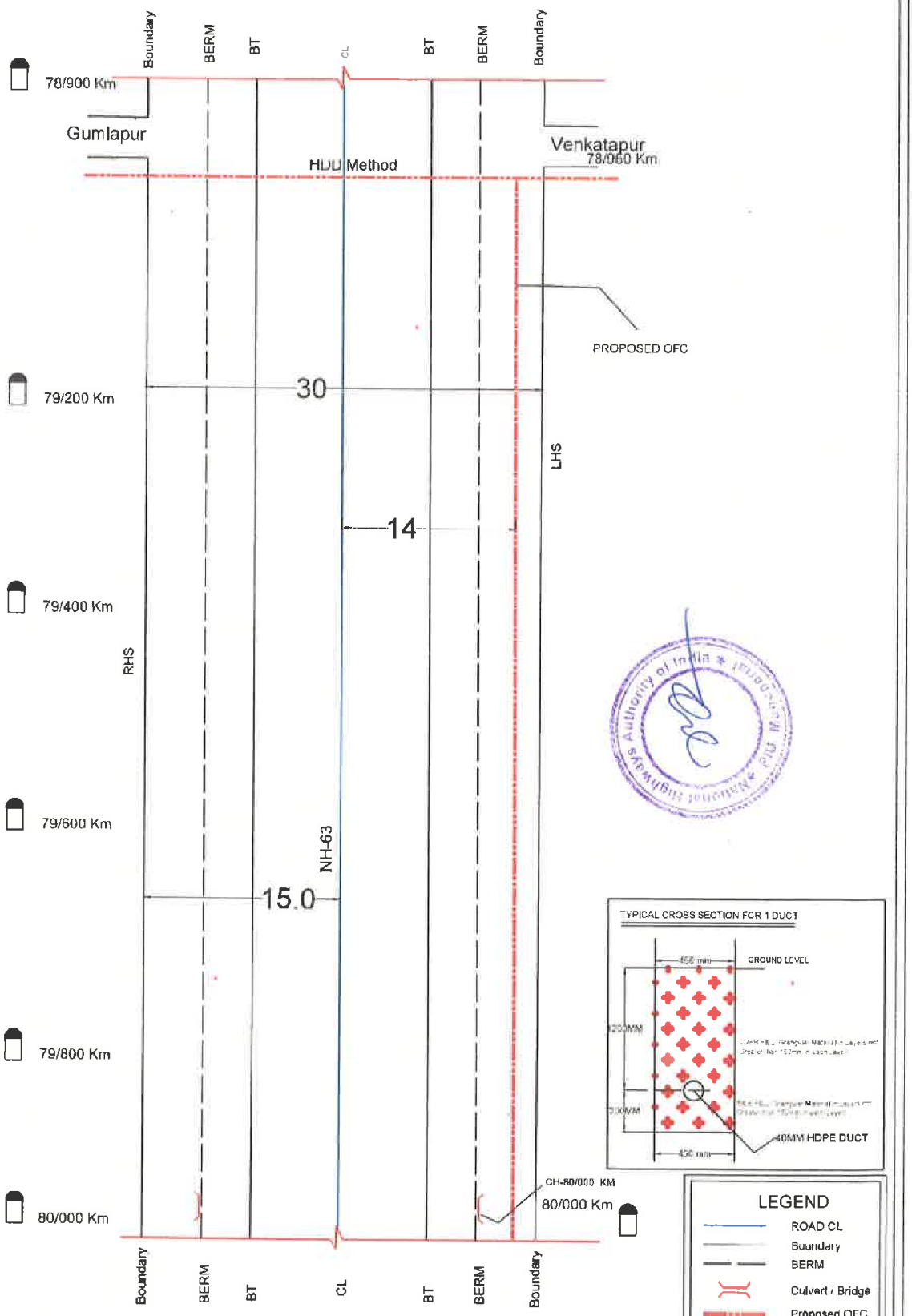
Mandal KORUTLA- NH- 63 - 77/800 to 78/900



SECTION LENGTH=1100M

All Dimensions are in Meters

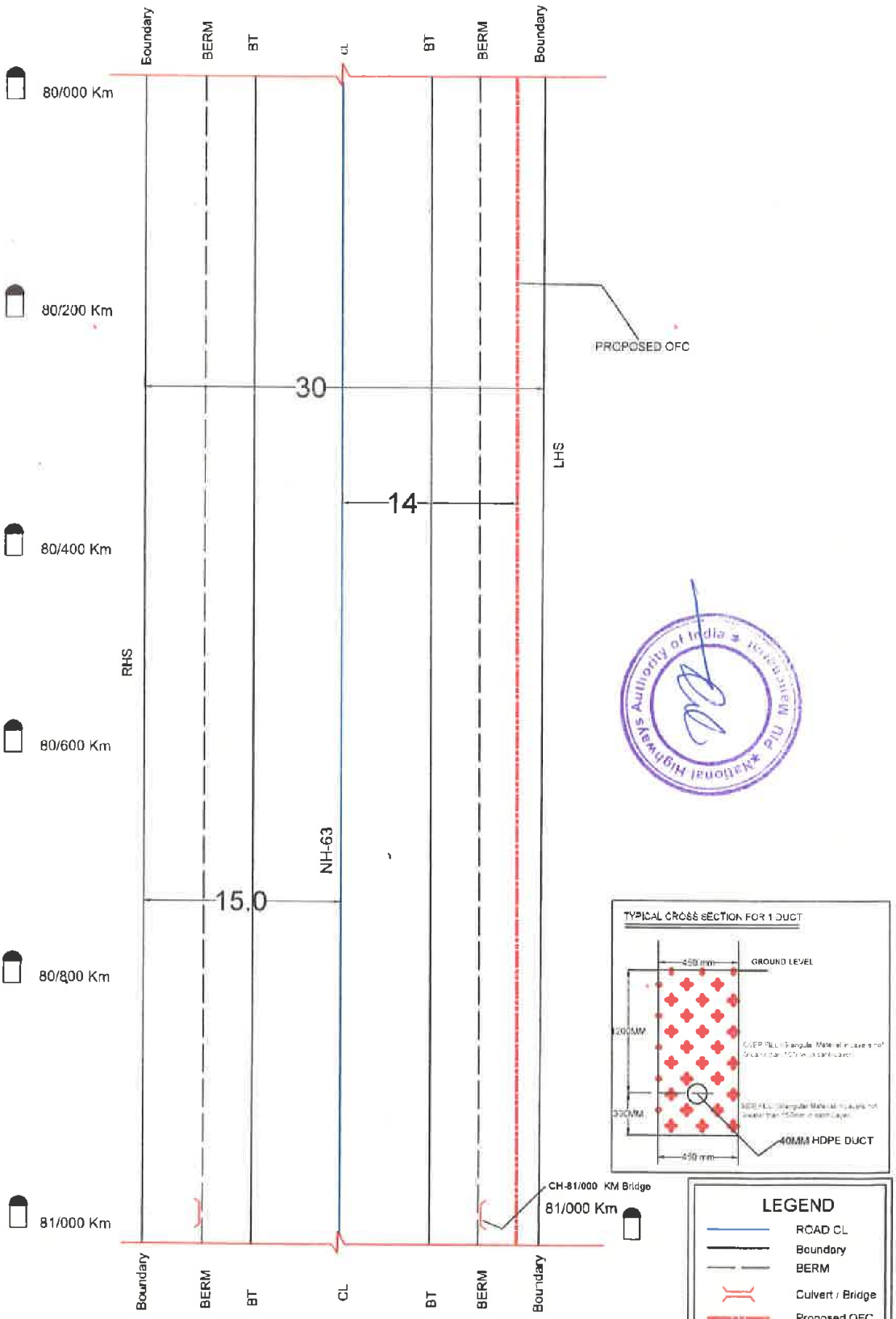
Mandal KORUTLA- NH 63 - 78/900 to 80/000



SECTION LENGTH=1100M

All Dimensions are in Meters

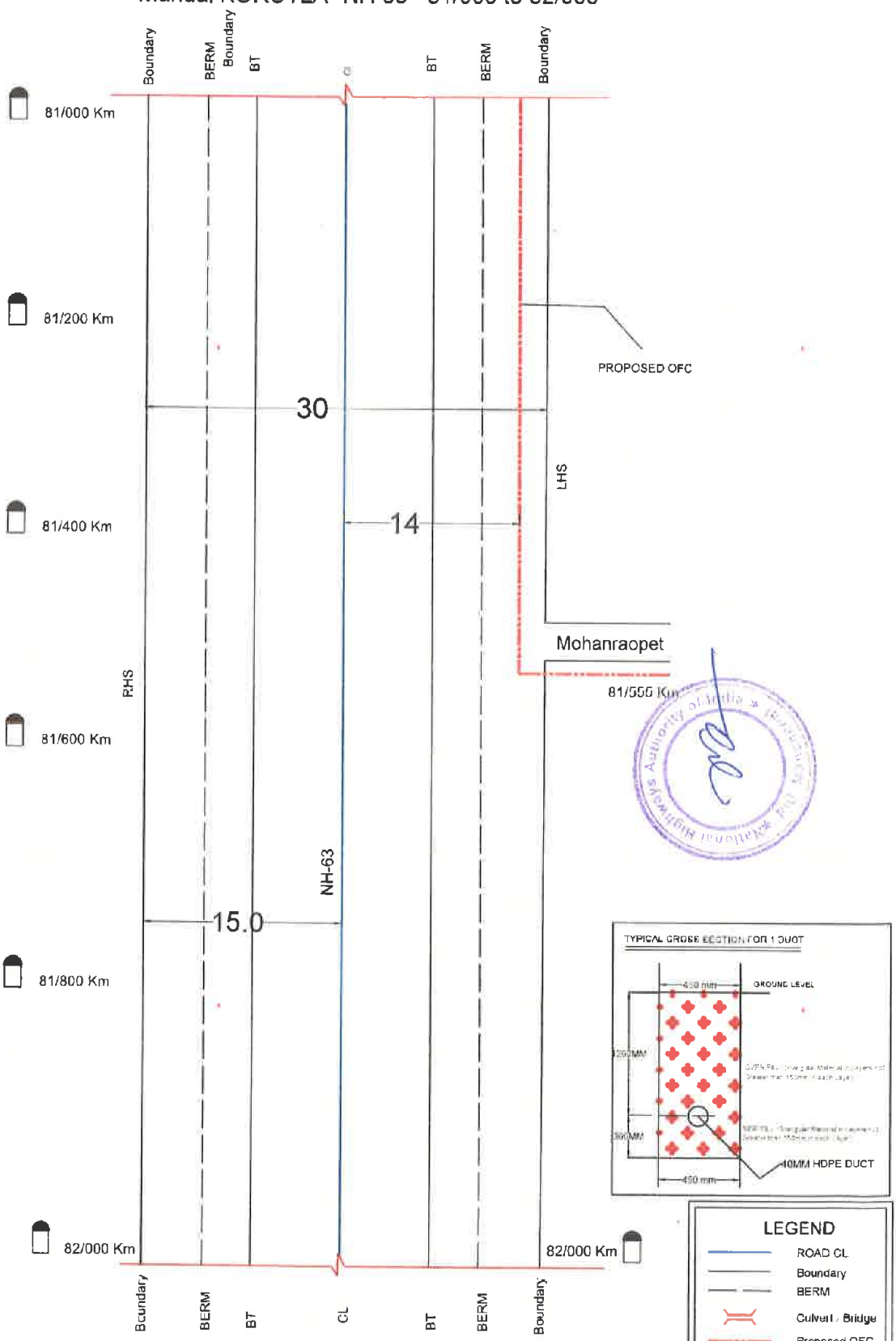
Mandal KORUTLA- NH 63 - 80/000 to 81/000



SECTION LENGTH=1000M

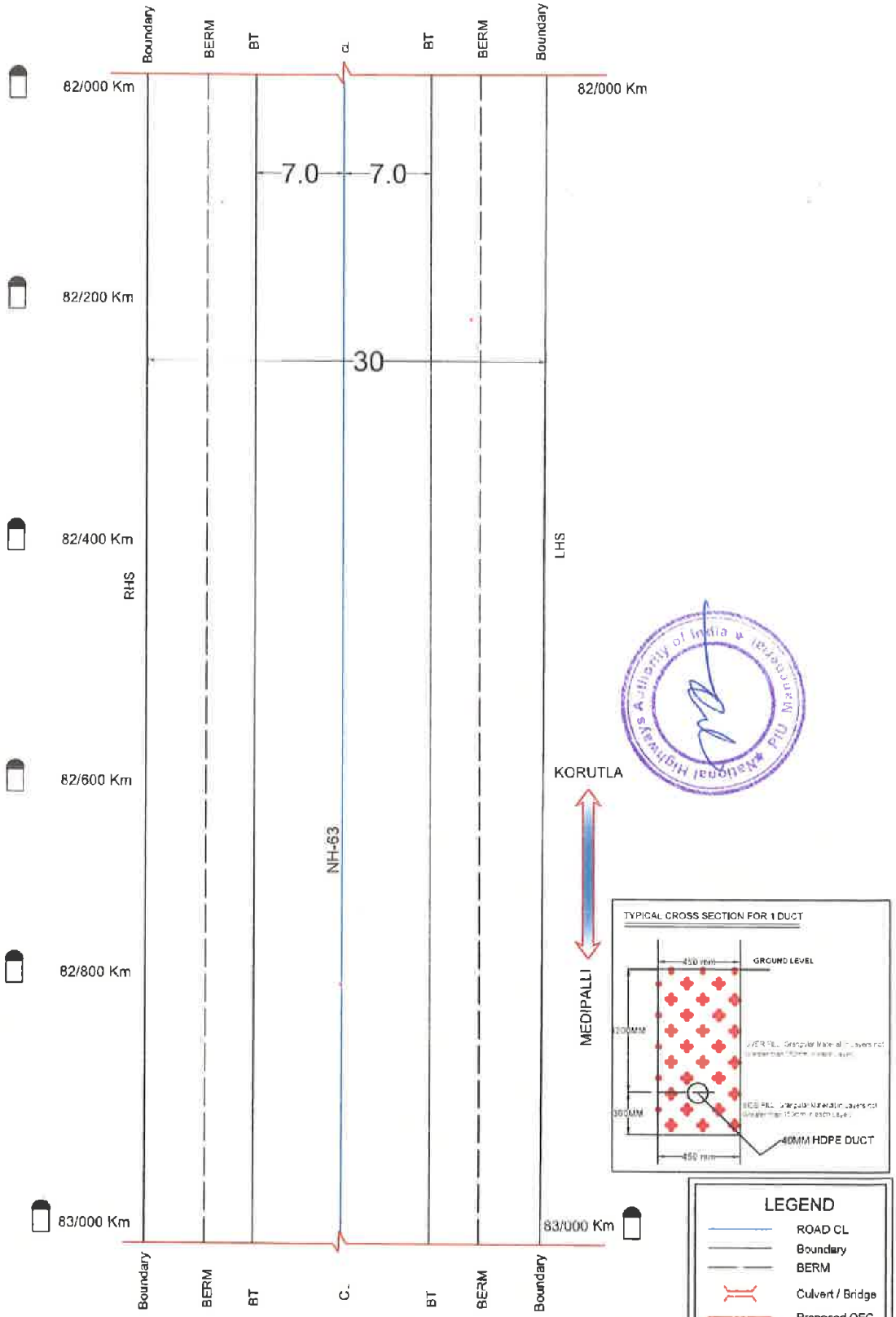
All Dimensions are in Meters

Mandal KORUTLA- NH 63 - 81/000 to 82/000



SECTION LENGTH=1000M

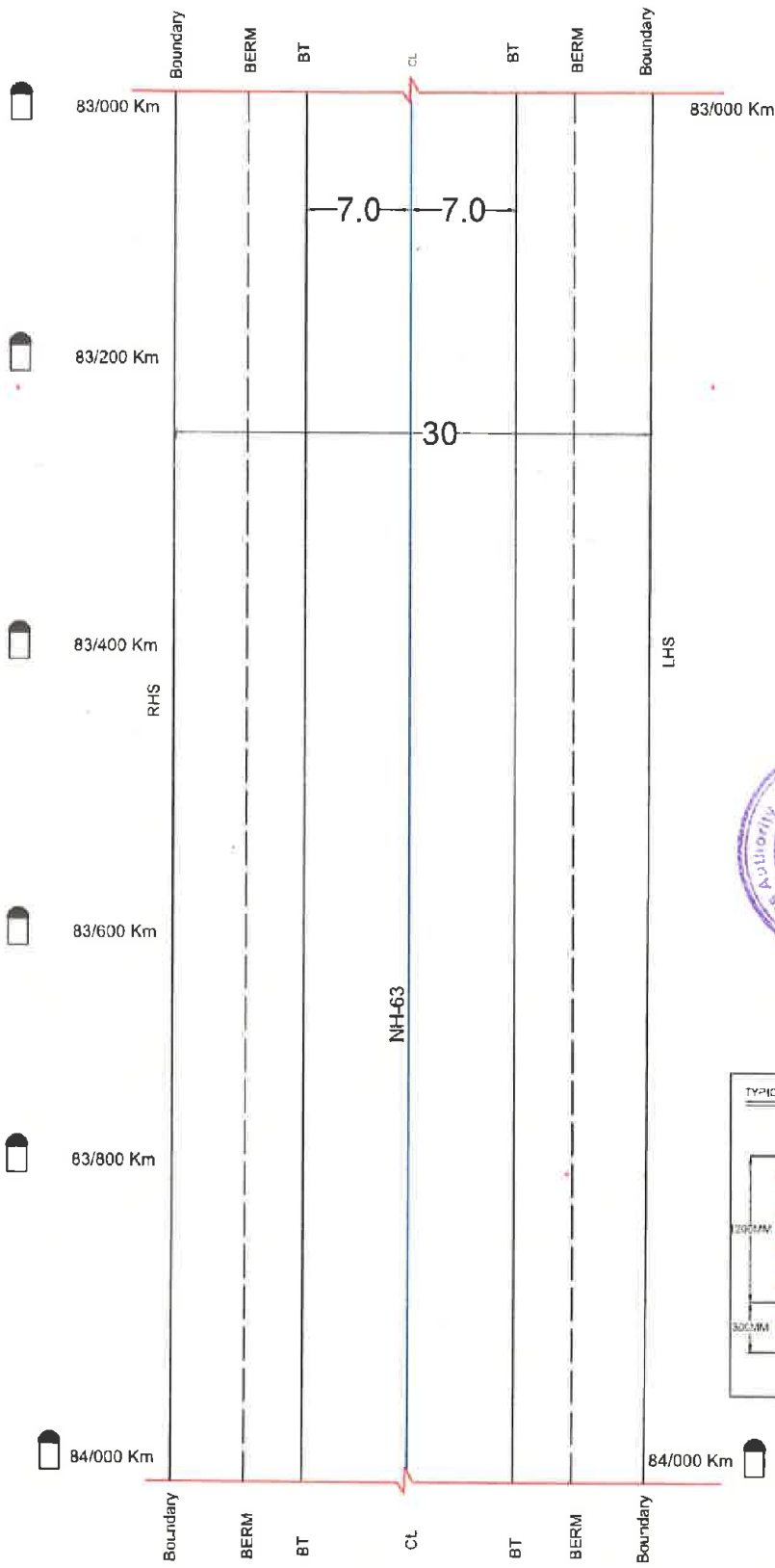
Mandal KORUTLA- NH 63 - 82/000 to 83/000

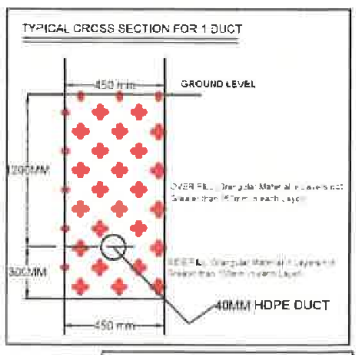


SECTION LENGTH=1000 M

All Dimensions are in Meters

Mandal MEDIPALLI- NH 63 - 83/000 to 84/000





LEGEND

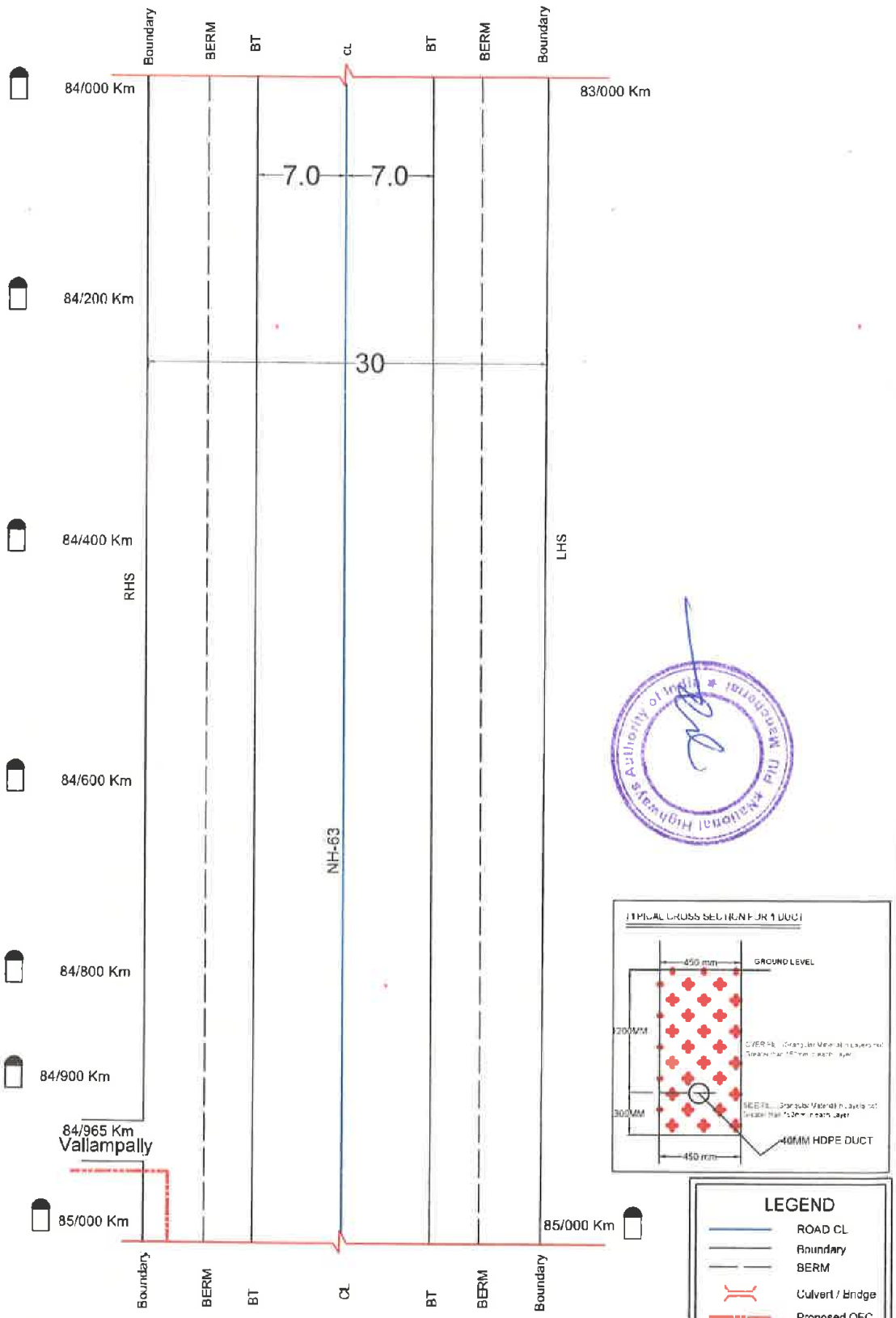
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=1000 M

All Dimensions are in Meters

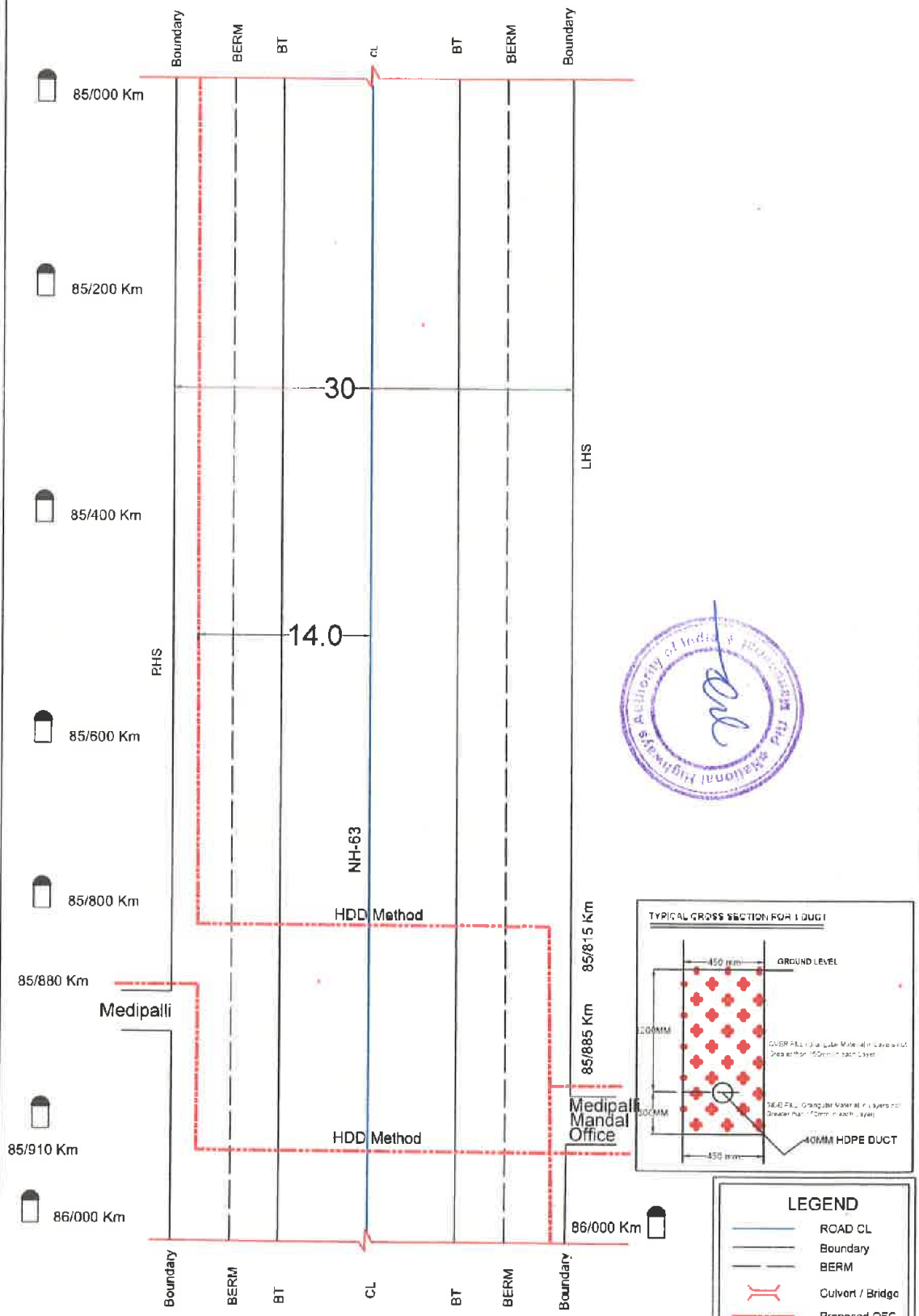
Mandal MEDIPALLI- NH 63 - 84/000 to 85/000



SECTION LENGTH=1000 M

All Dimensions are in Meters

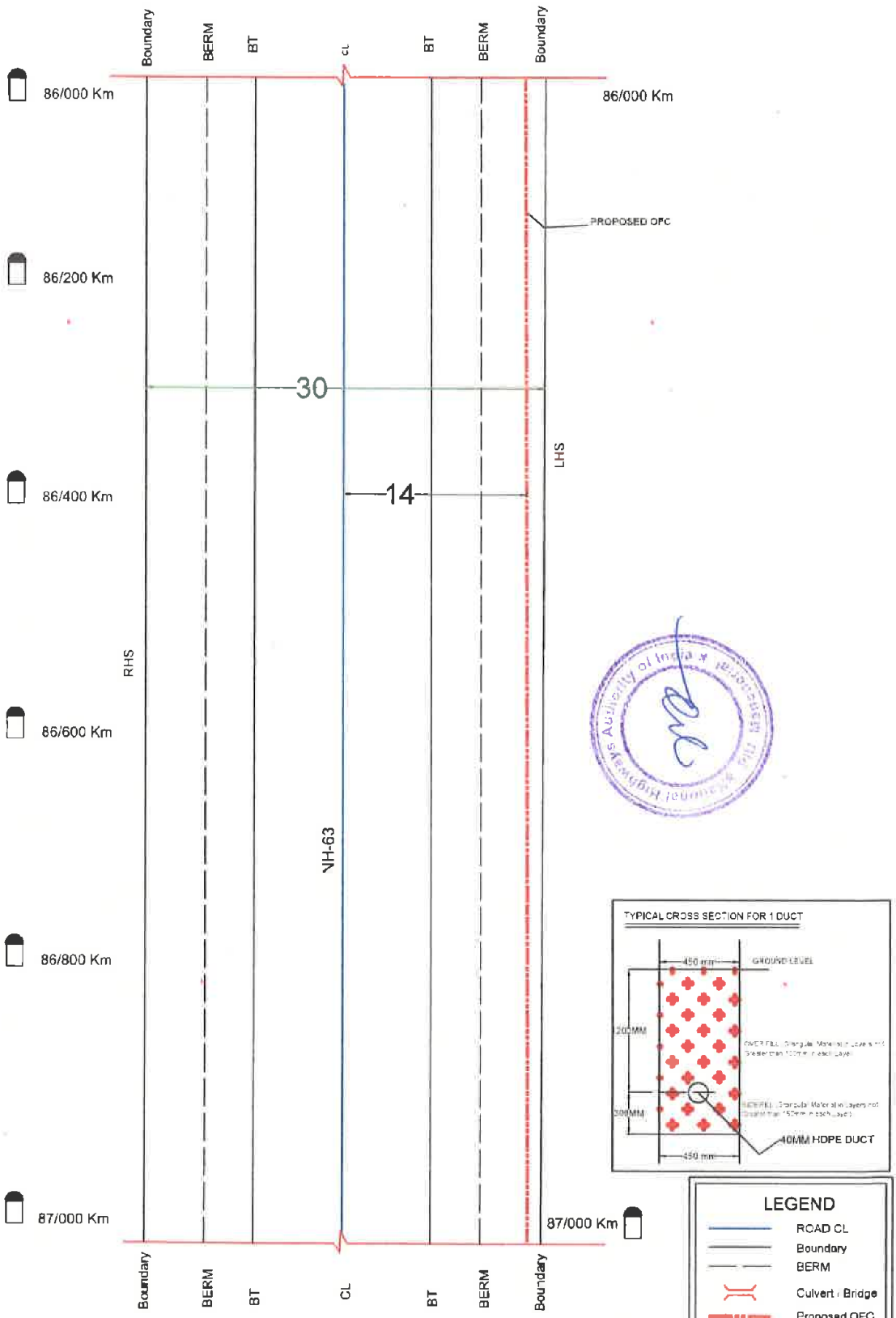
Mandal MEDIPALLI- NH 63 - 85/000 to 86/000



SECTION LENGTH=1000M

All Dimensions are in Meters

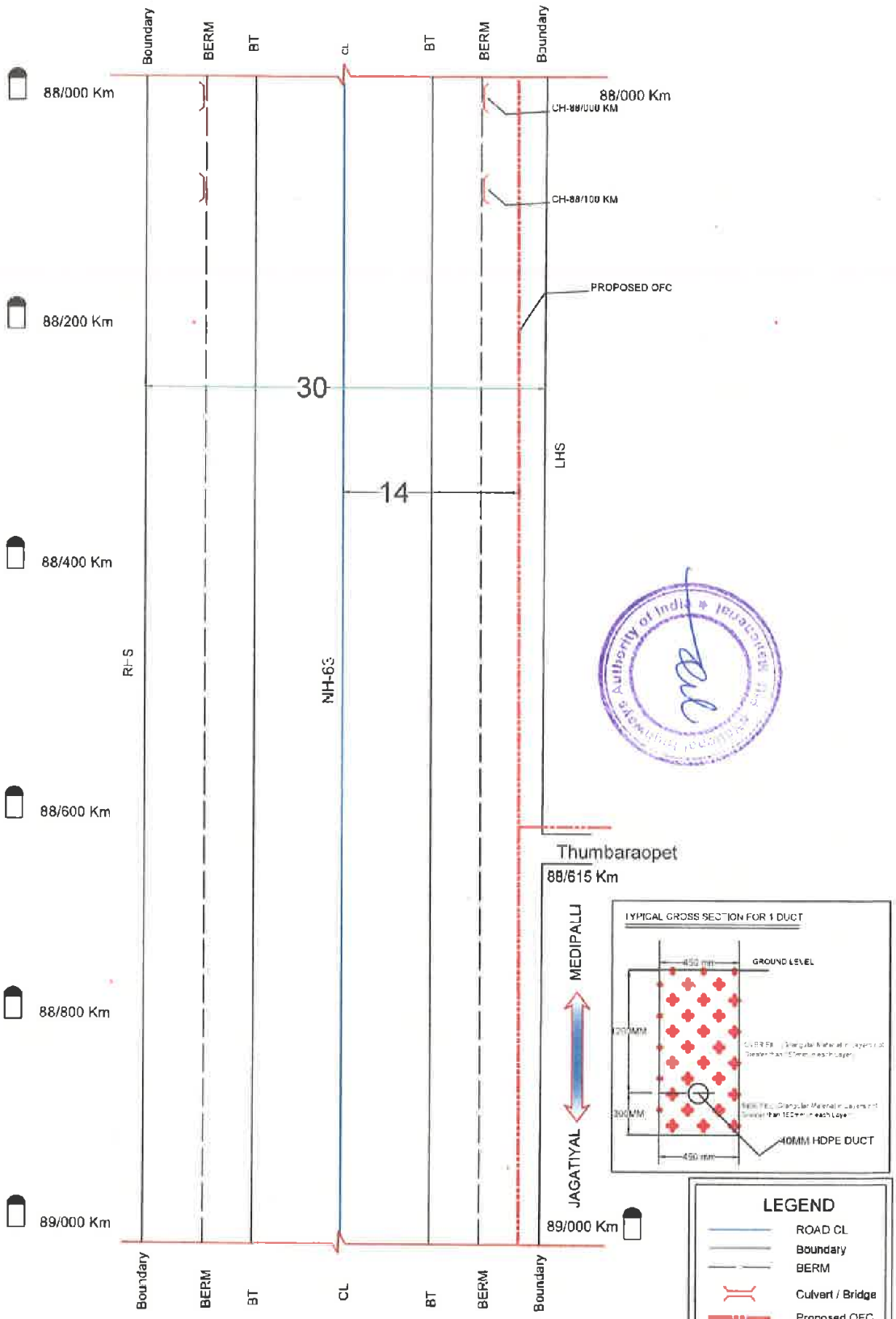
Mandal MEDIPALLI- NH 63 - 86/000 to 87/000



SECTION LENGTH=1000M

All Dimensions are in Meters

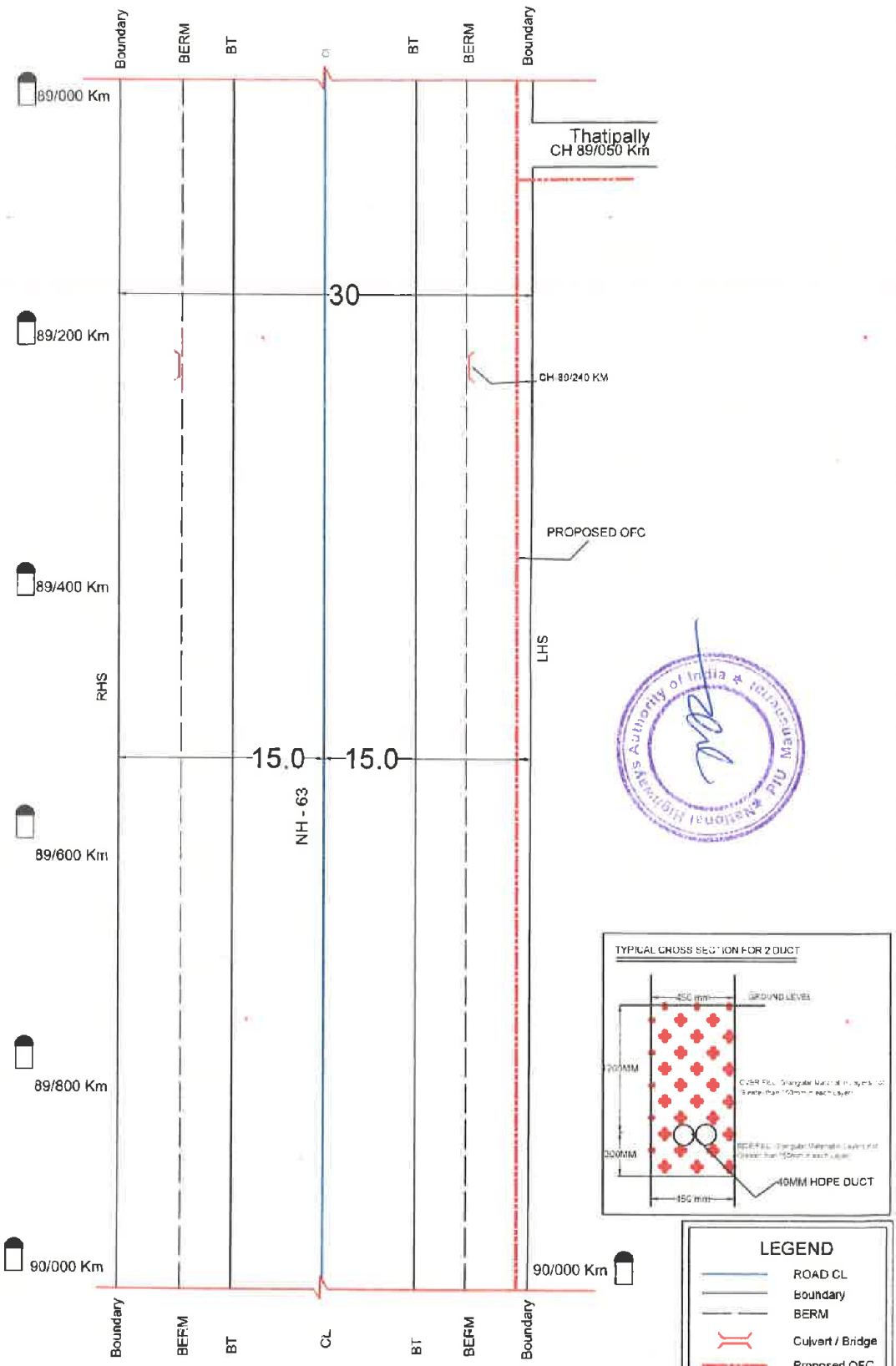
Mandal MEDIPALLI- NH 63 - 88/000 to 89/000



SECTION LENGTH=500M

All Dimensions are in Meters

Mandal JAGATIYAL- NH- 63 - 89/000 to 90/000



LEGEND

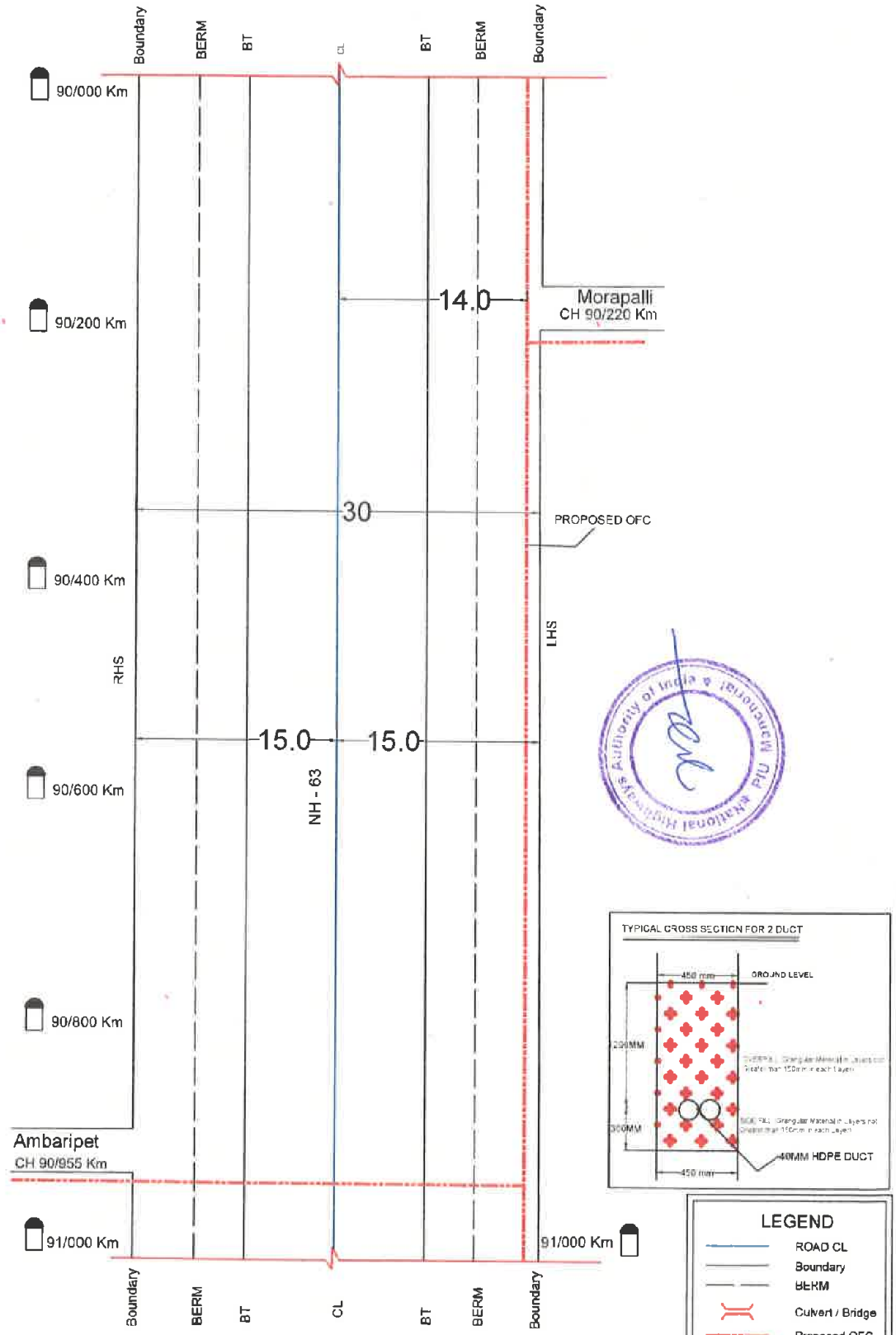
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

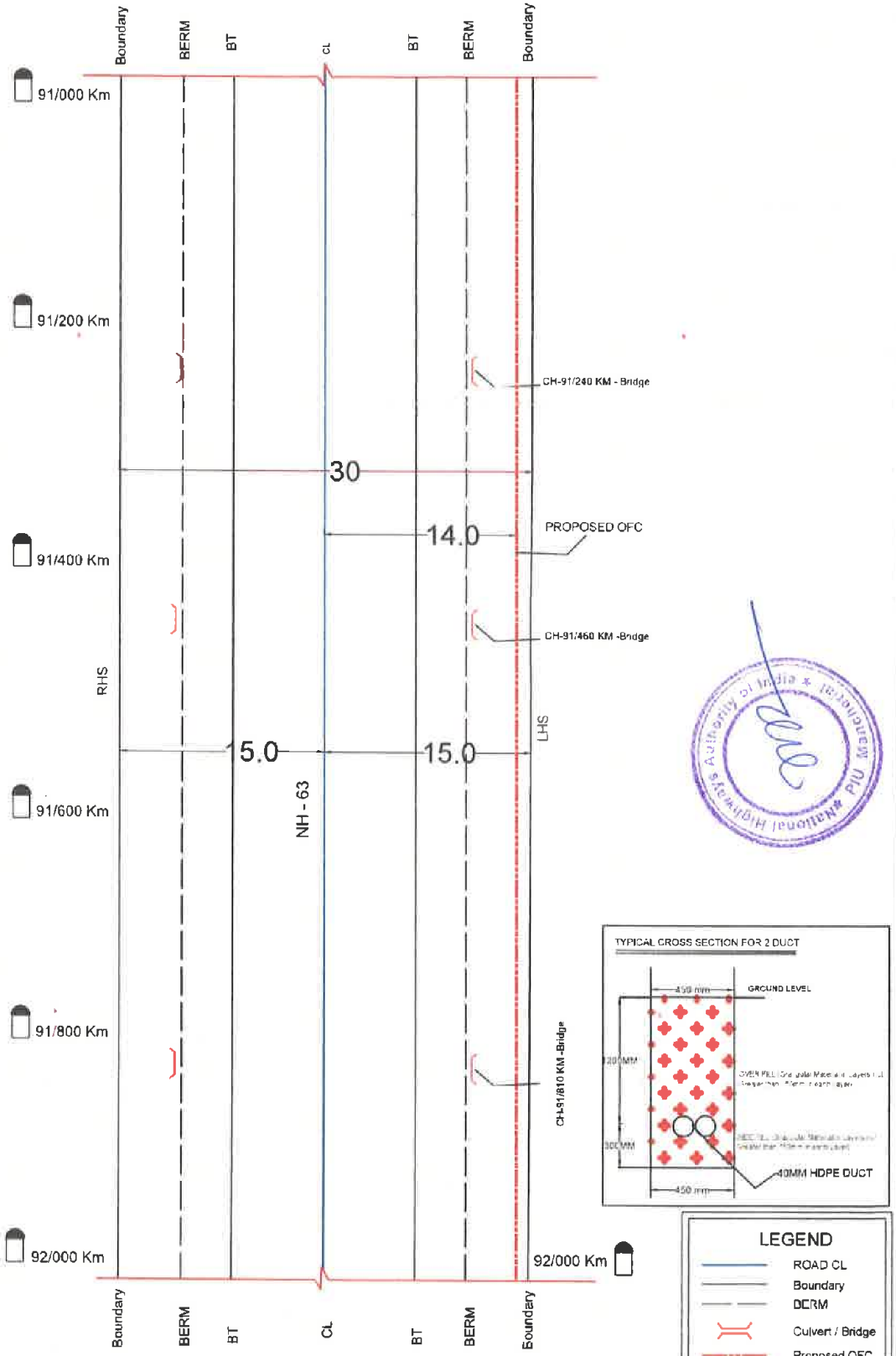
SECTION LENGTH=1000 M

All Dimensions are in Meters

Mandal JAGATIYAL- NH- 63 - 90/000 to 91/000



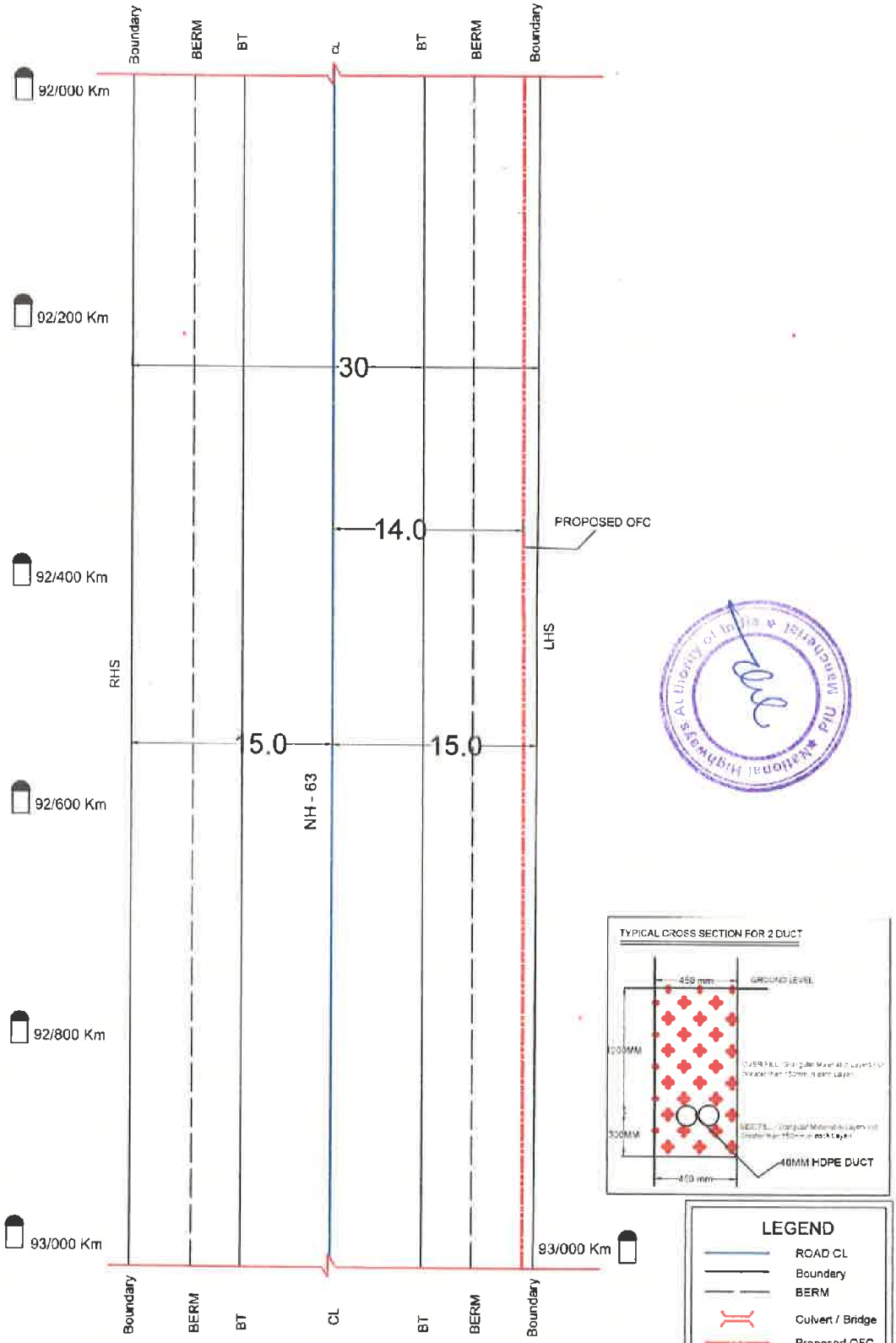
Mandal JAGATIYAL-NH- 63 - 91/000 to 92/000



SECTION LENGTH=1000 M

All Dimensions are in Meters

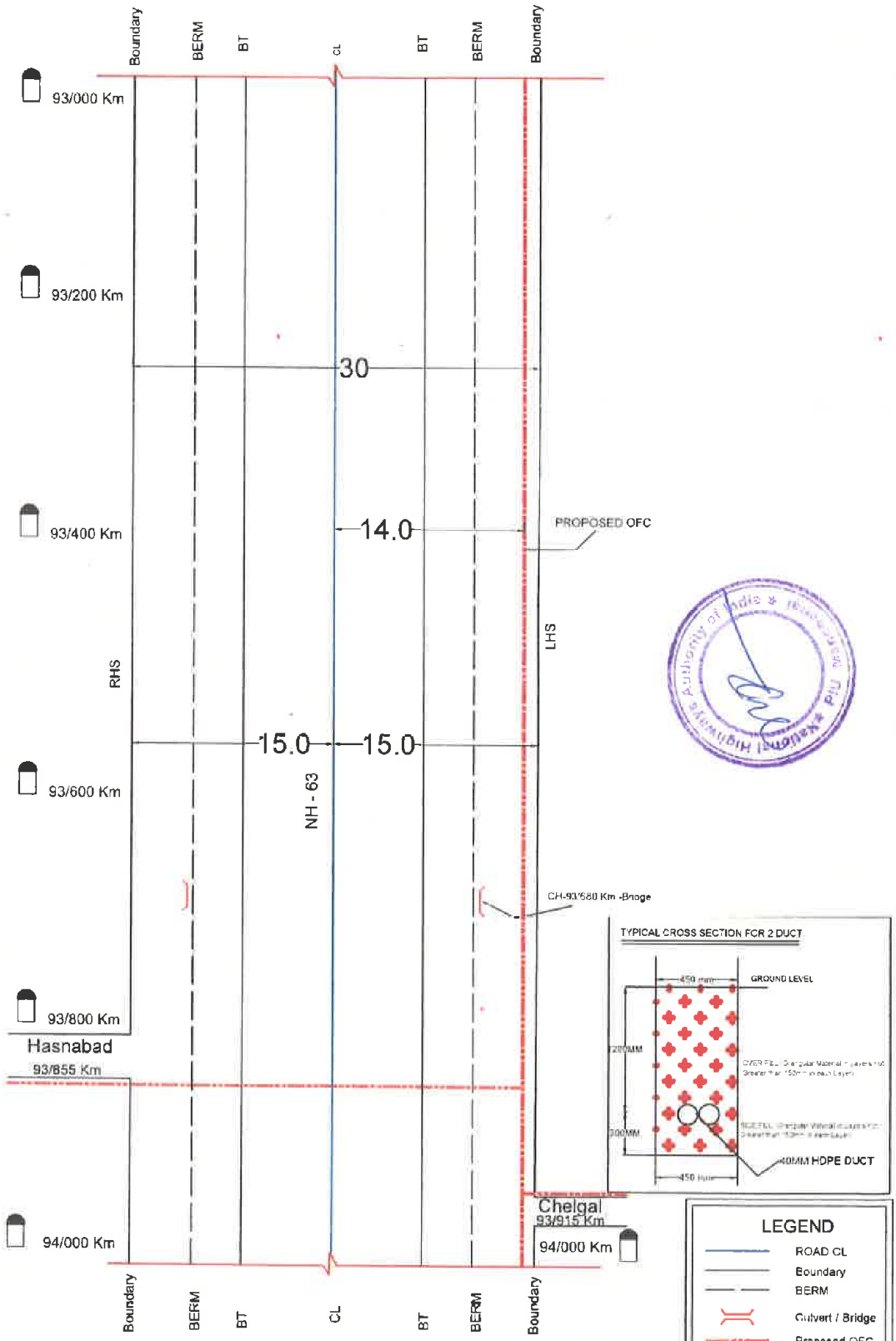
Mandal JAGATIYAL-NH- 63 - 92/000 to 93/000



SECTION LENGTH=1000 M

All Dimensions are in Meters

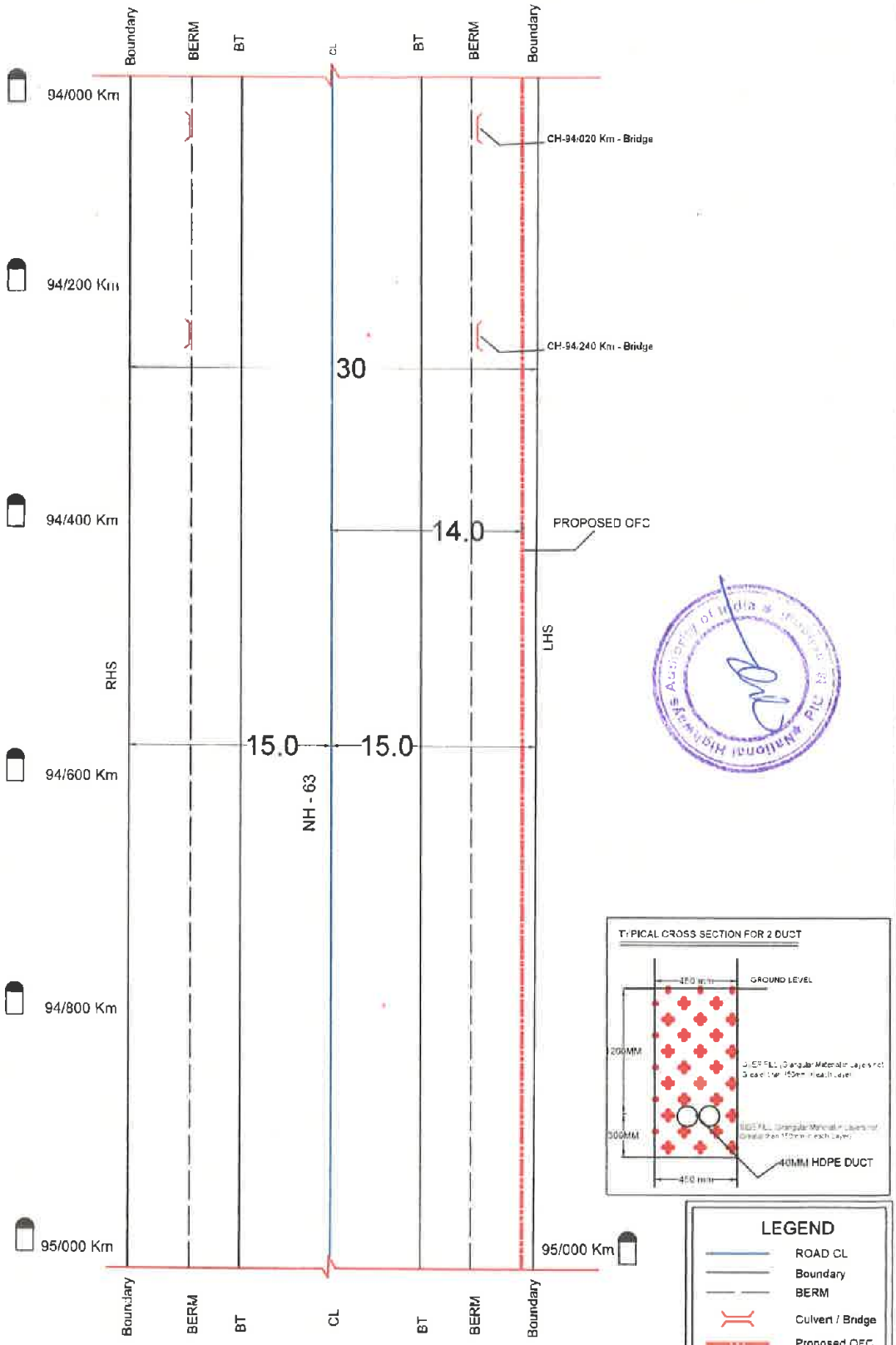
Mandal JAGATIYAL-NH- 63 - 93/000 to 94/000



SECTION LENGTH=1000 M

All Dimensions are in Meters

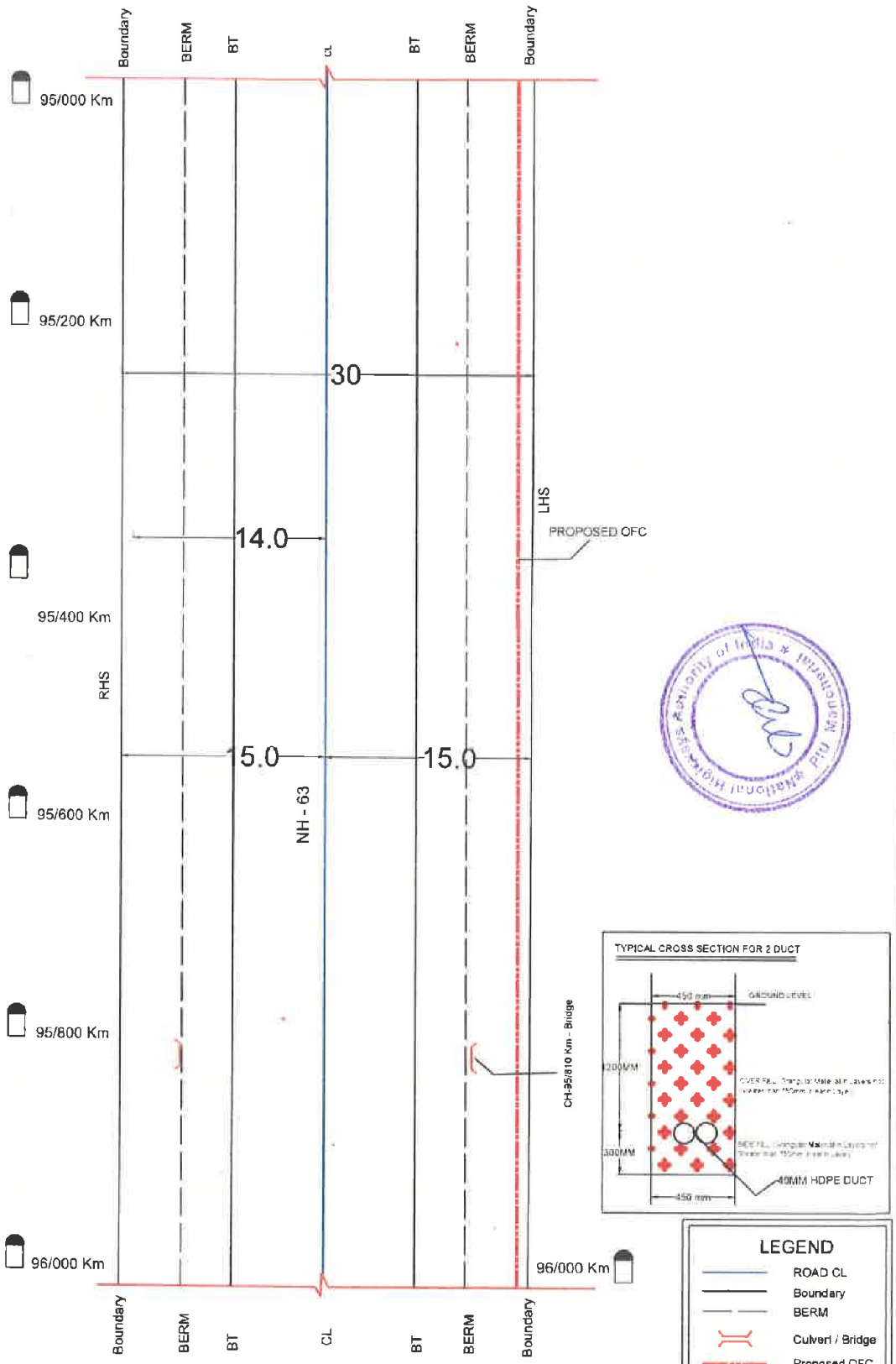
Mandal JAGATIYAL-NH- 63 - 94/000 to 95/000



SECTION LENGTH=1000 M

All Dimensions are in Meters

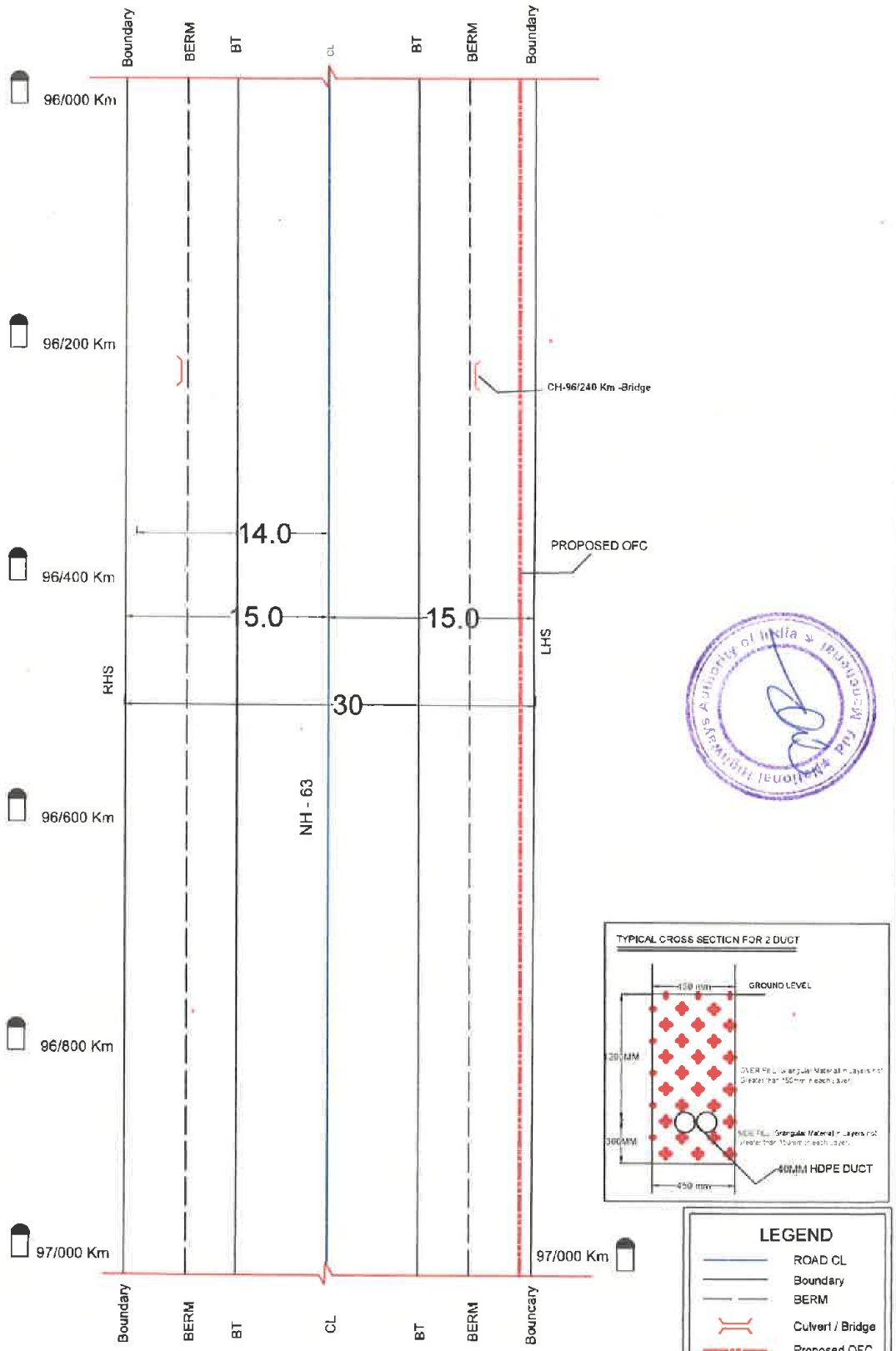
Mandal JAGATIYAL- NH- 63 - 95/000 to 96/000



SECTION LENGTH=1000 M

All Dimensions are in Meters

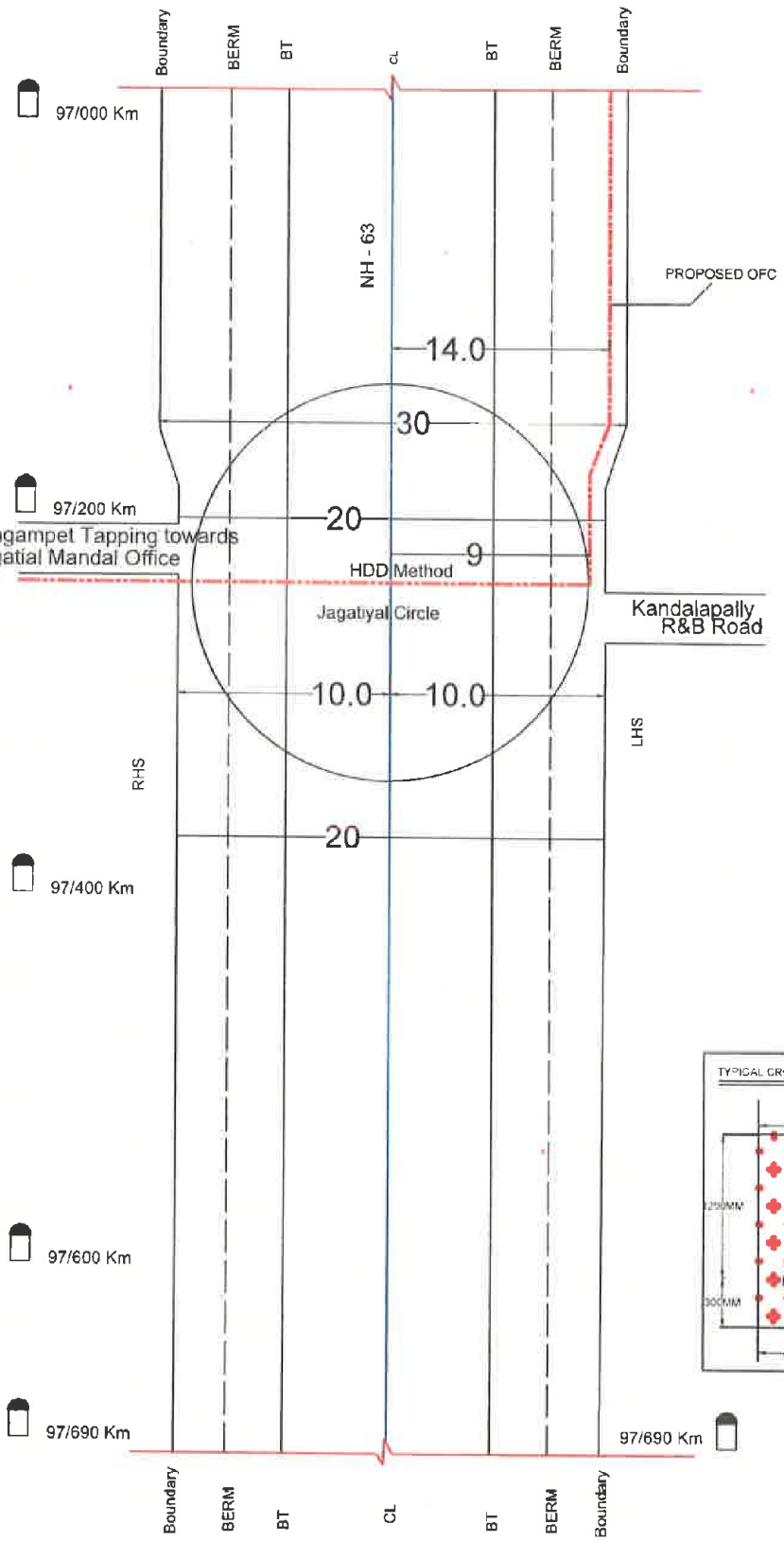
Mandal JAGATIYAL- NH- 63 - 96/000 to 97/000

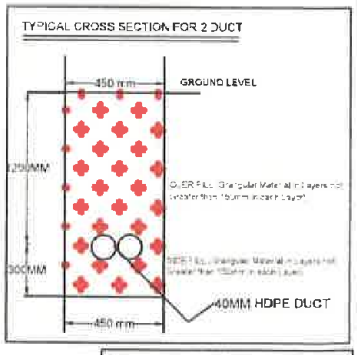


SECTION LENGTH=1000 M

All Dimensions are in Meters

Mandal JAGATIYAL-NH- 63 - 97/000 to 97/690





LEGEND

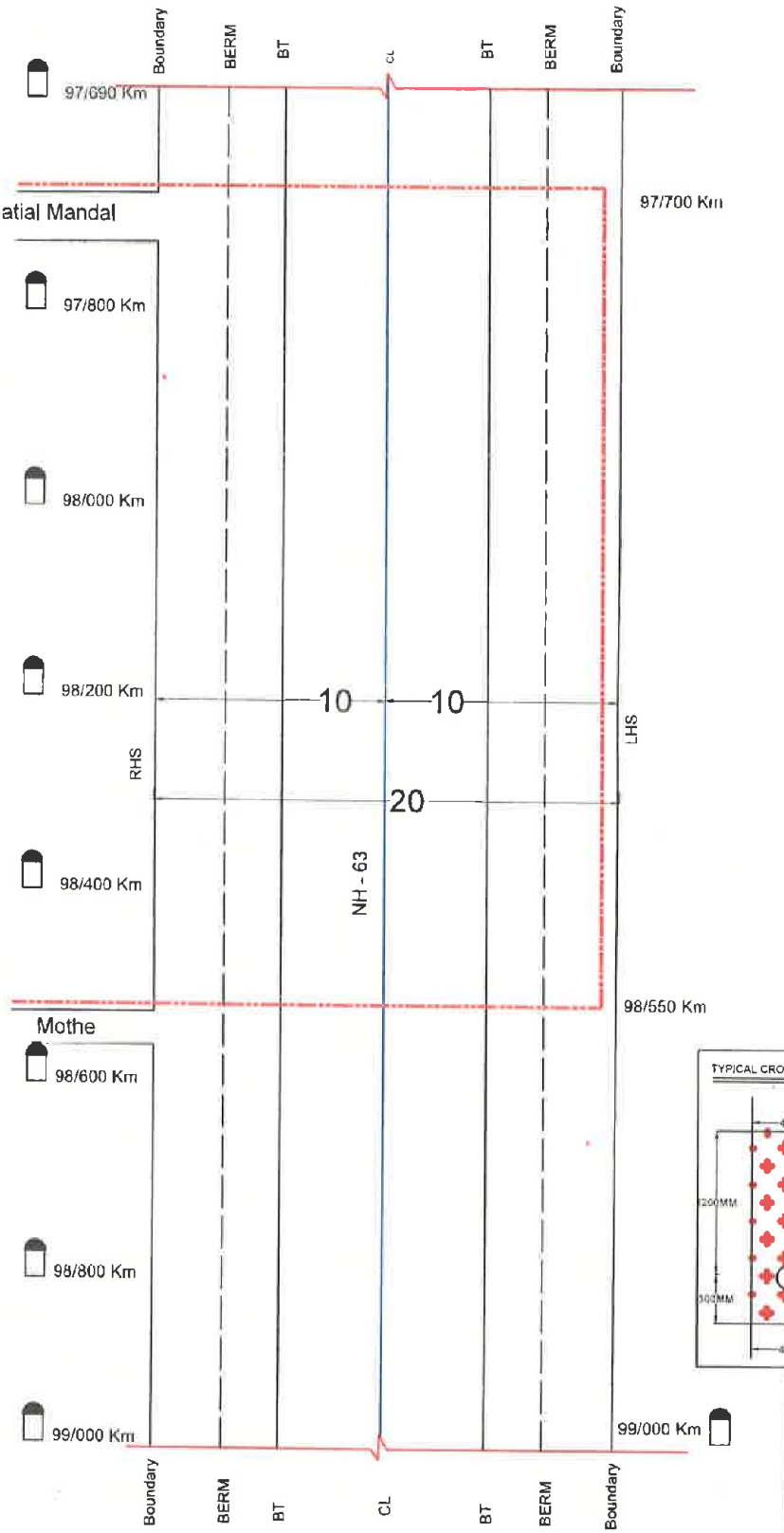
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

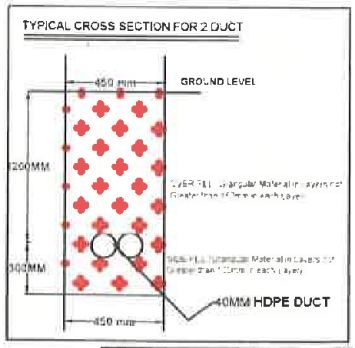
SCALE	NOT TO SCALE

SECTION LENGTH=690 M

All Dimensions are in Meters

Mandal JAGATIYAL-NH- 63 - 97/690 to 99/000





LEGEND

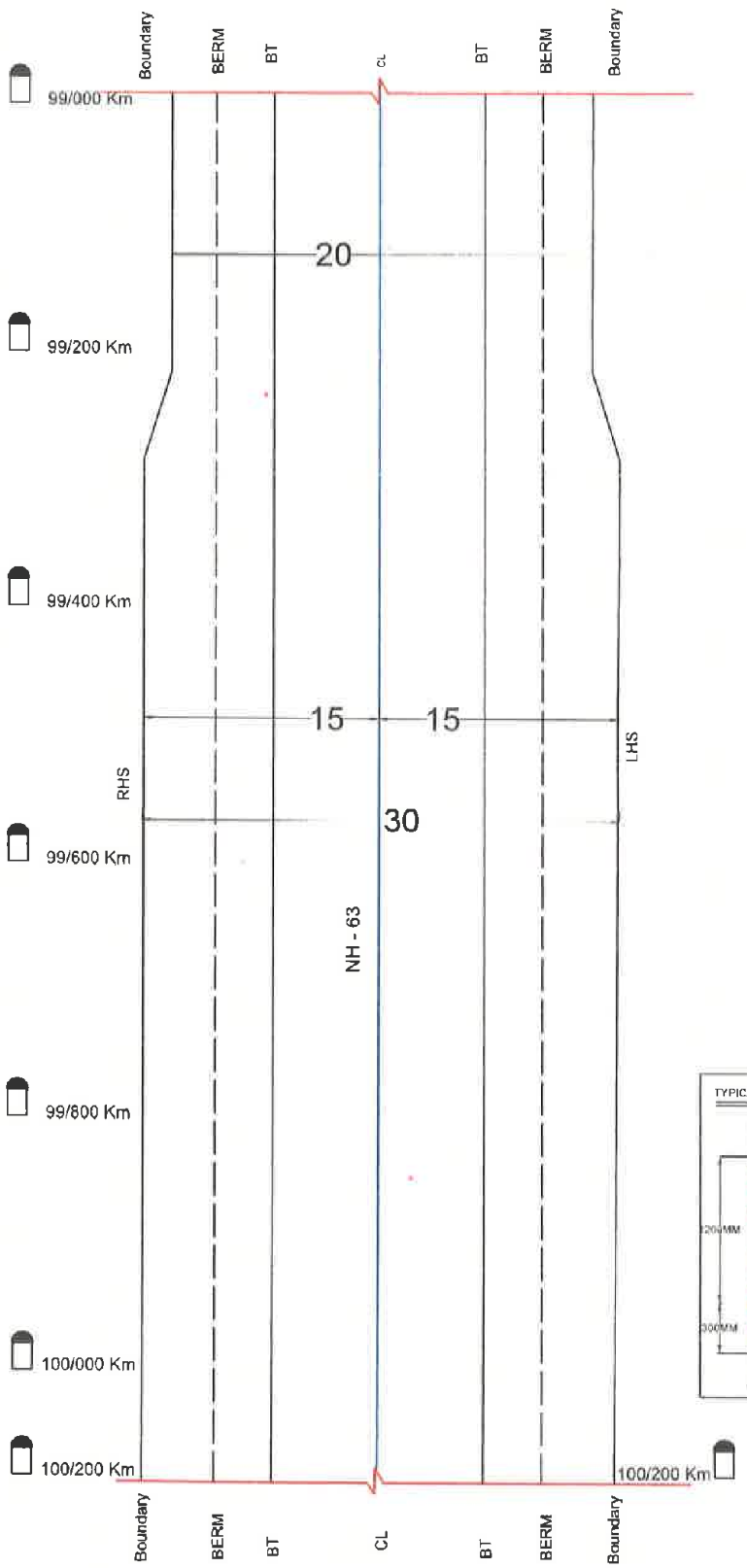
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

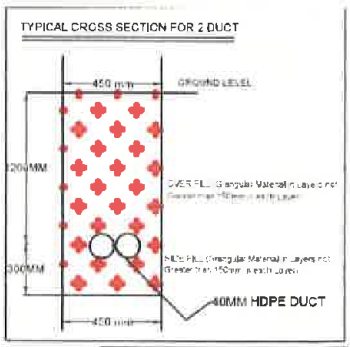
SCALE	NOT TO SCALE

SECTION LENGTH=1310 M

All Dimensions are in Meters

Mandal JAGATIYAL-NH- 63 - 99/000 to 100/200





LEGEND

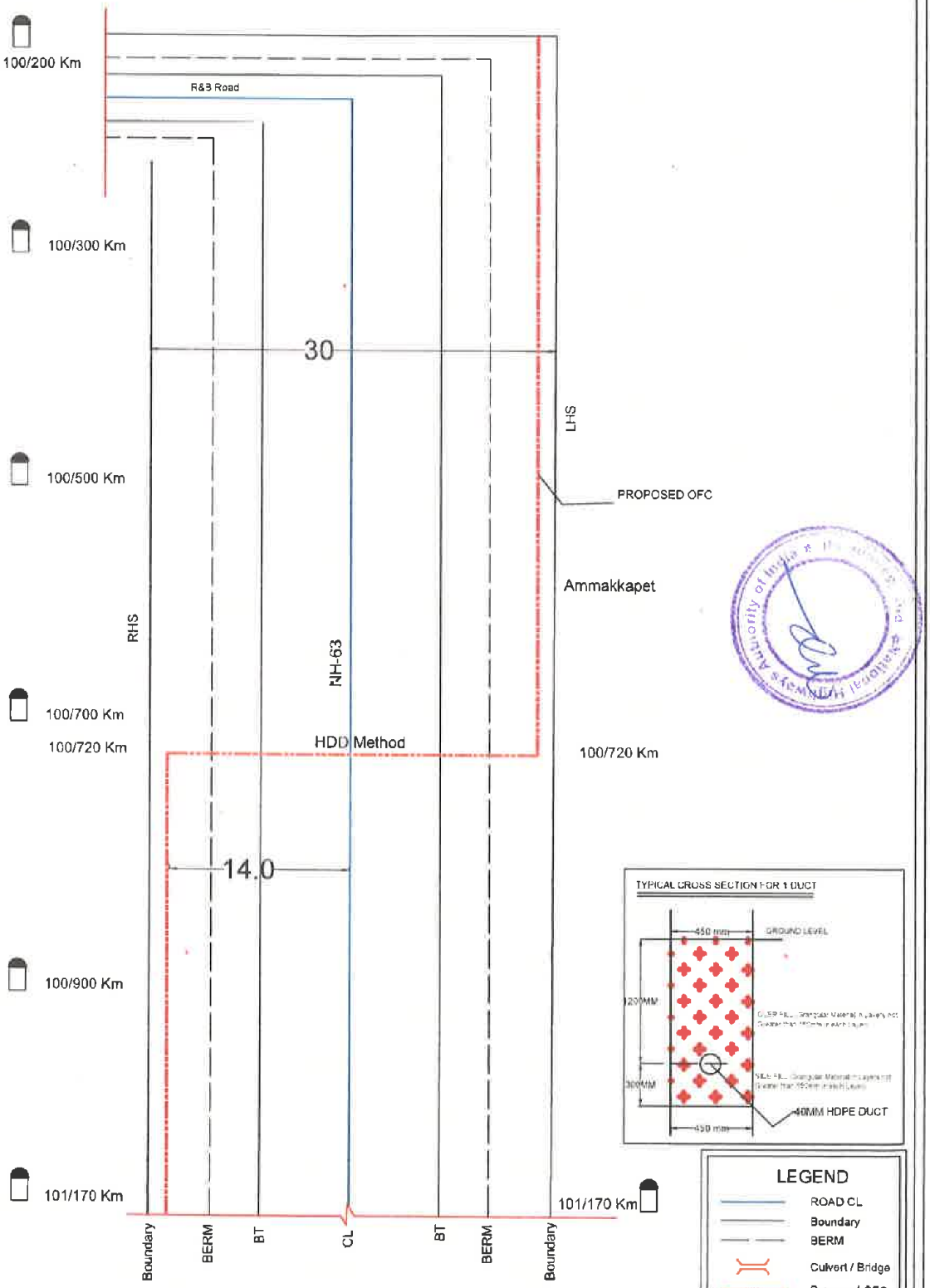
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=1200 M

All Dimensions are in Meters

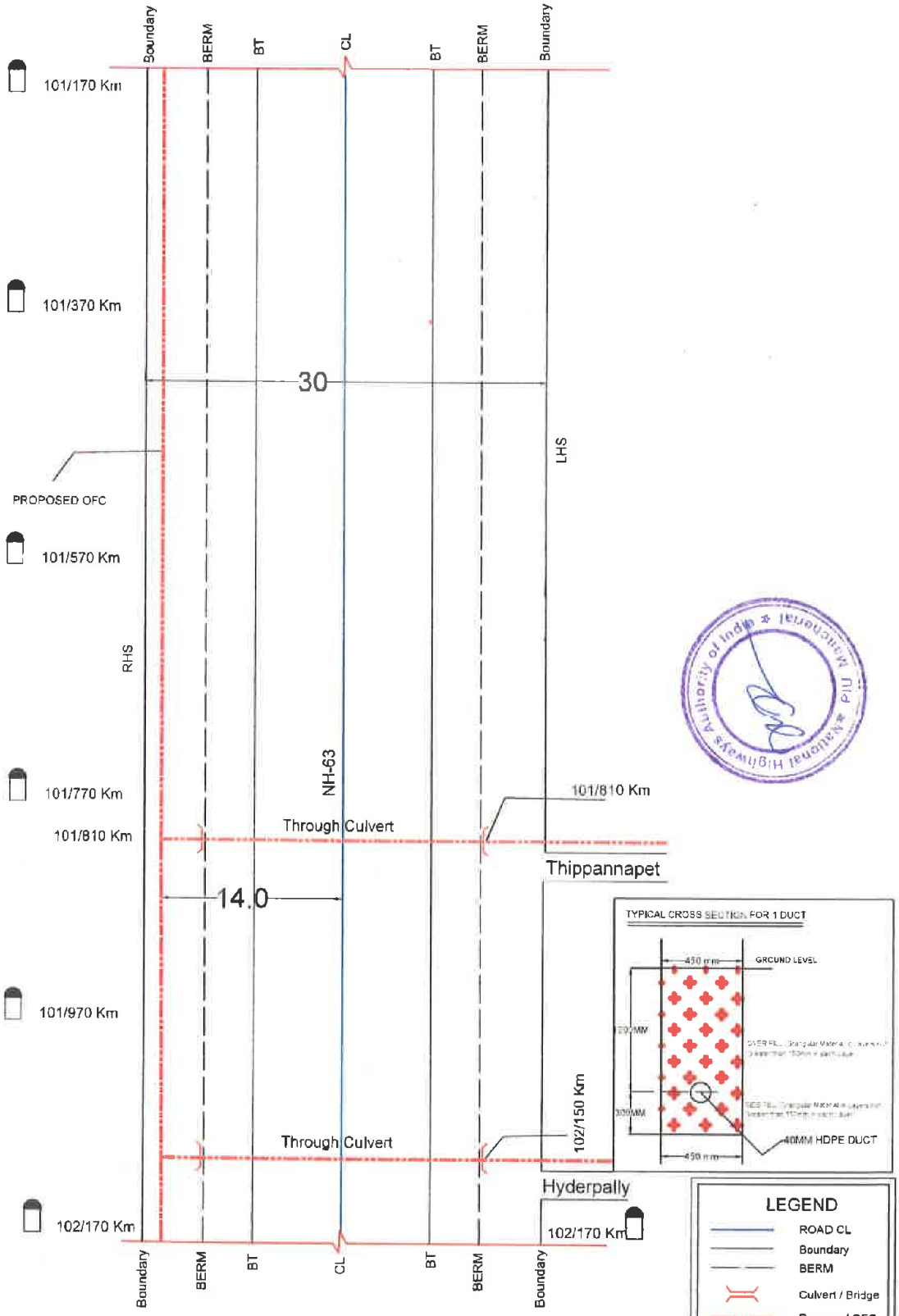
Mandal JAGATIYAL- NH 63 - 100/200 to 101/170



SECTION LENGTH=970M

All Dimensions are in Meters

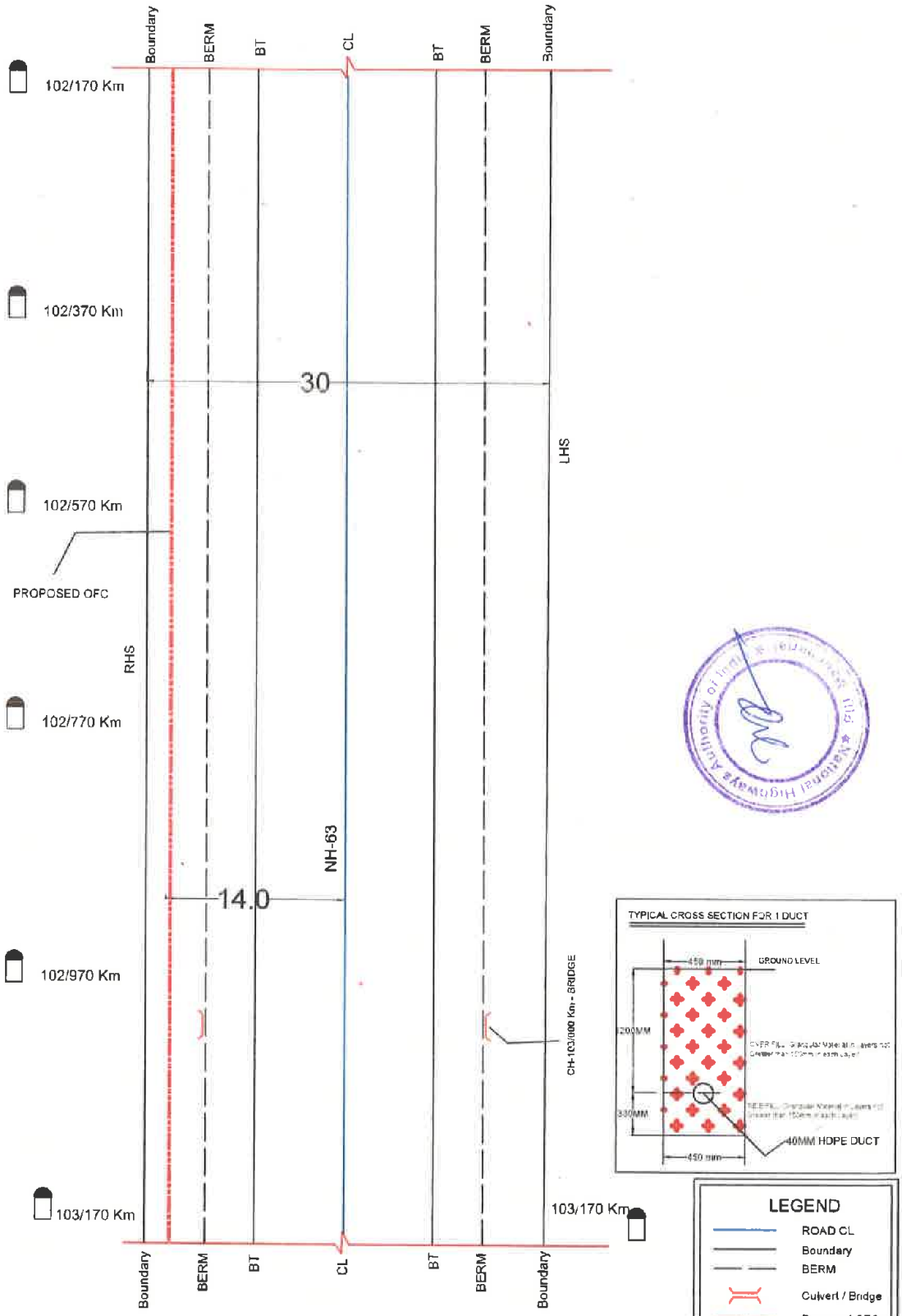
Mandal JAGATIYAL- NH 63 - 101/170 to 102/170



SECTION LENGTH=1000M

All Dimensions are in Meters

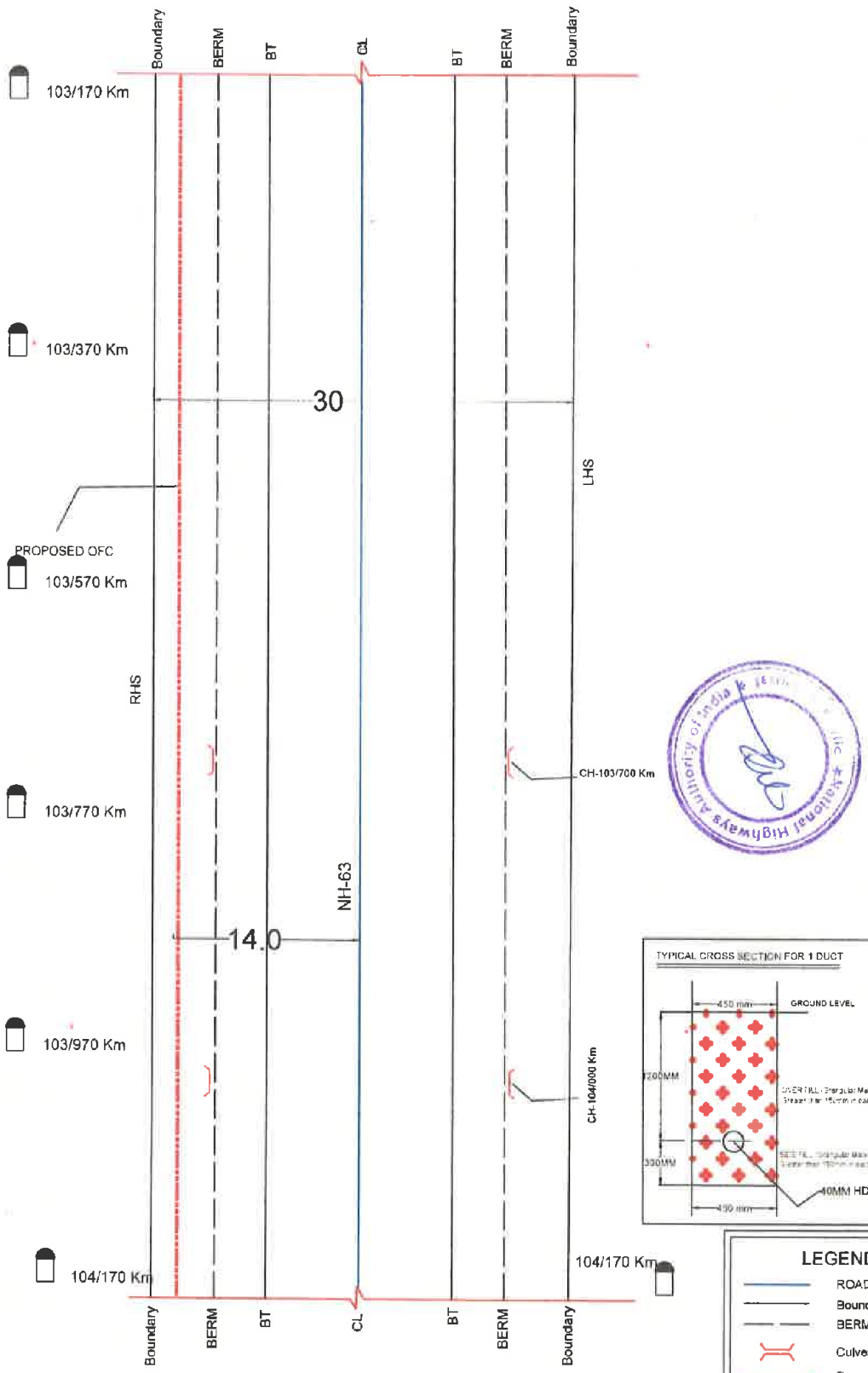
Mandal JAGATIYAL- NH 63 - 102/170 to 103/170

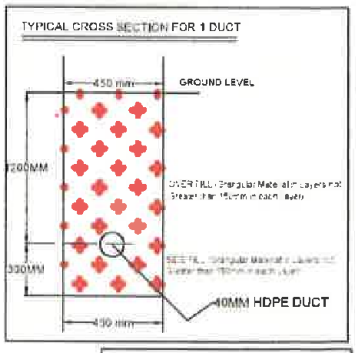


SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal JAGATIYAL- NH 63 - 103/170 to 104/170





LEGEND

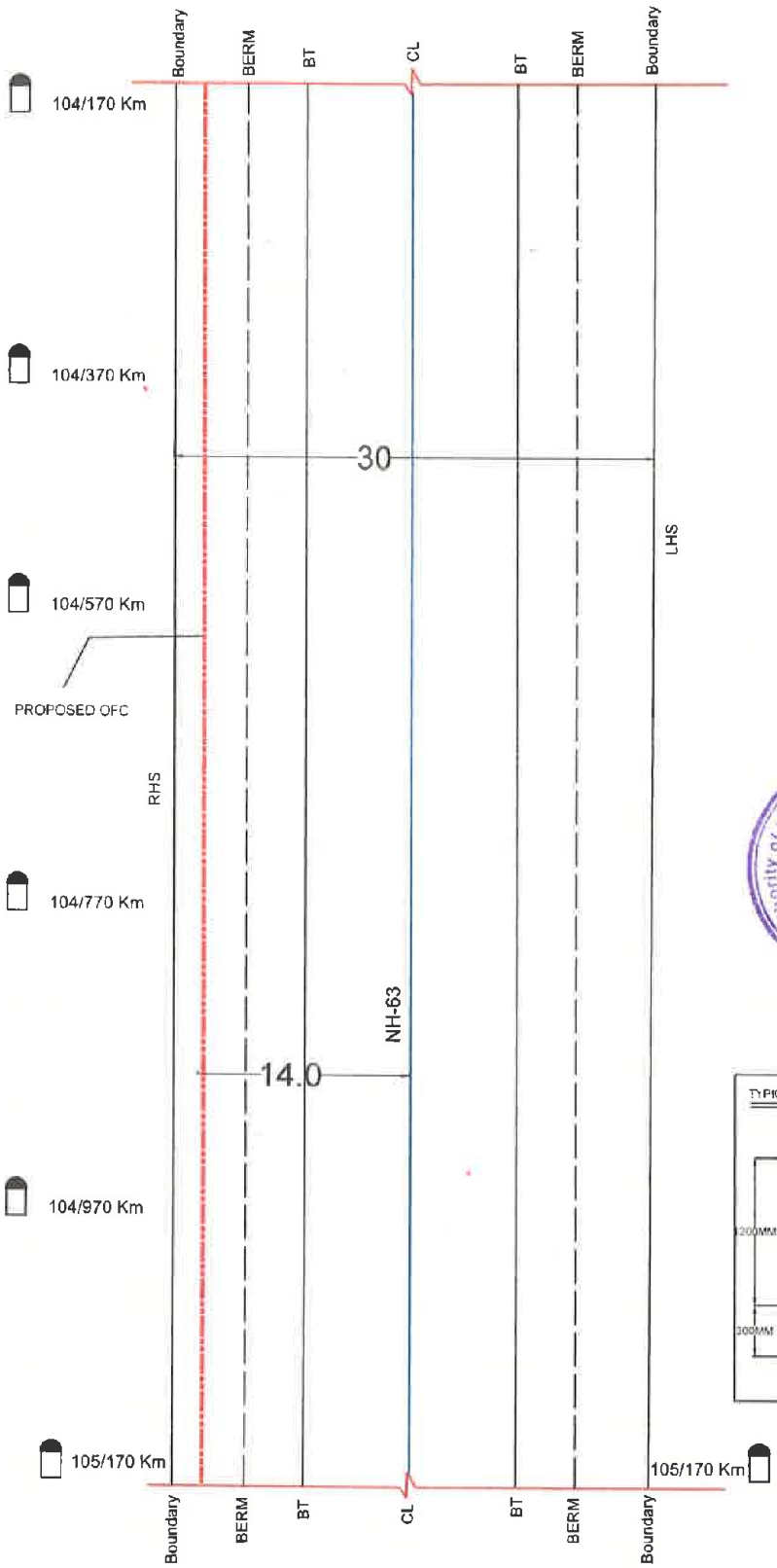
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

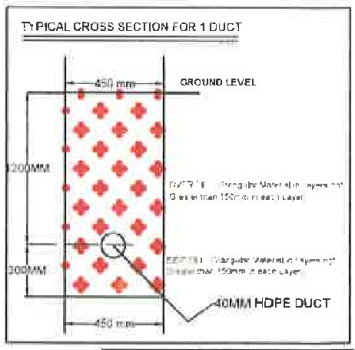
SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal JAGATIYAL-NH 63 -104/170 to 105/170



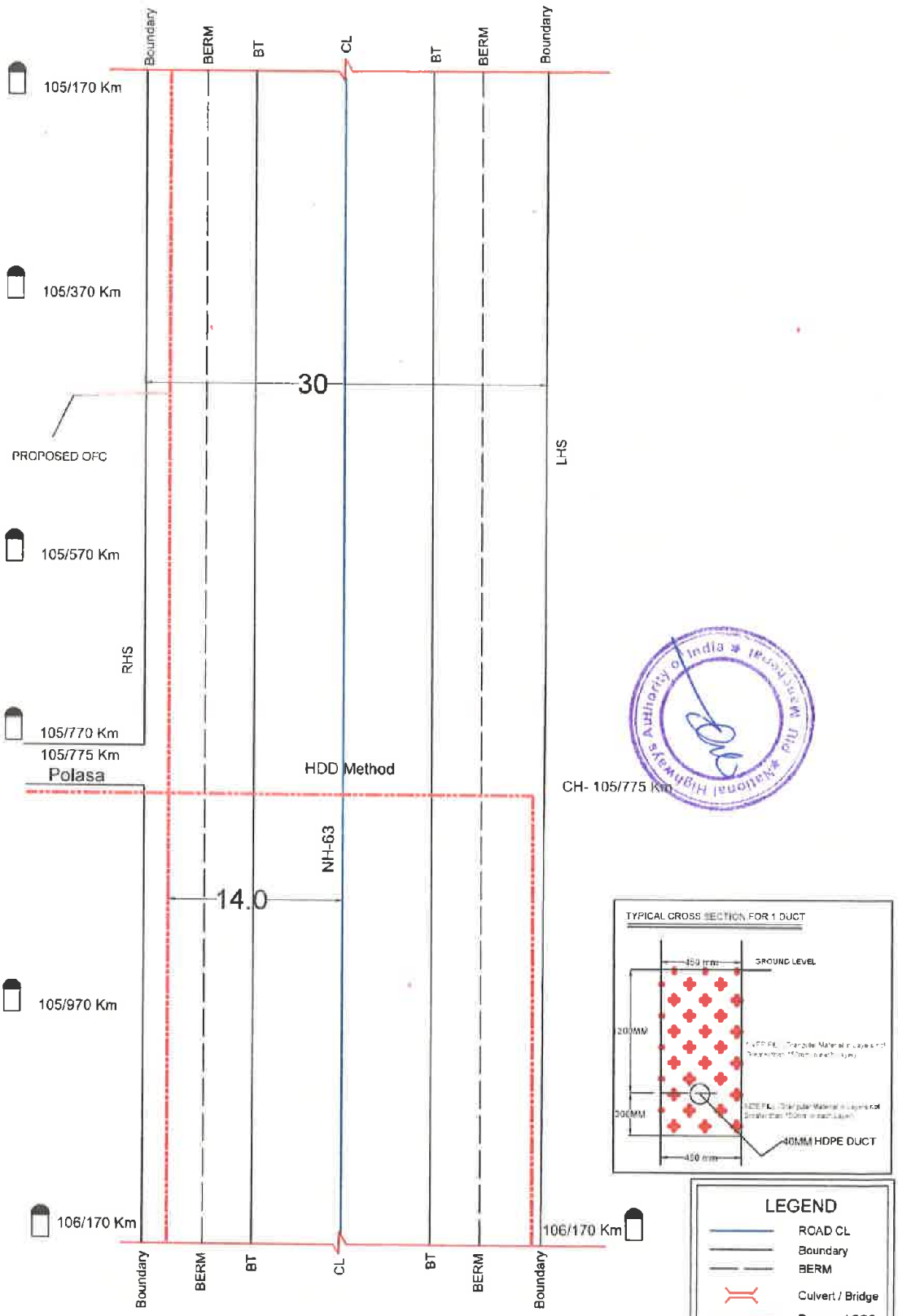


LEGEND	
ROAD CL	
Boundary	
BERM	
Culvert / Bridge	
Proposed OFC	
SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

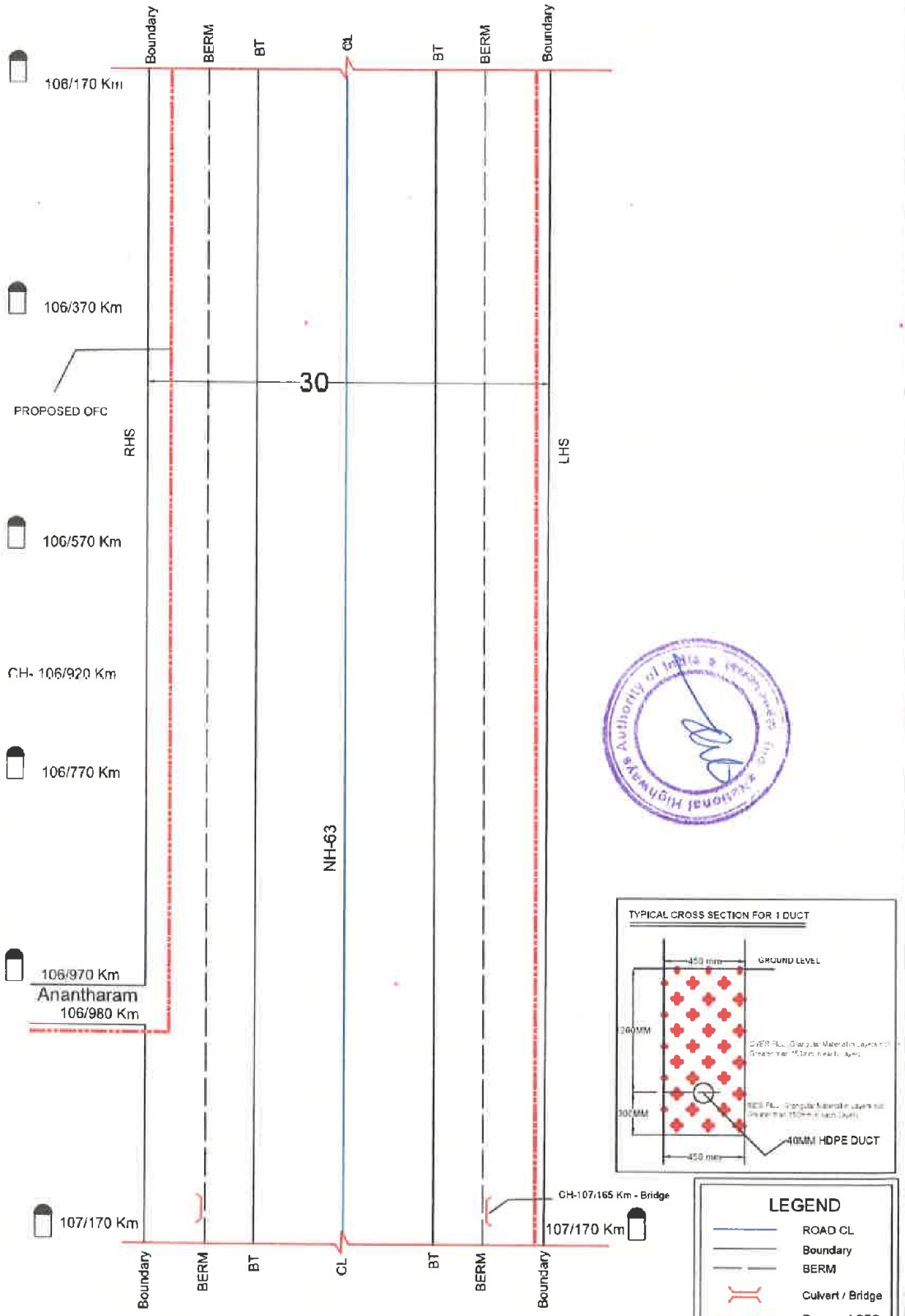
Mandal JAGATIYAL- NH 63-105/170 to 106/170



SECTION LENGTH=1000M

All Dimensions are In Meters

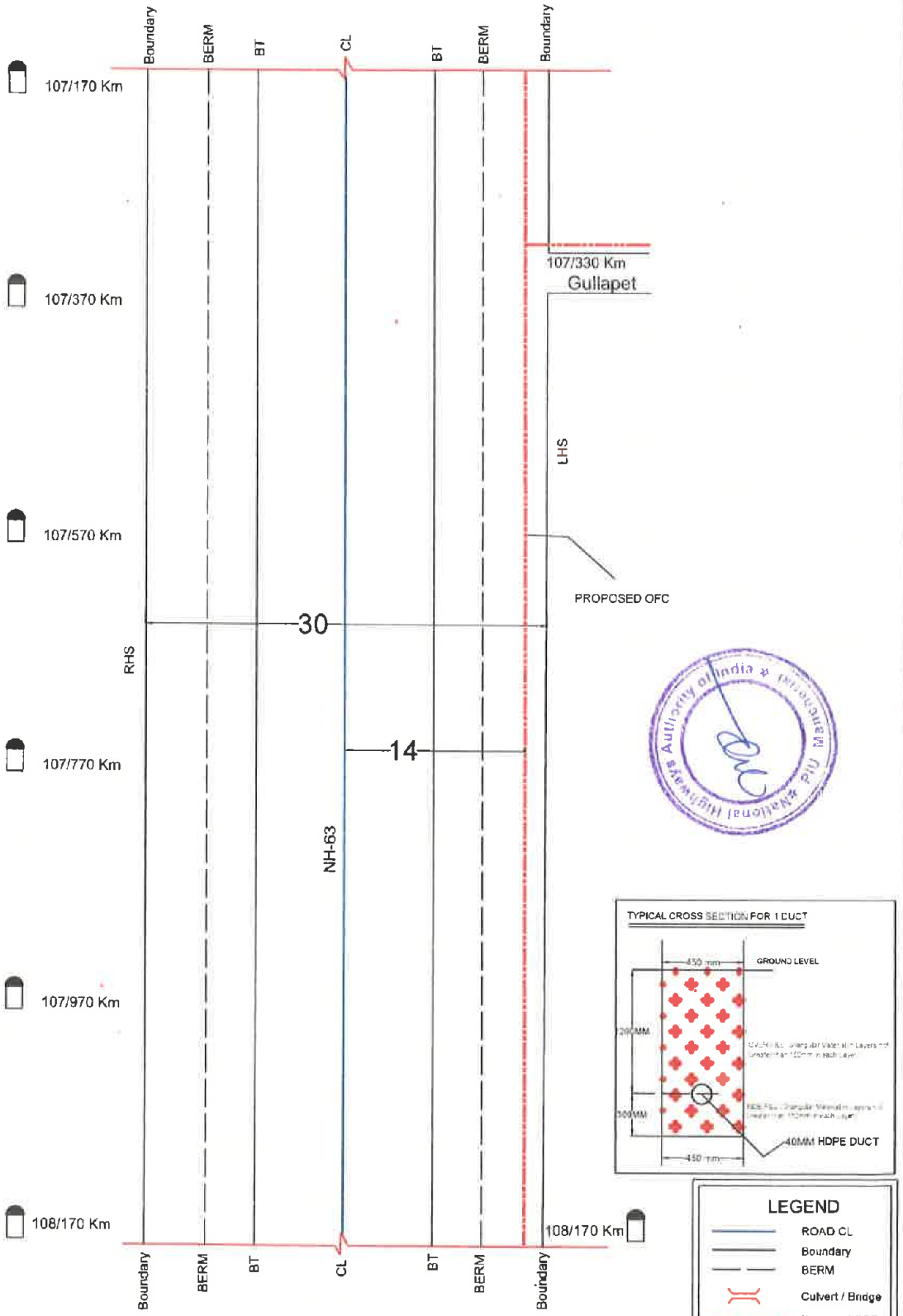
Mandal JAGATIYAL- NH 63- 106/170 to 107/170



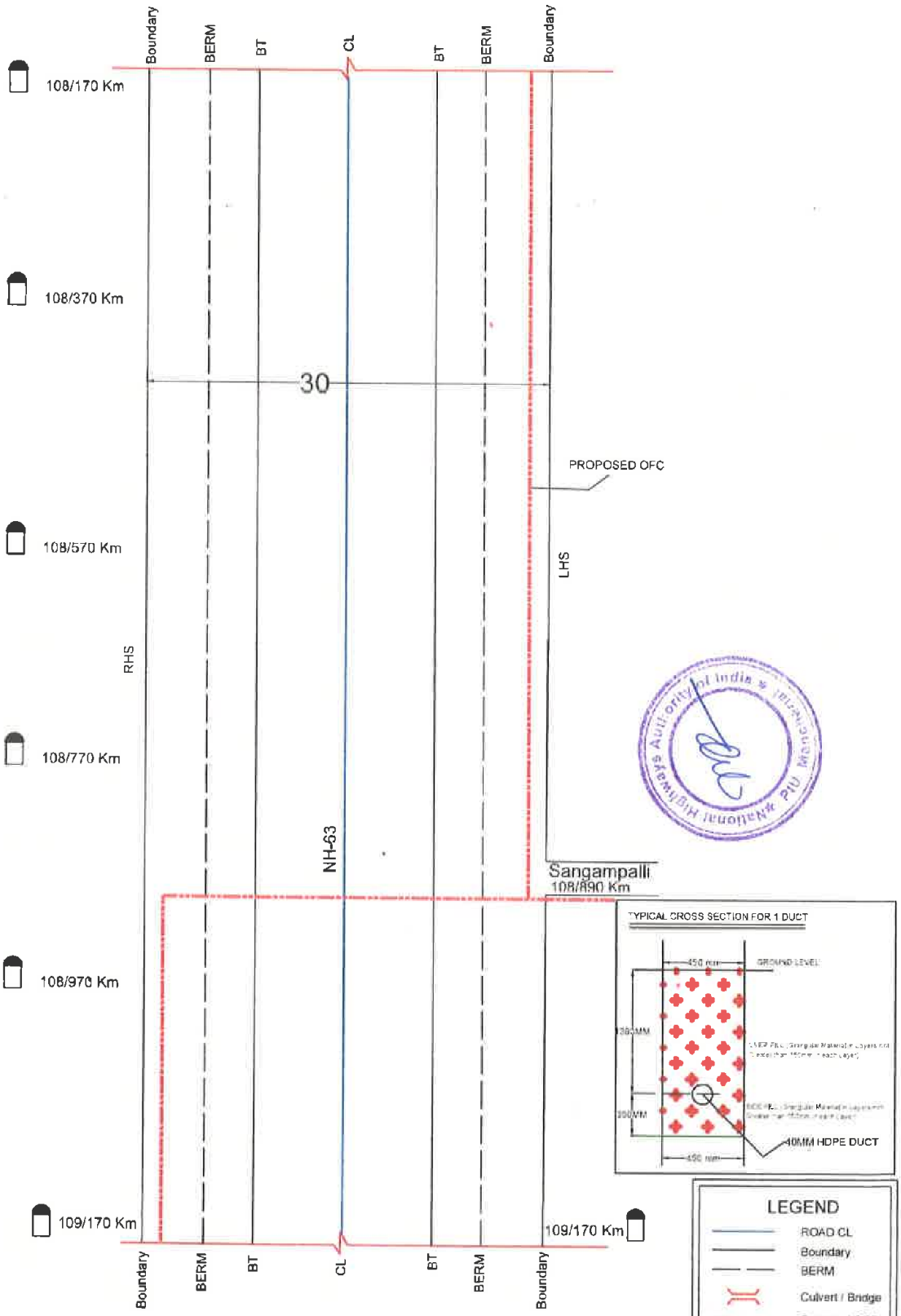
SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal JAGATIYAL- NH 63-107/170 to 108/170



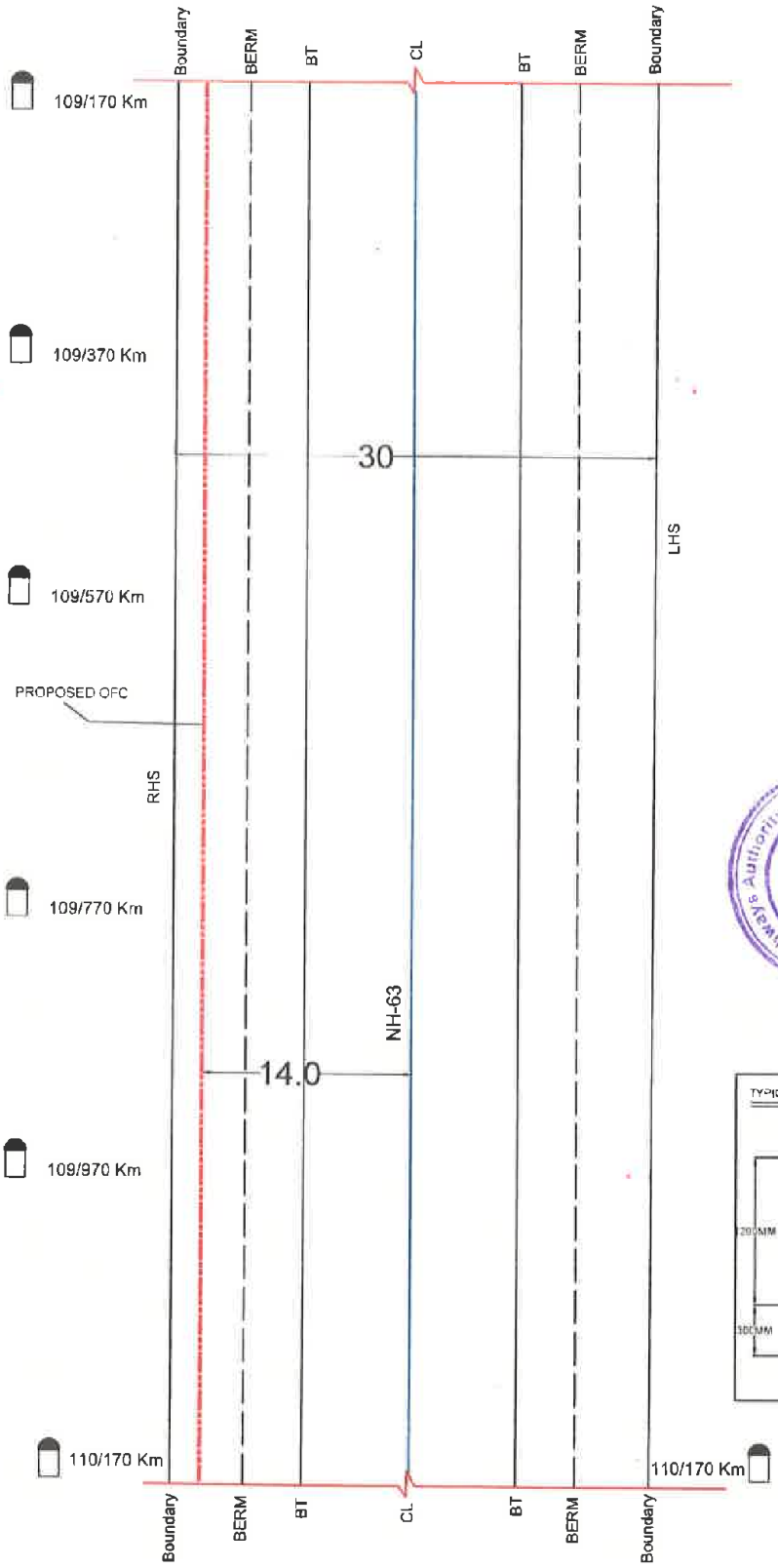
Mandal JAGATIYAL- NH 63- 108/170 to 109/170

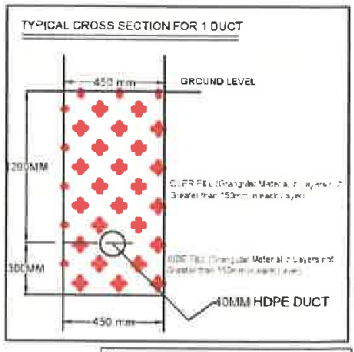


SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal JAGATIYAL- NH 63- 109/170 to 110/170



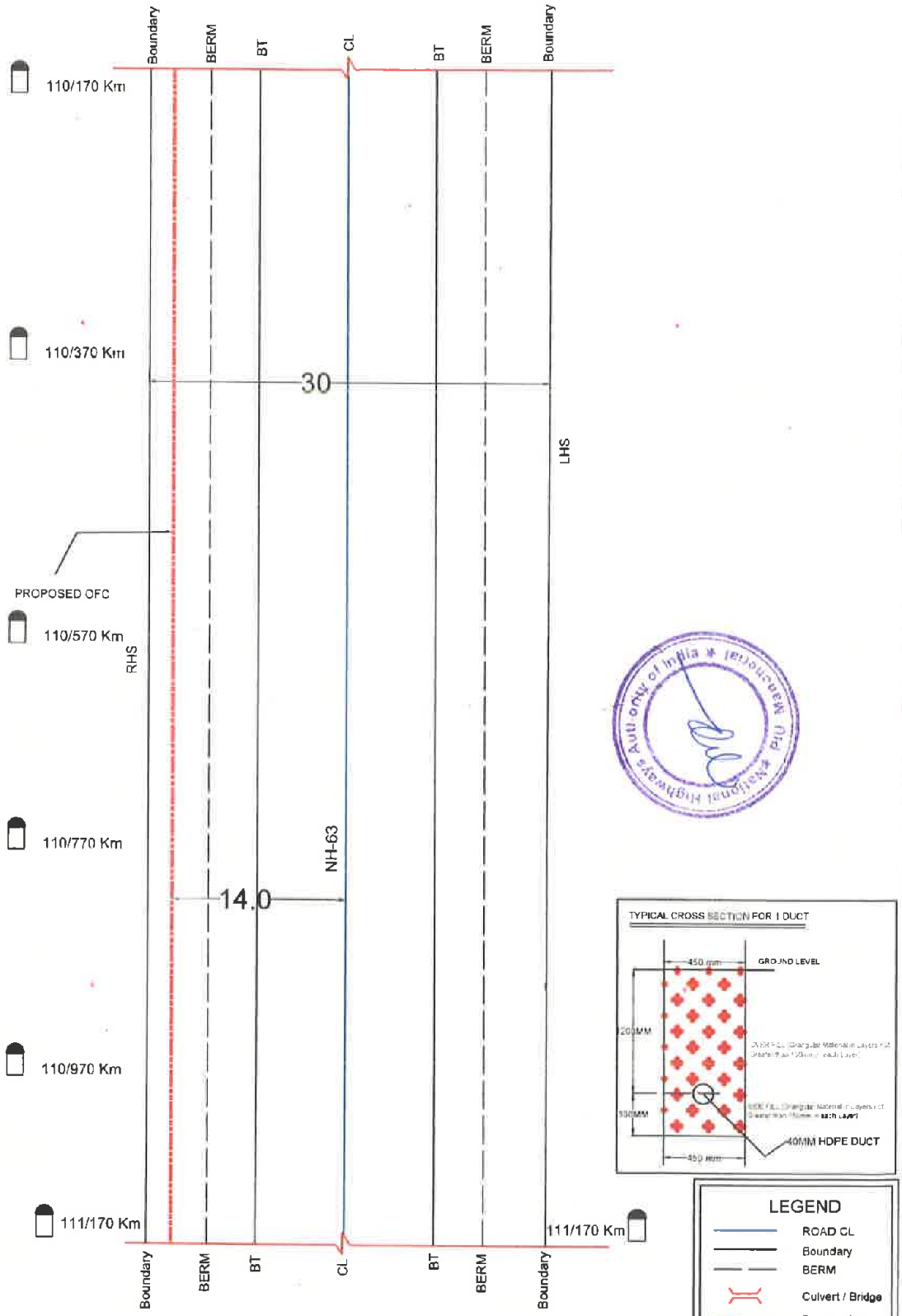


LEGEND	
ROAD CL	
Boundary	
BERM	
Culvert / Bridge	
Proposed OFC	
SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

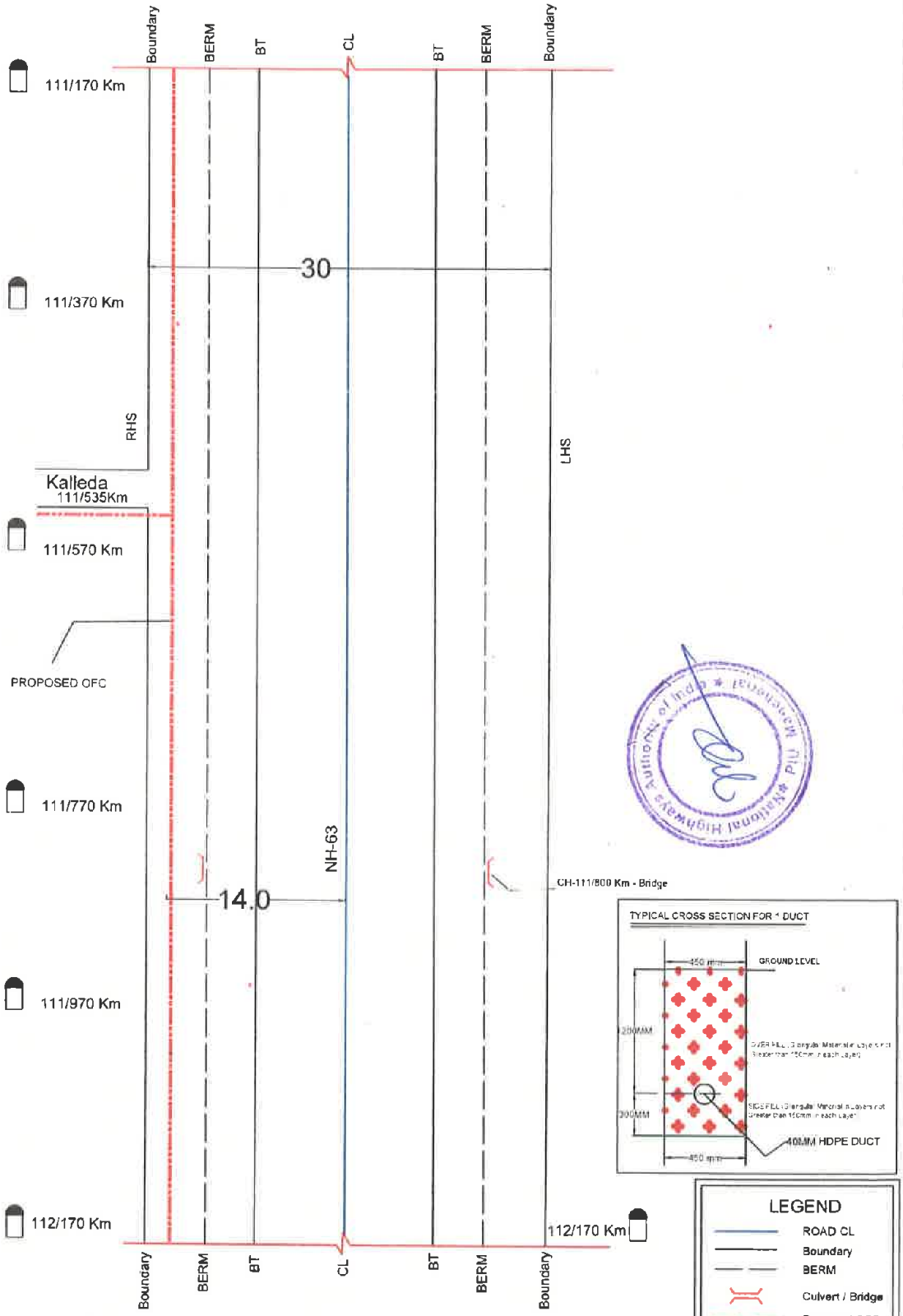
Mandal JAGATIYAL- NH 63- 110/170 to 111/170



SECTION LENGTH=1000M

All Dimensions are in Meters

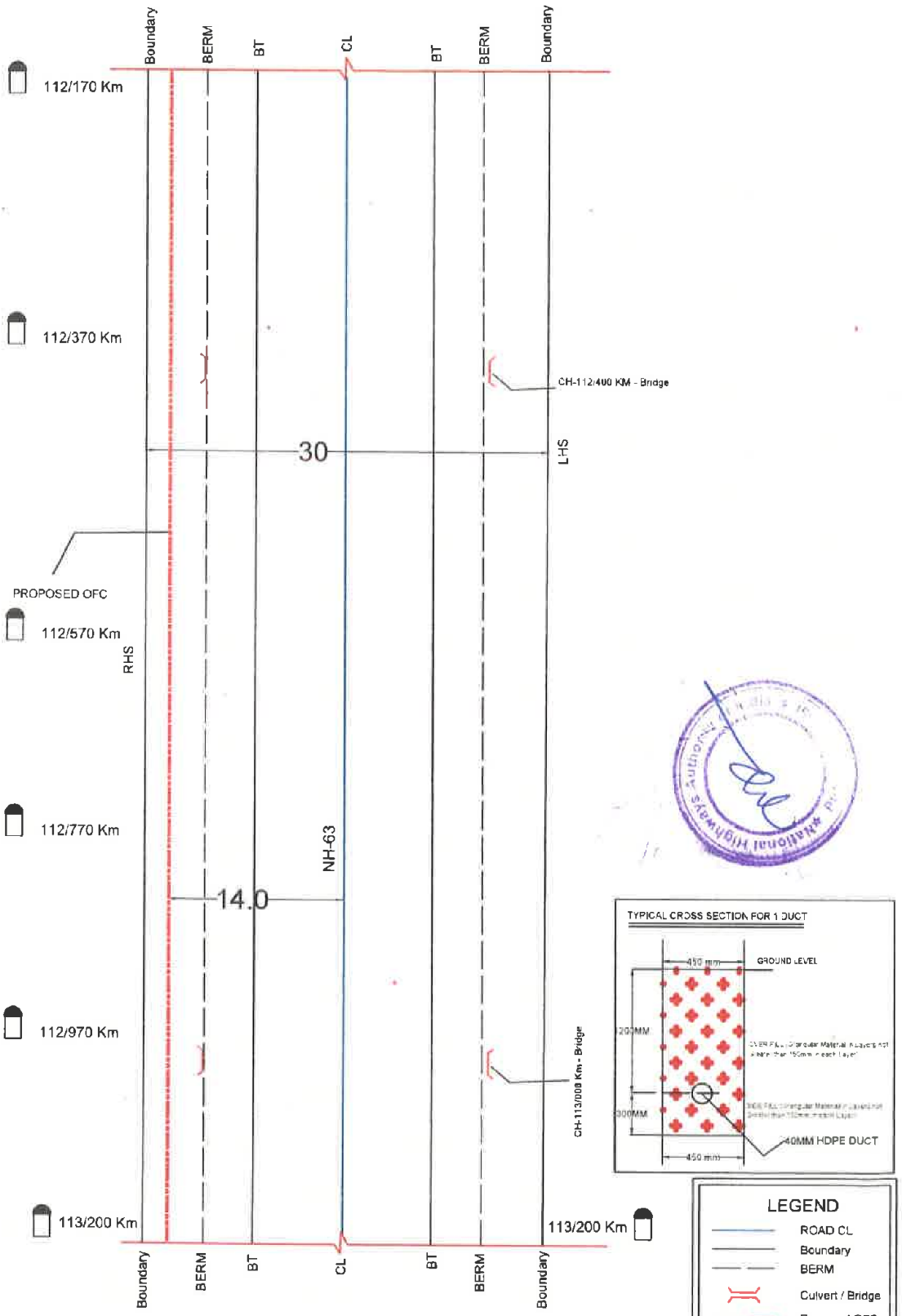
Mandal JAGATIYAL- NH 63- 111/170 to 112/170



SECTION LENGTH=1000M

All Dimensions are in Meters

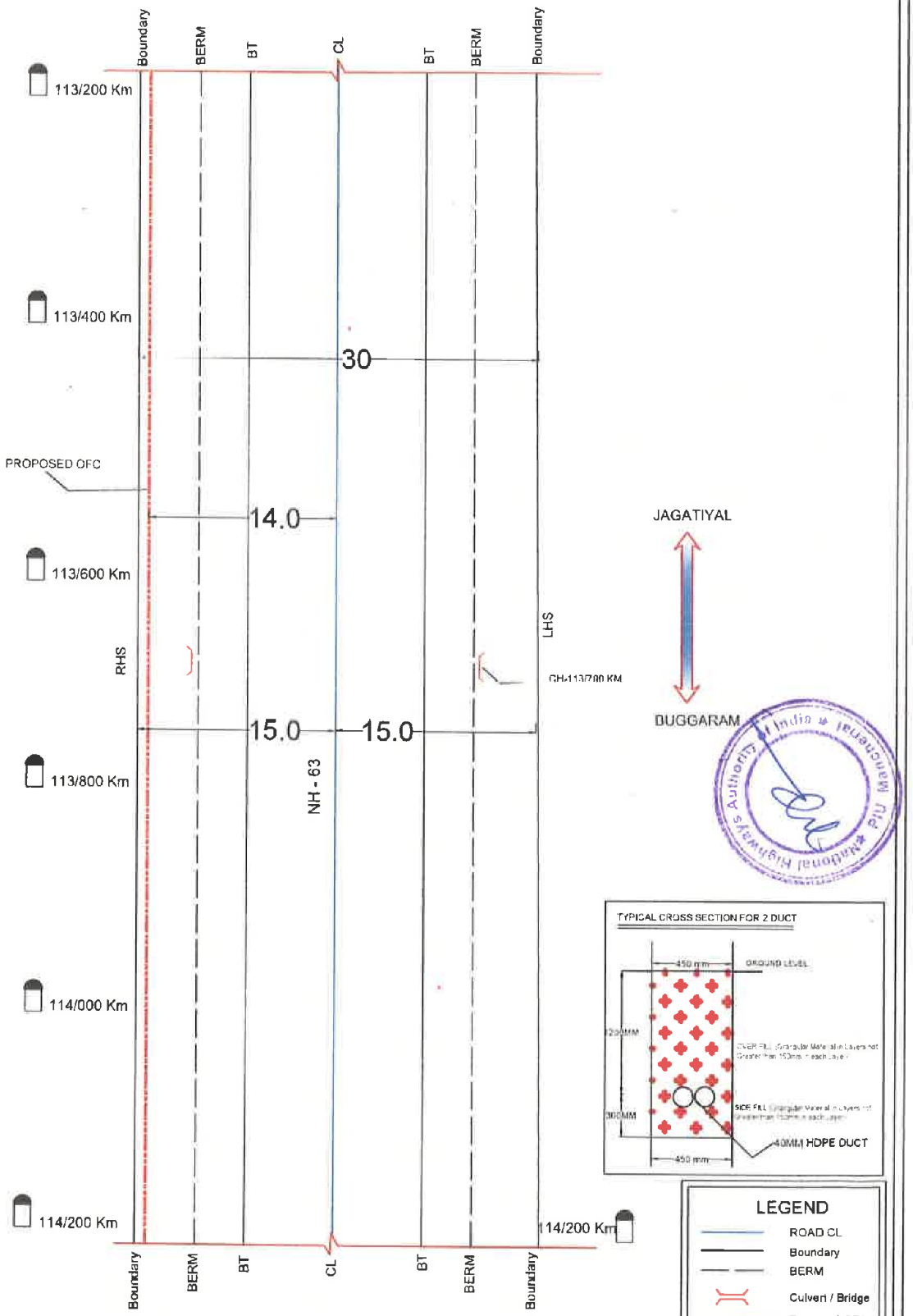
Mandal JAGATIYAL- NH 63- 112/170 to 113/200



SECTION LENGTH=1030M

All Dimensions are in Meters

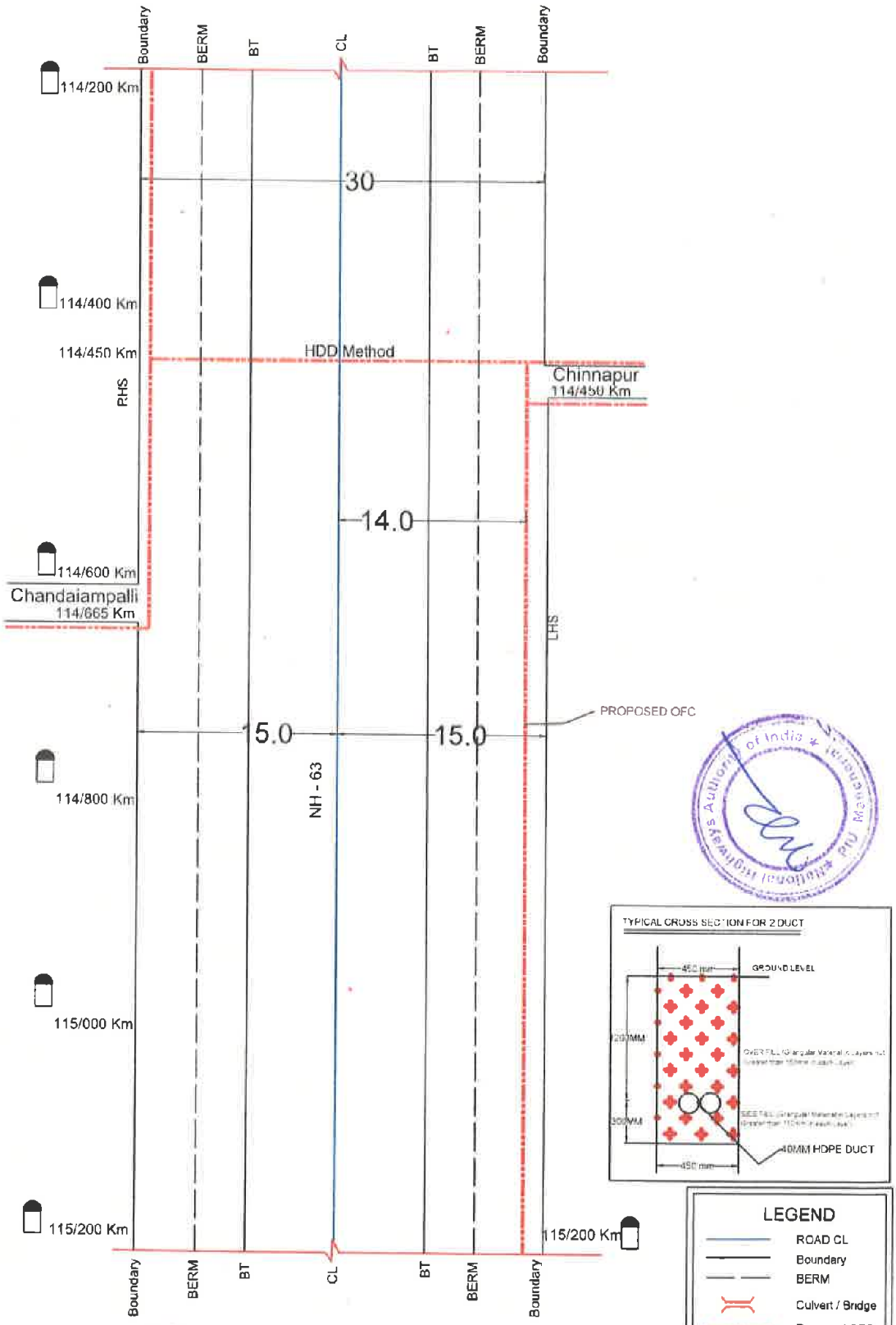
MANDAL BUGGARAM- NH 63 - 113/200 to 114/200



SECTION LENGTH=9920M

All Dimensions are in Meters

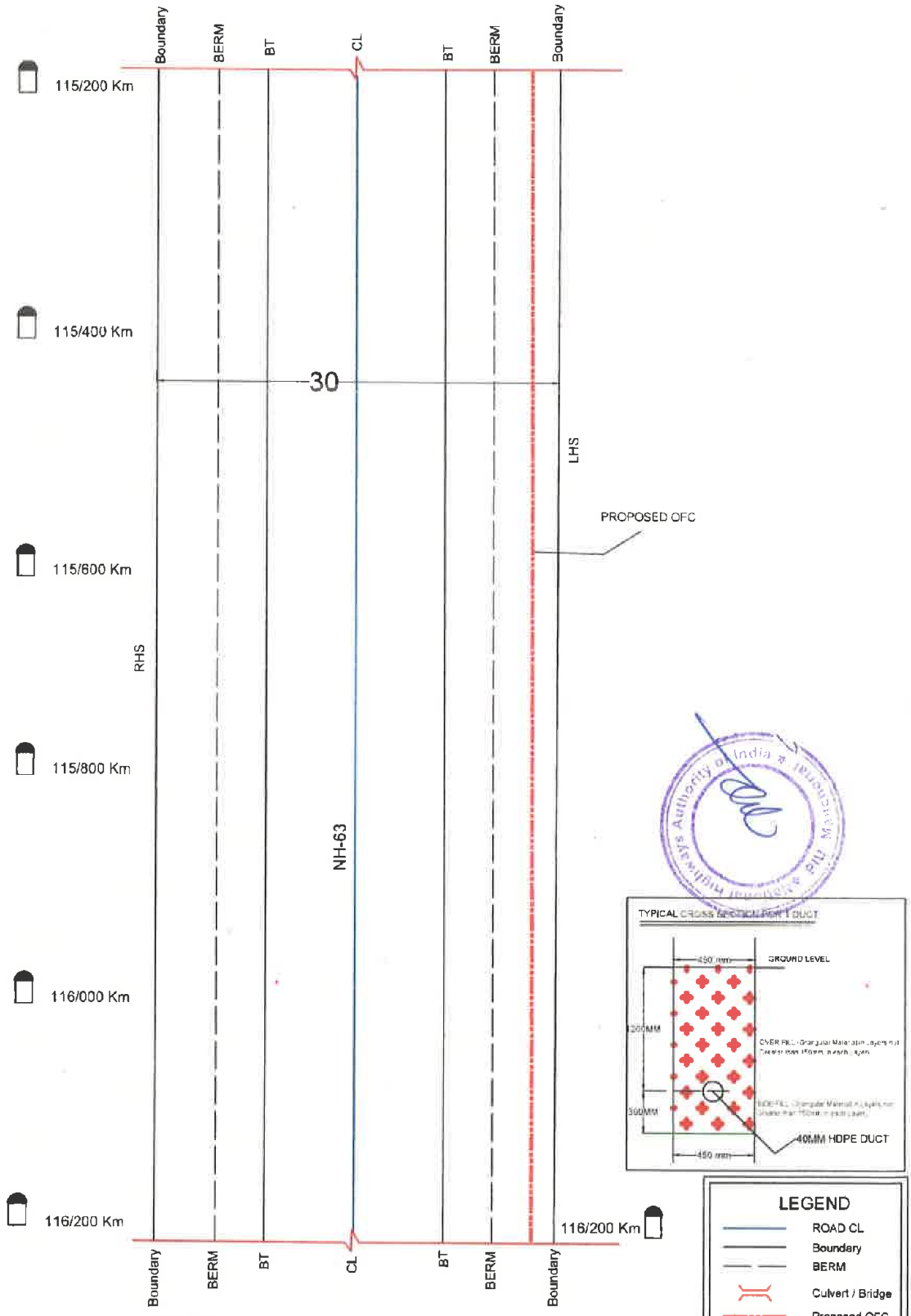
MANDAL BUGGARAM- NH 63 - 114/200 to 115/200



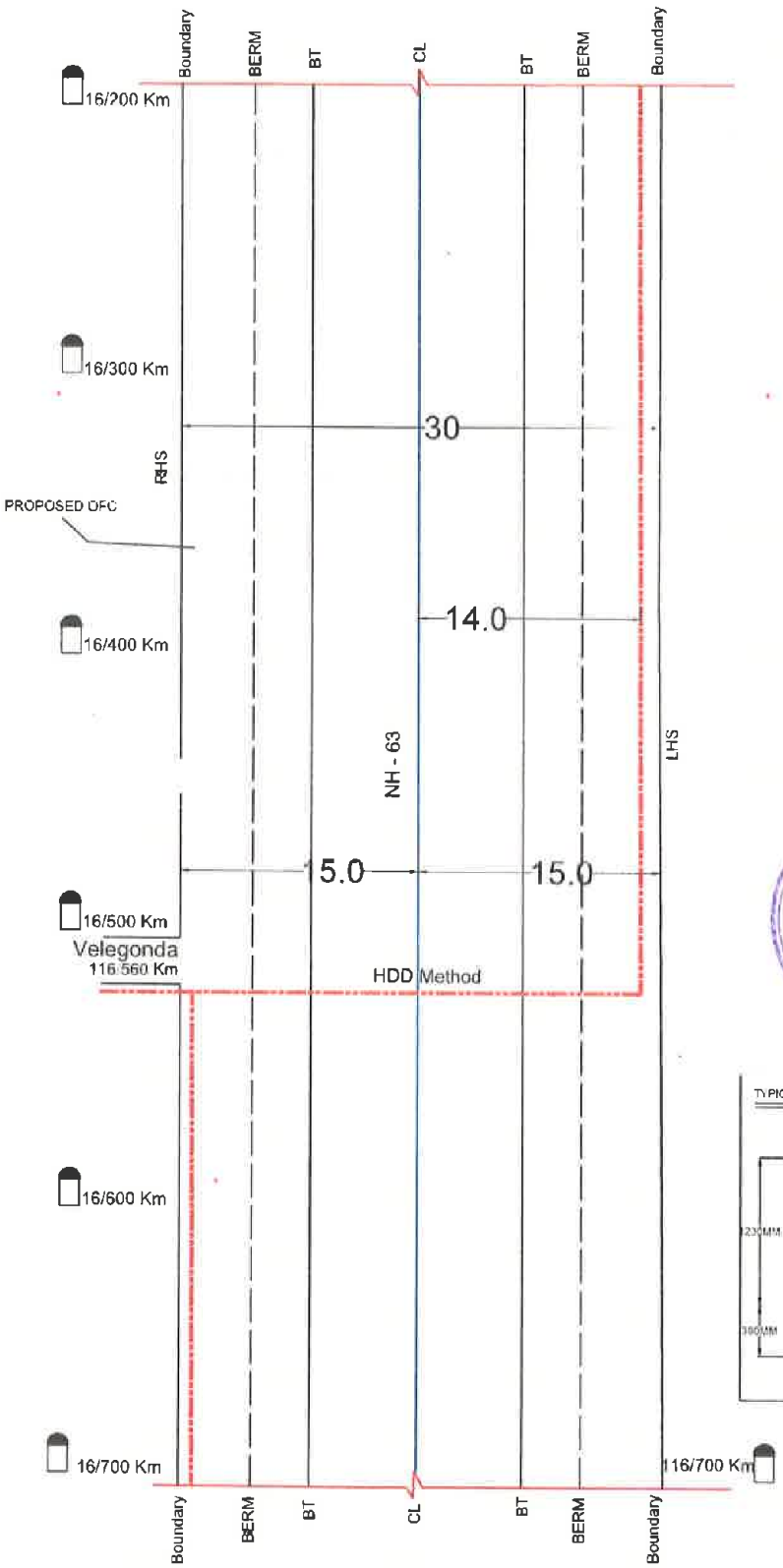
SECTION LENGTH=9920M

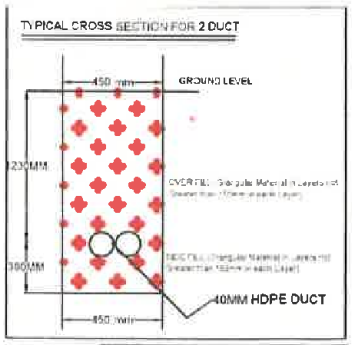
All Dimensions are in Meters

Mandal BUGGARAM- NH 63 - 115/200 to 116/200



MANDAL BUGGARAM- NH 63- 116/200 to 116/700





LEGEND

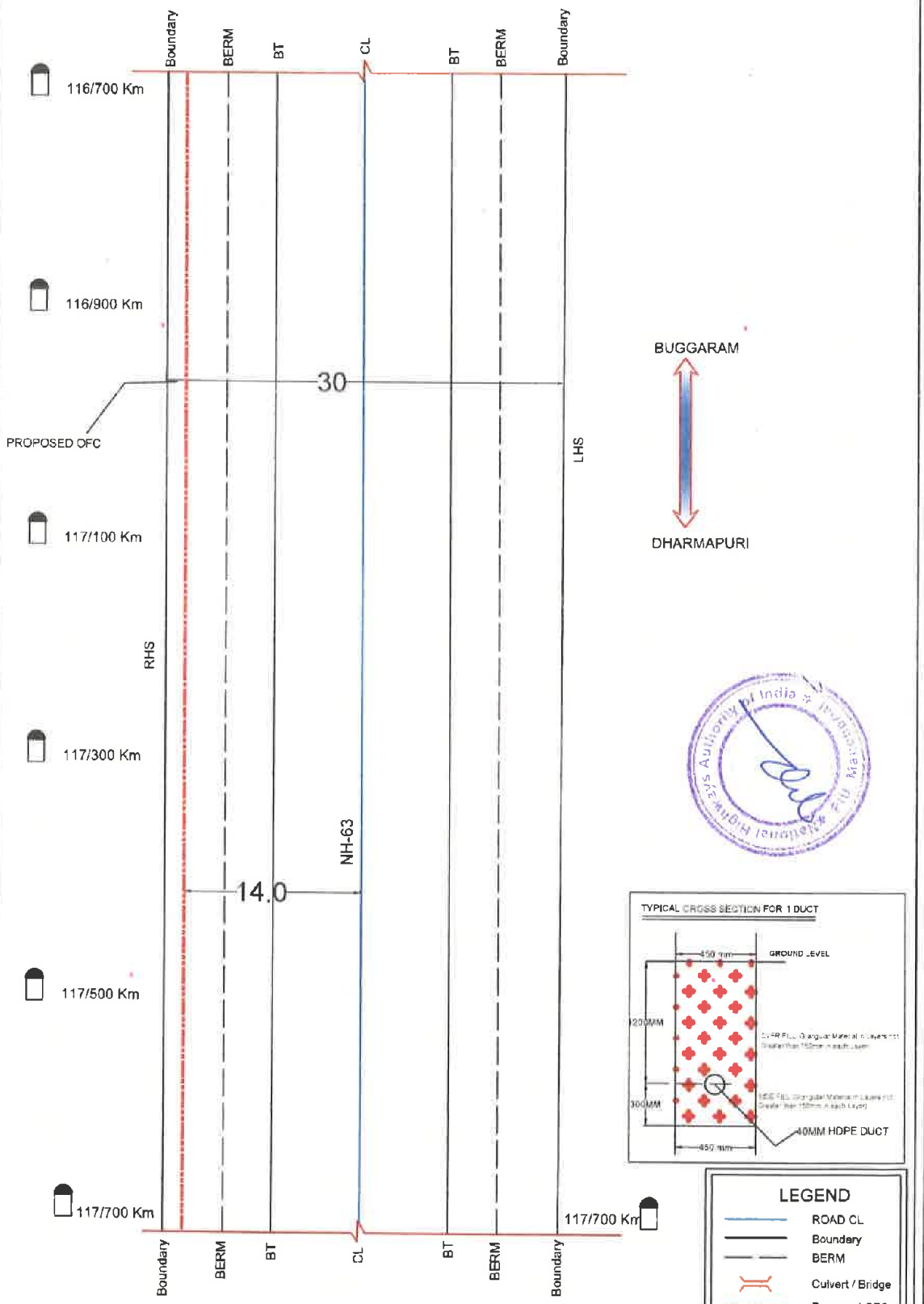
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=500M

All Dimensions are in Meters

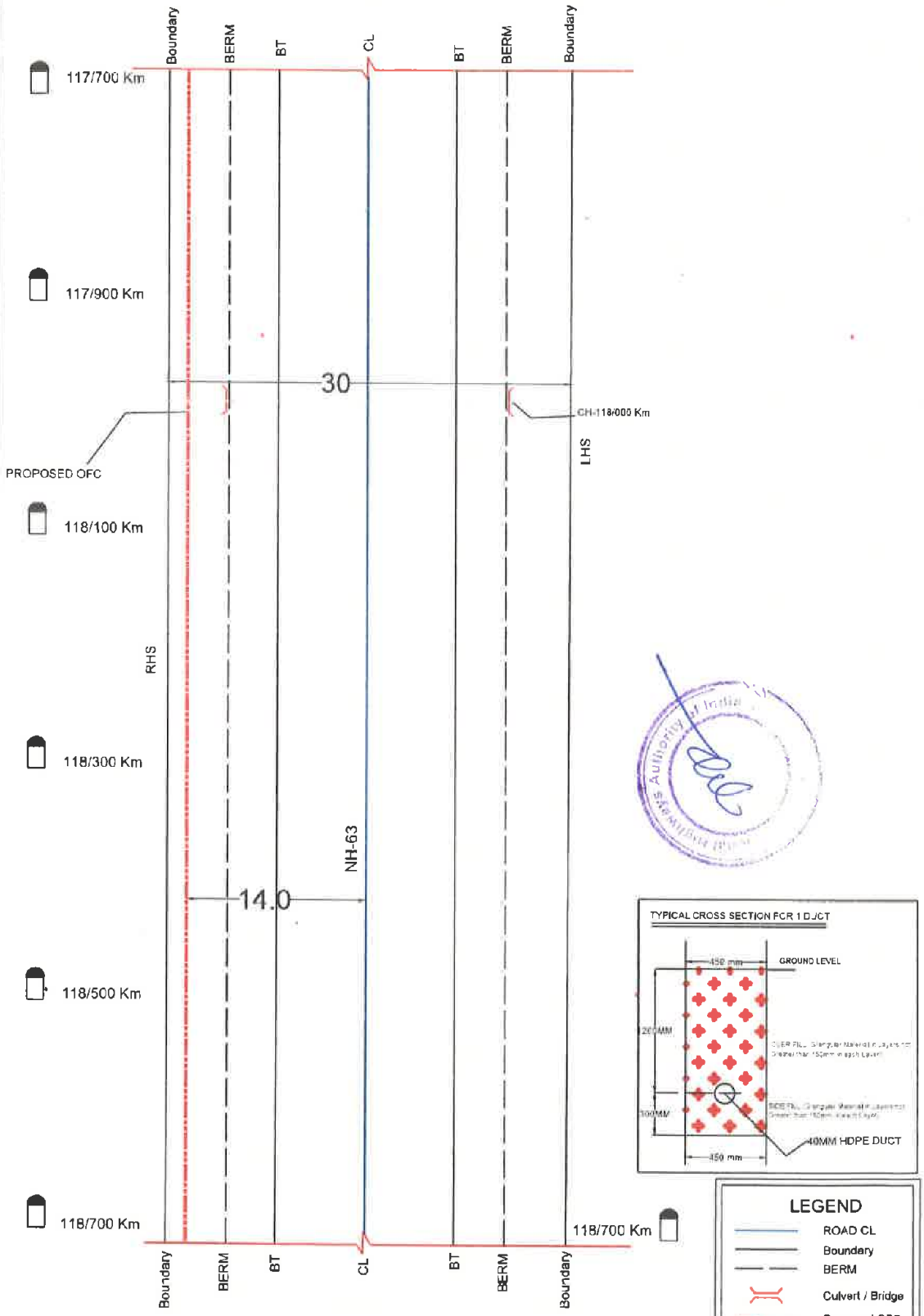
Mandal DHARMAPURI- NH 63- 116/700 to 117/700



SECTION LENGTH=1000M

All Dimensions are in Meters

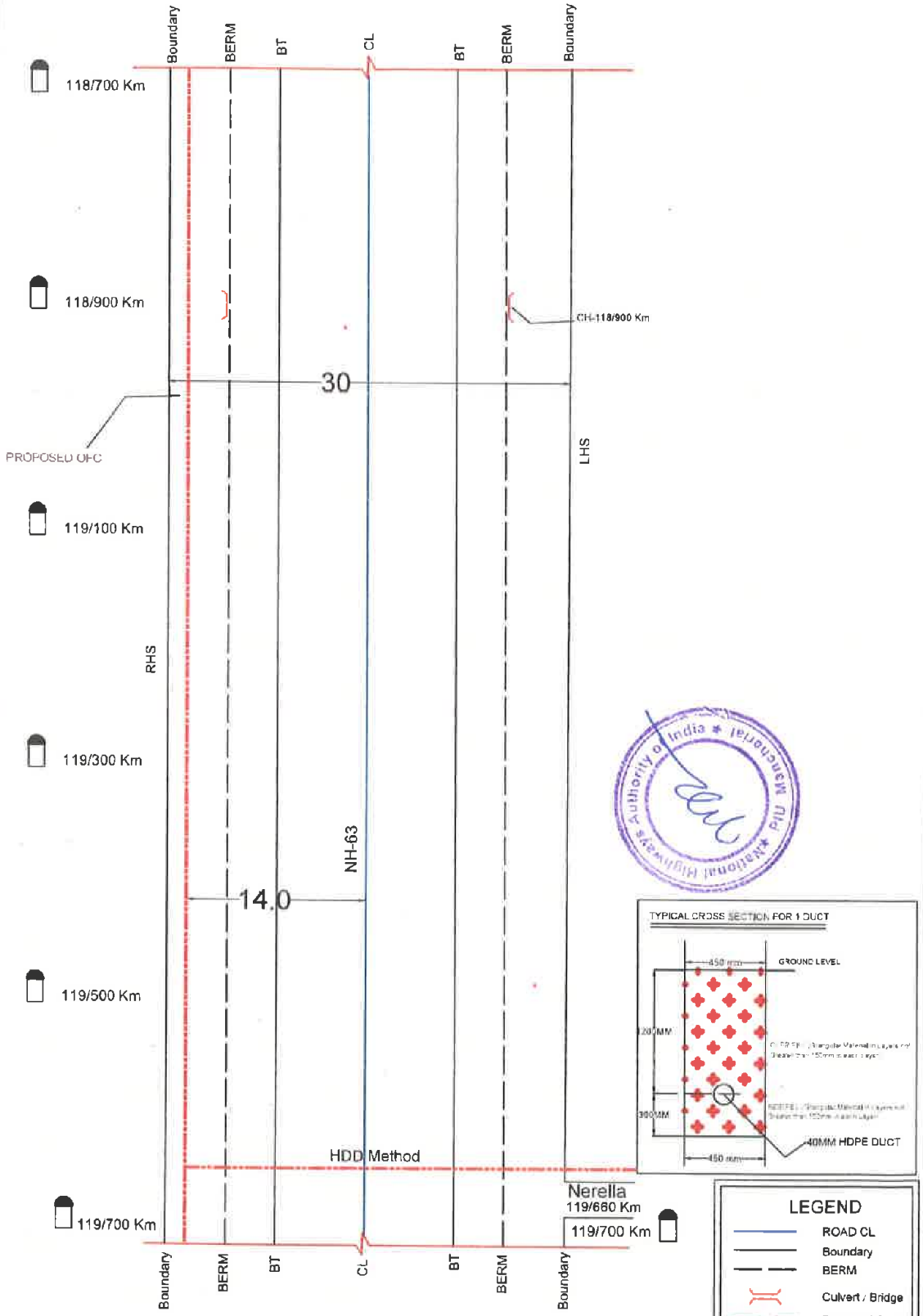
Mandal DHARMAPURI- NH 63-117/700 to 118/700



SECTION LENGTH=1000M

All Dimensions are in Meters

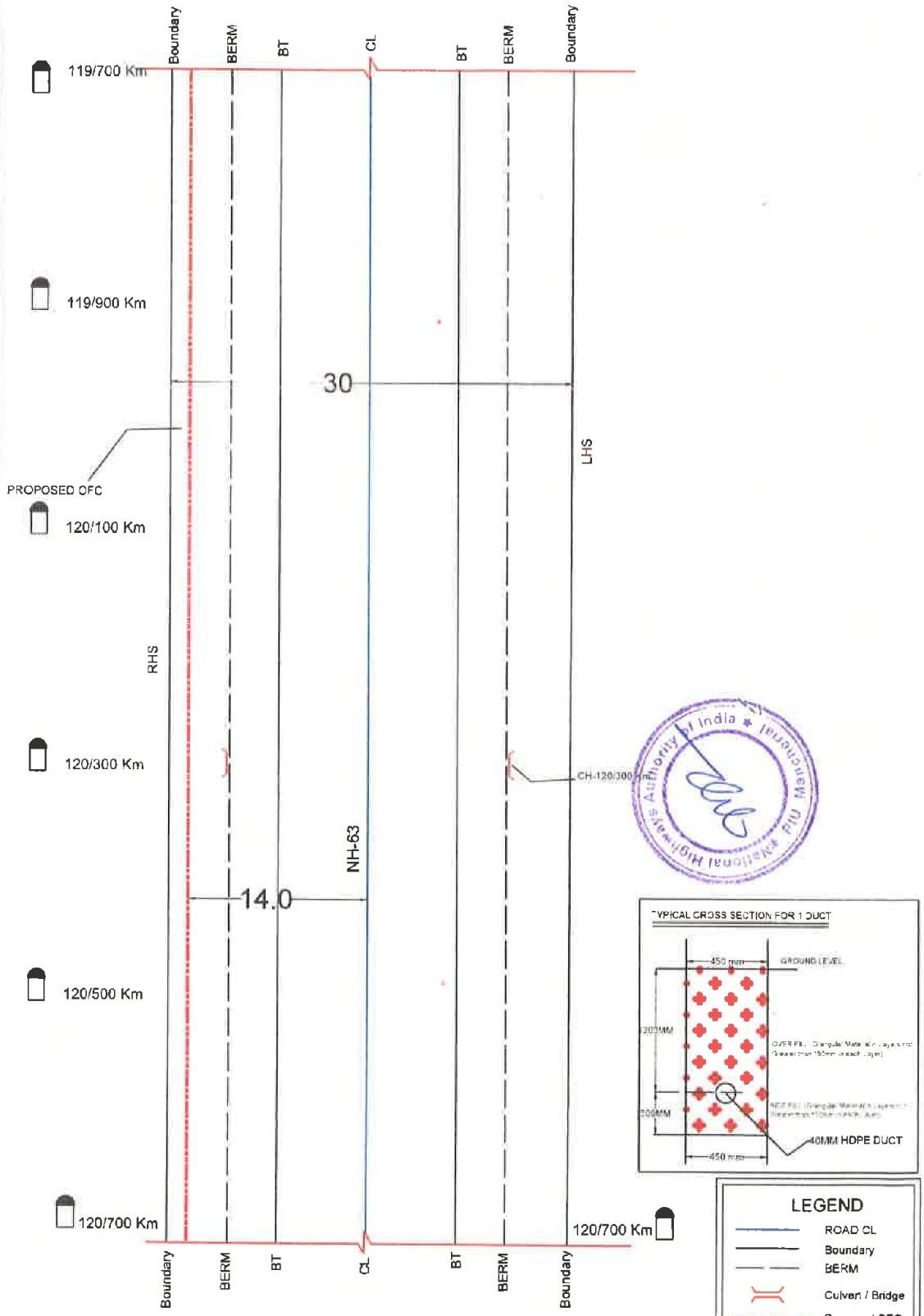
Mandal DHARMAPURI- NH 63-118/700 to 119/700



SECTION LENGTH=1000M

All Dimensions are In Meters

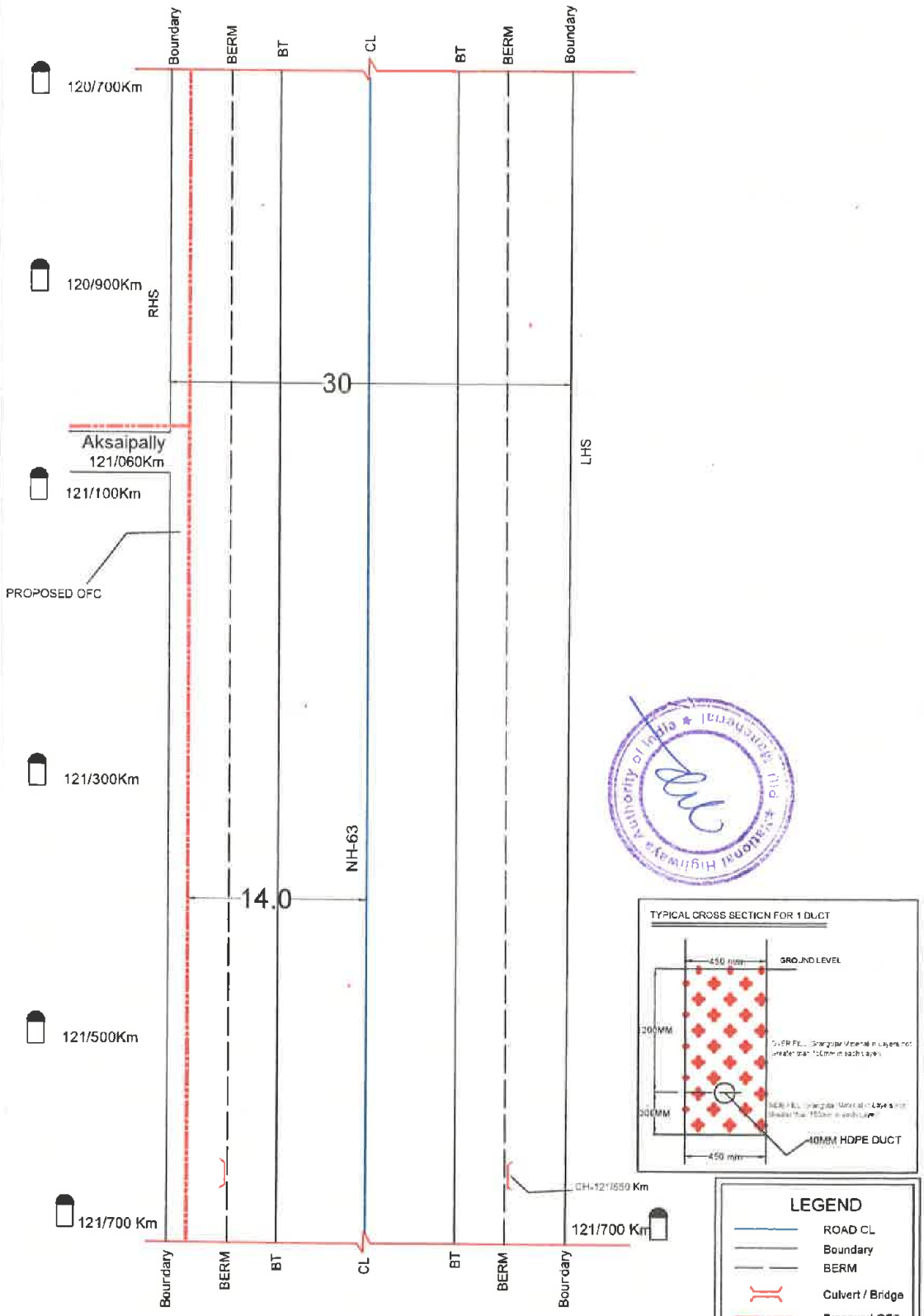
Mandal DHARMAPURI-NH 63- 119/700 to 120/700



SECTION LENGTH=1000M

All Dimensions are in Meters

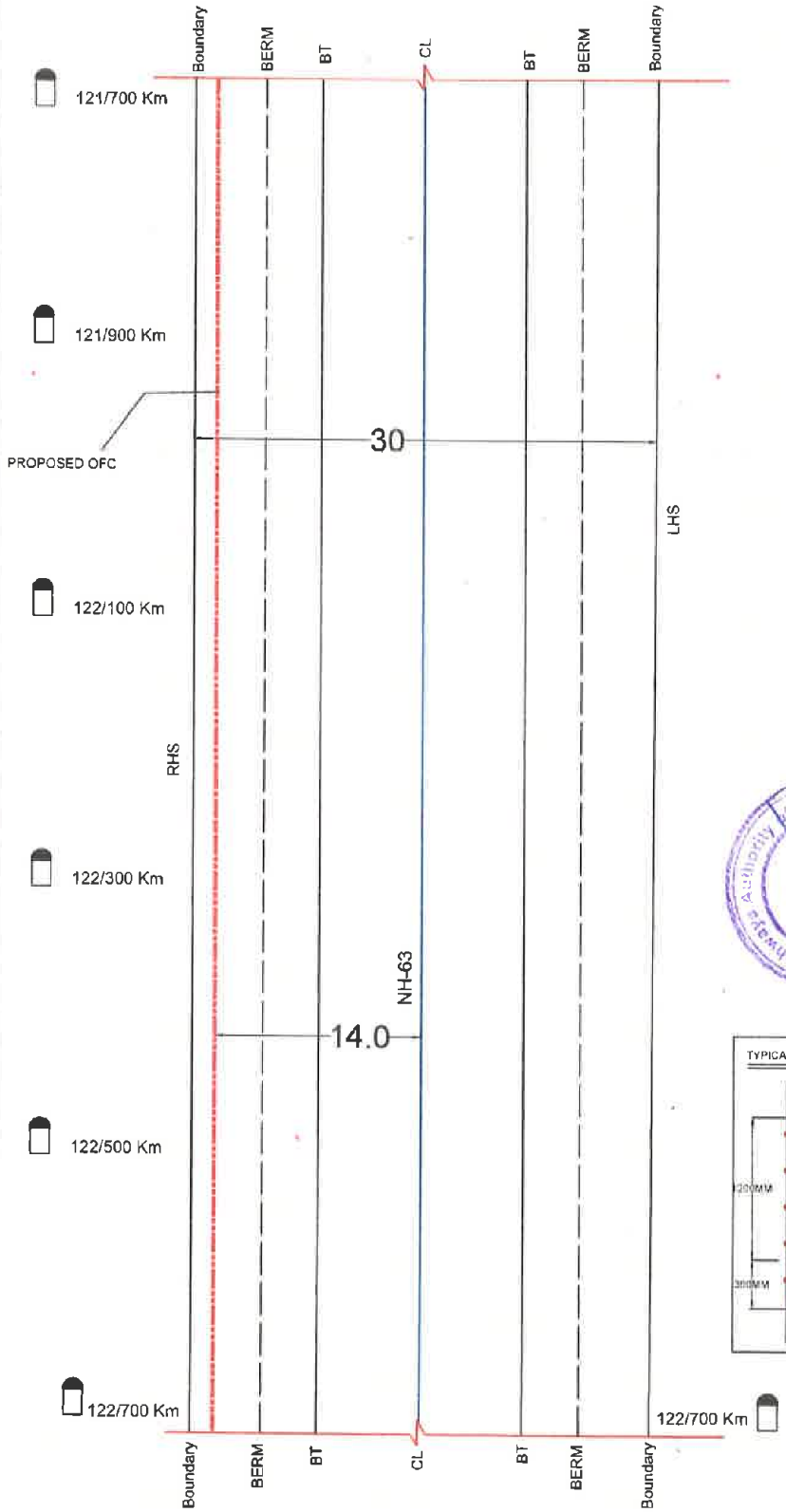
Mandal DHARMAPURI-NH 63-120/700 to 121/700

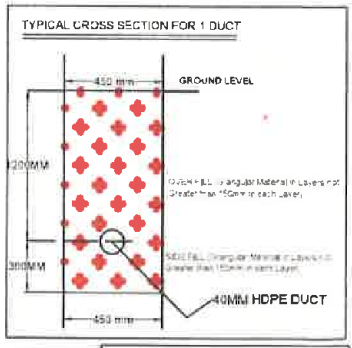


SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal DHARMAPURI-NH 63-121/700 to 122/700





LEGEND

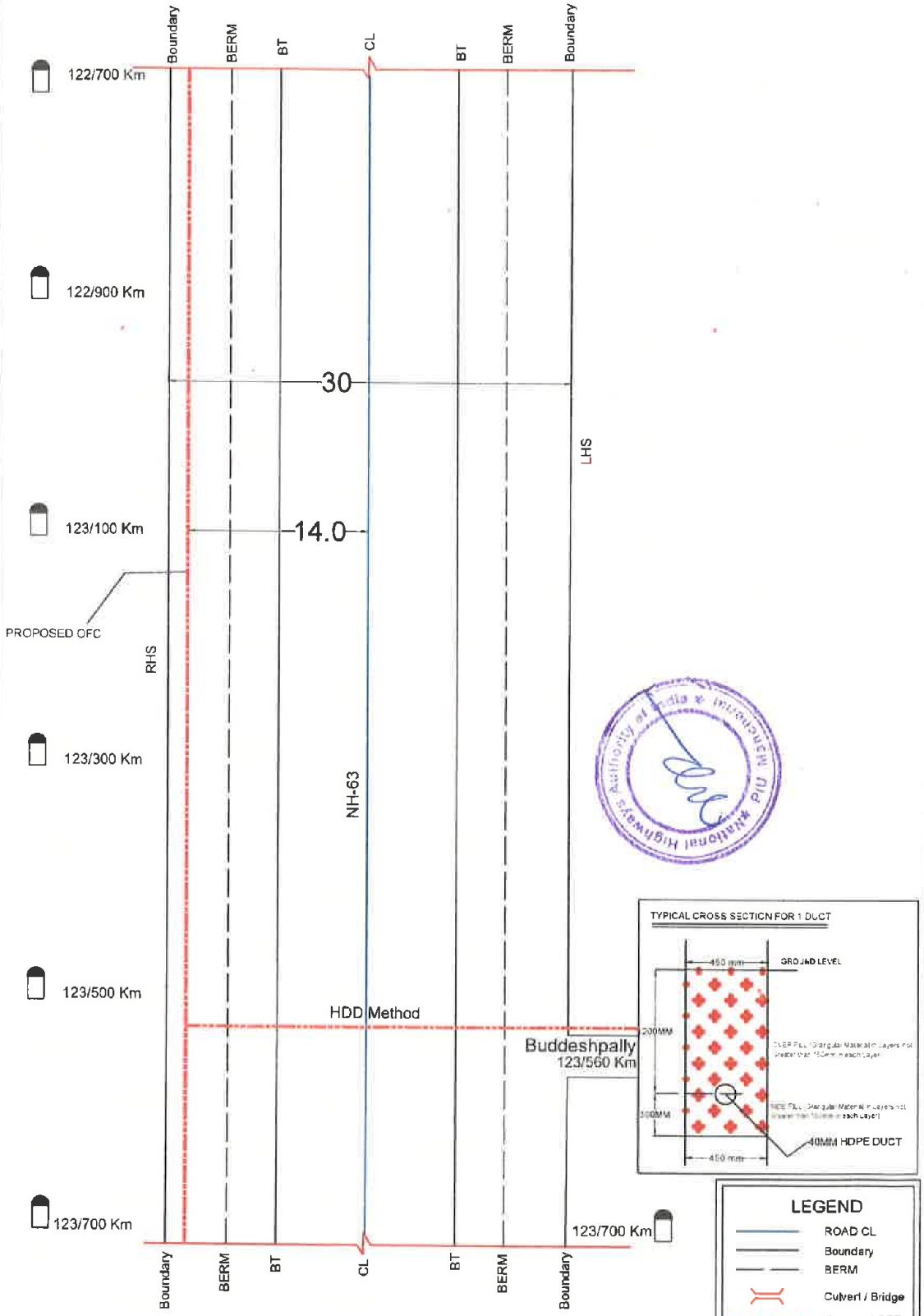
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

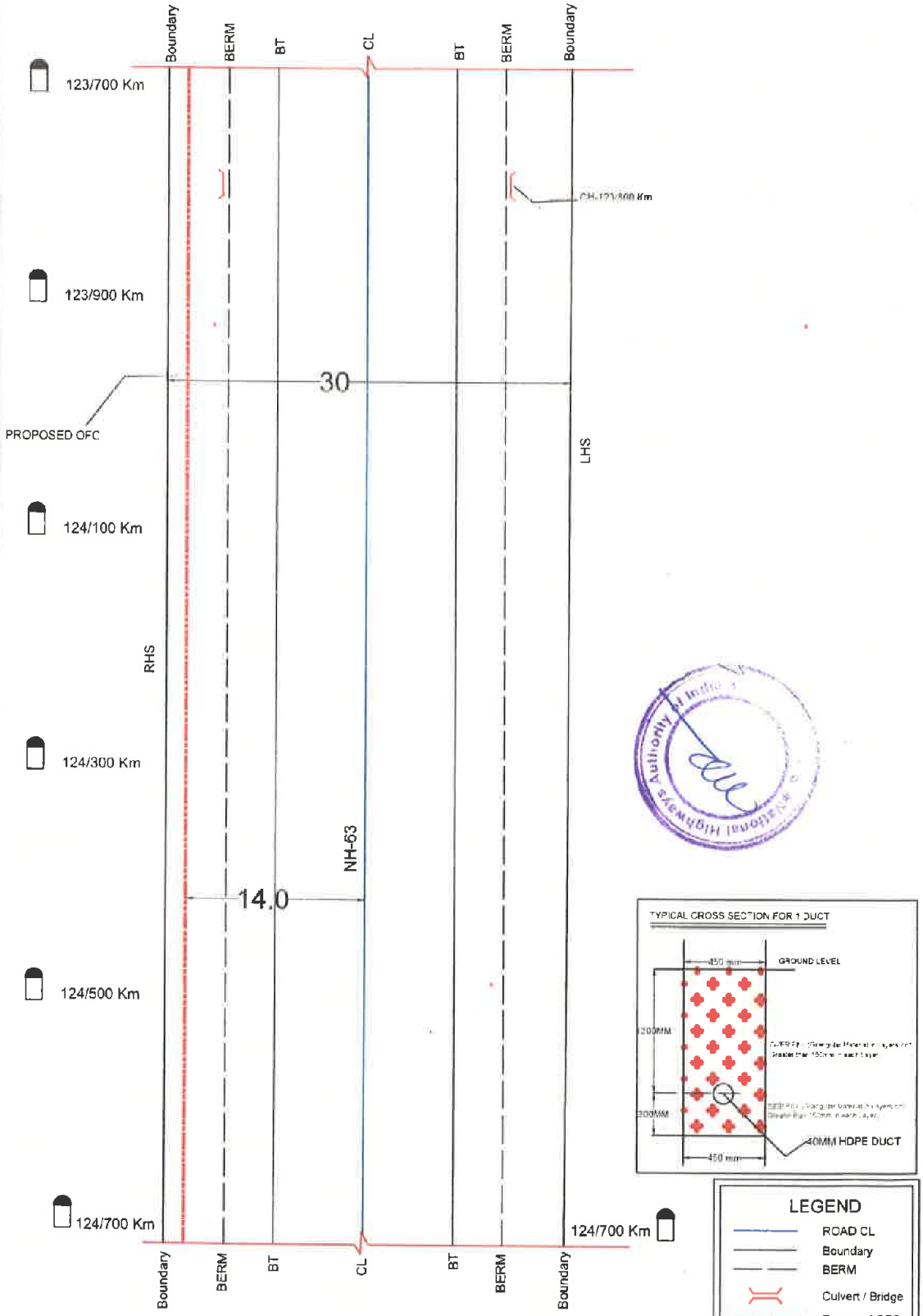
Mandal DHARMAPURI- NH 63 -122/700 to 123/700



SECTION LENGTH=700M

All Dimensions are in Meters

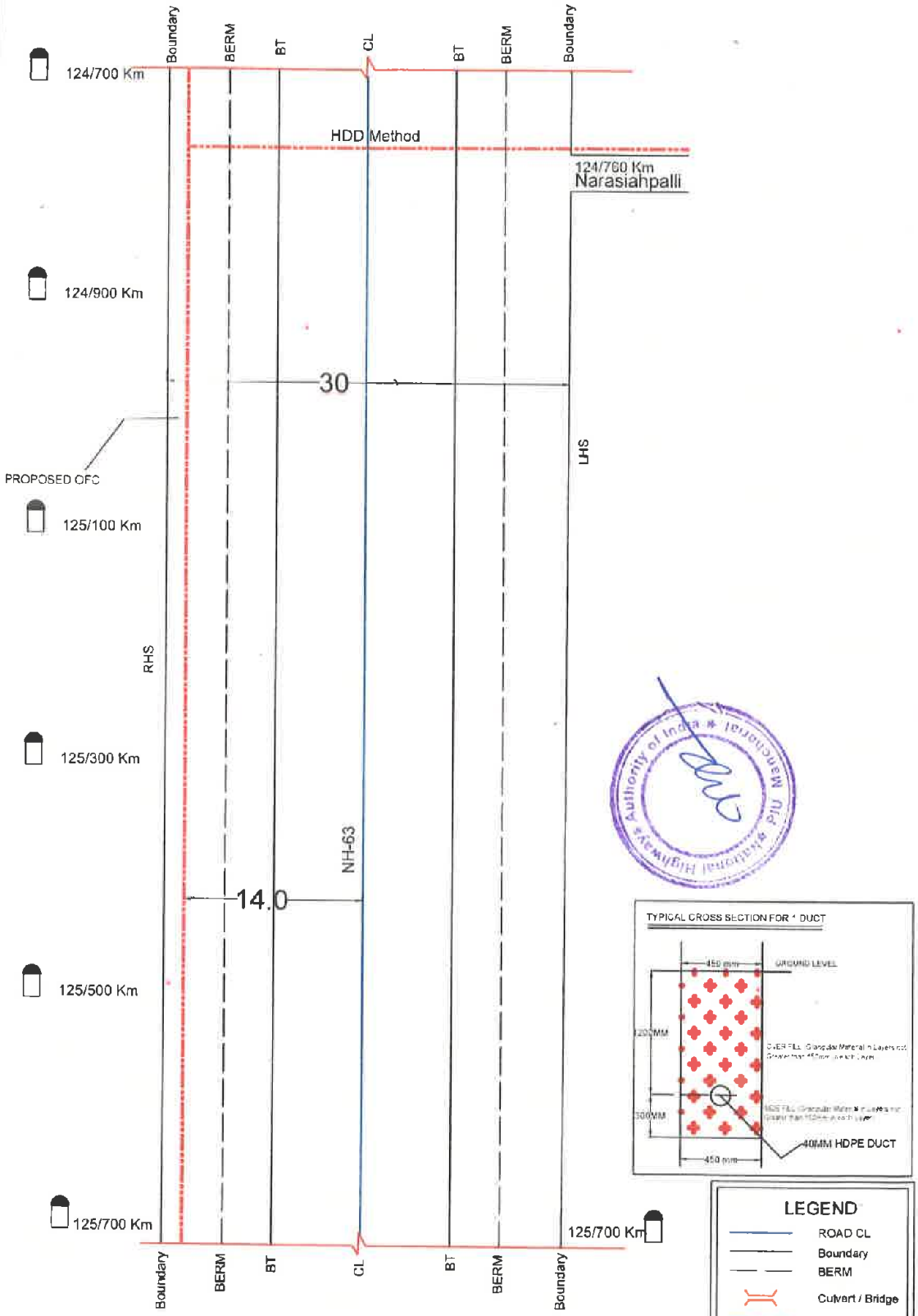
Mandal DHARMAPURI- NH 63-123/700 to 124/700



SECTION LENGTH=1000M

All Dimensions are in Meters

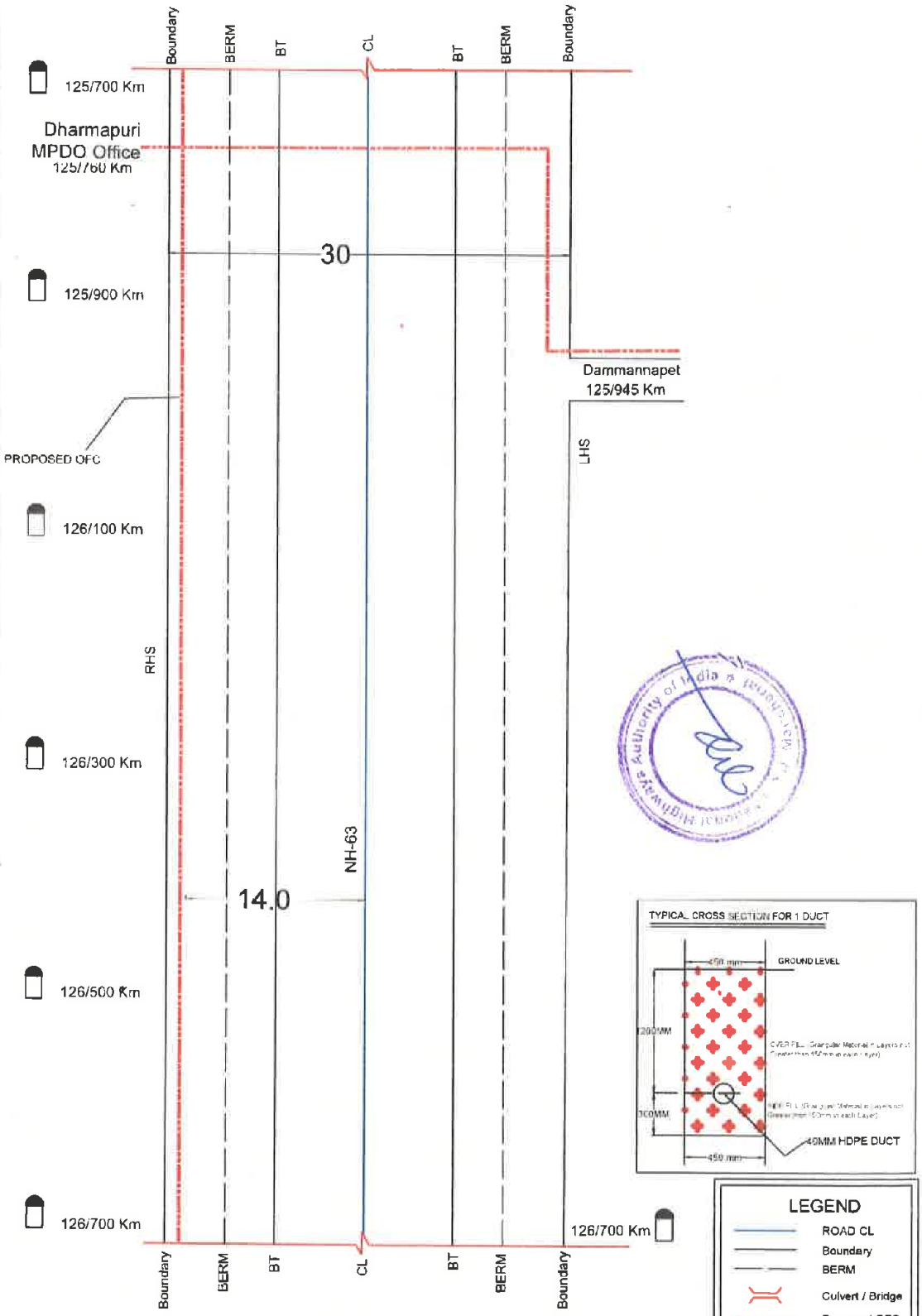
Mandal DHARMAPURI-NH 63-124/700 to 125/700



SECTION LENGTH=1000M

All Dimensions are in Meters

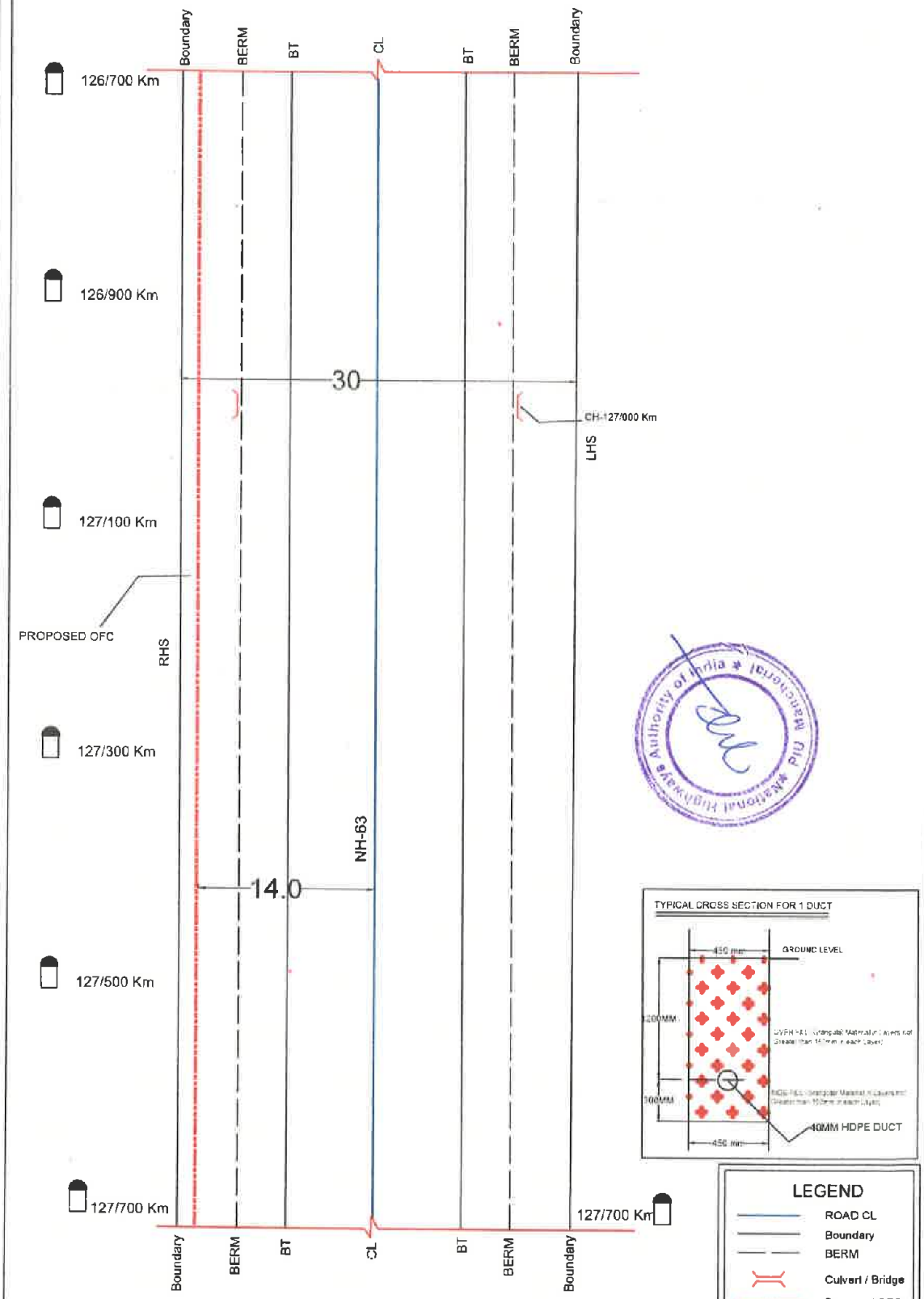
Mandal DHARMAPURI- NH 63-125/700 to 126/700



SECTION LENGTH=1000M

All Dimensions are in Meters

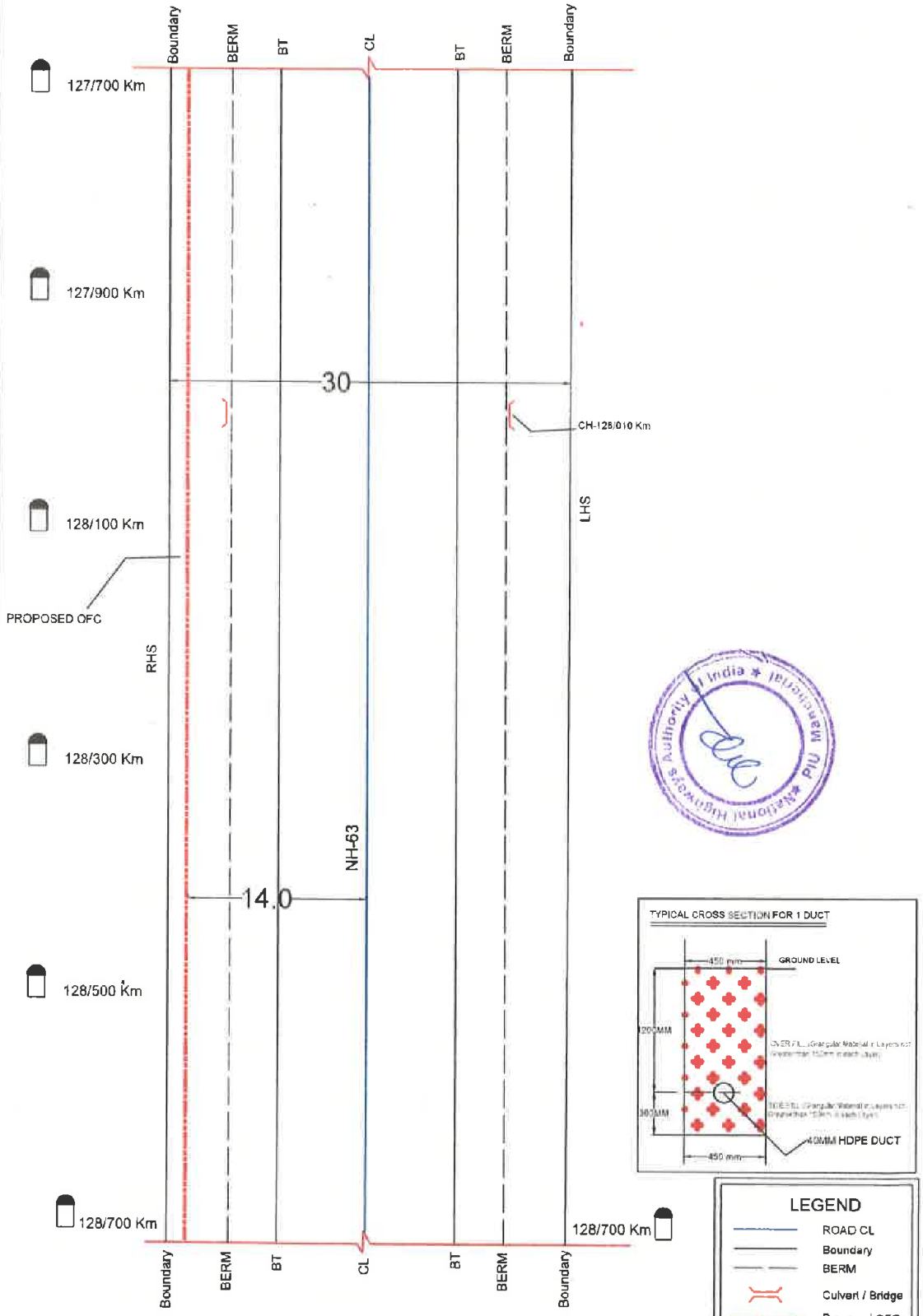
Mandal DHARMAPURI-NH 63-126/700 to 127/700



SECTION LENGTH=1000M

All Dimensions are in Meters

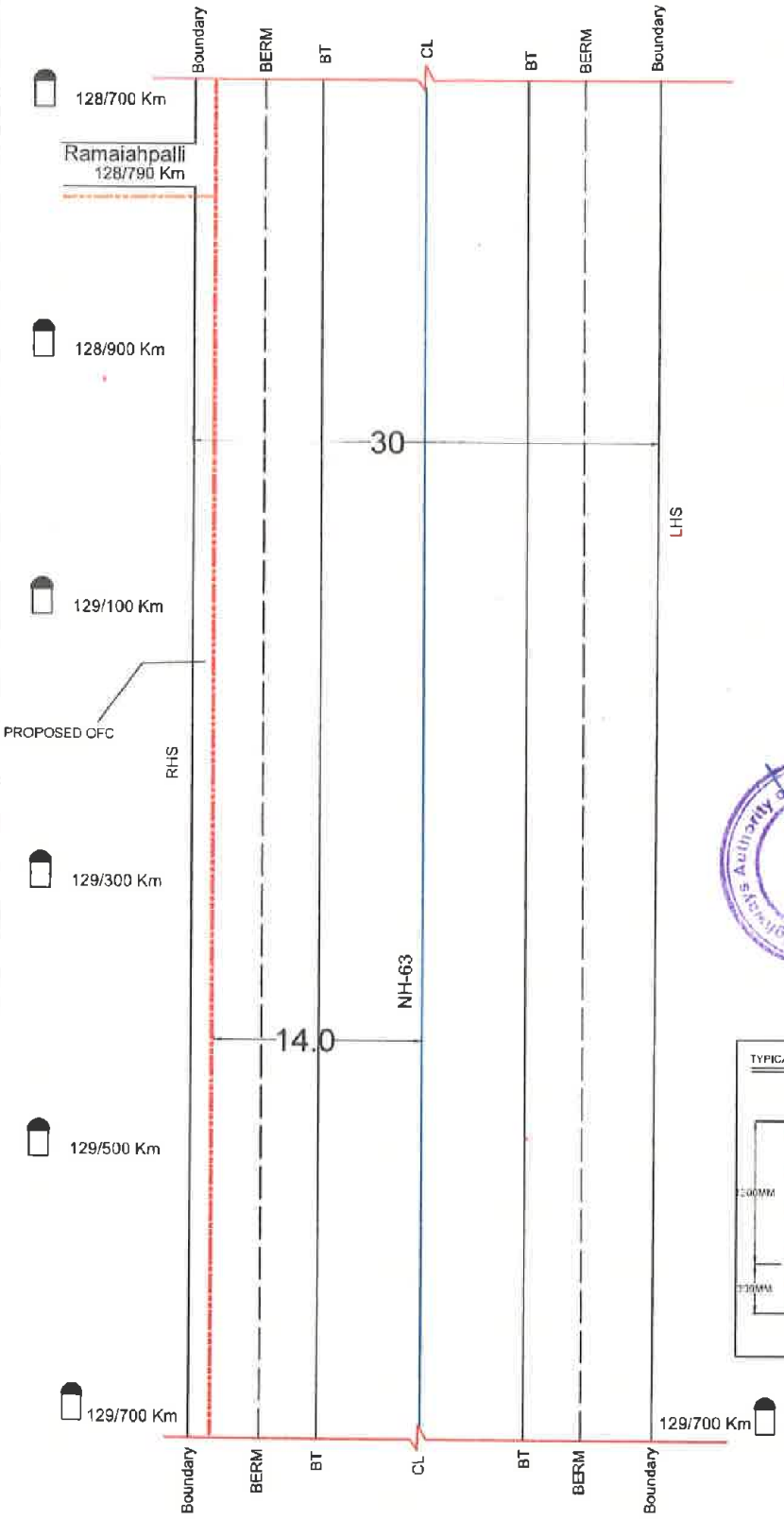
Mandal DHARMAPURI- NH 63-127/700 to 128/700

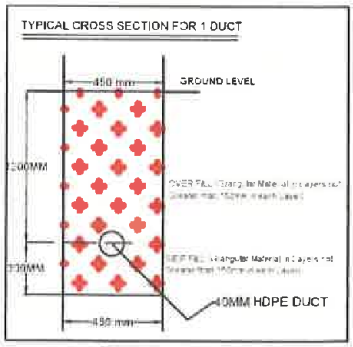


SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal DHARMAPURI- NH 63- 128/700 to 129/700



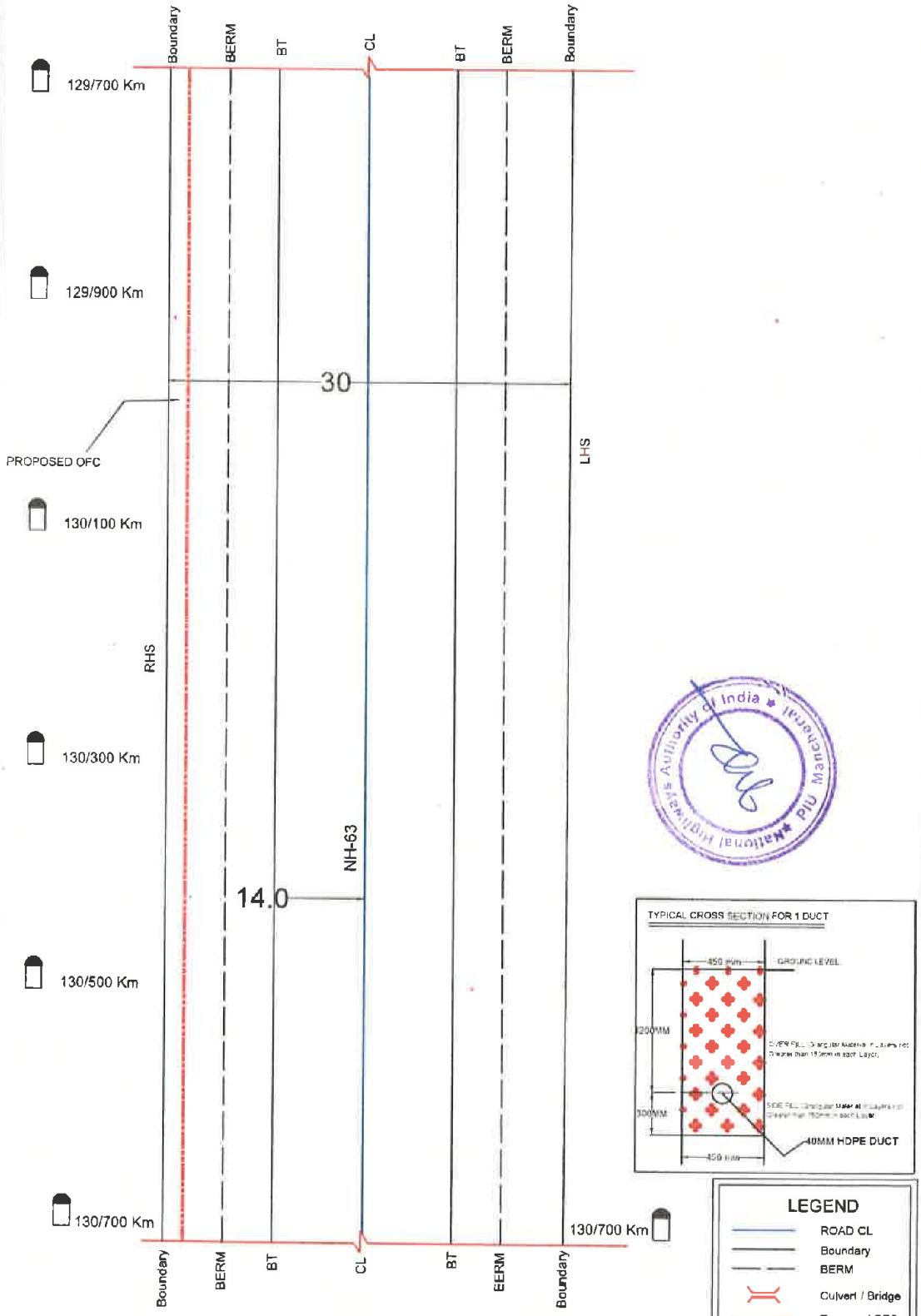


LEGEND	
ROAD CL	
Boundary	
BERM	
Culvert / Bridge	
Proposed OFC	
SCALE	NOT TO SCALE

SECTION LENGTH=1000M

All Dimensions are in Meters

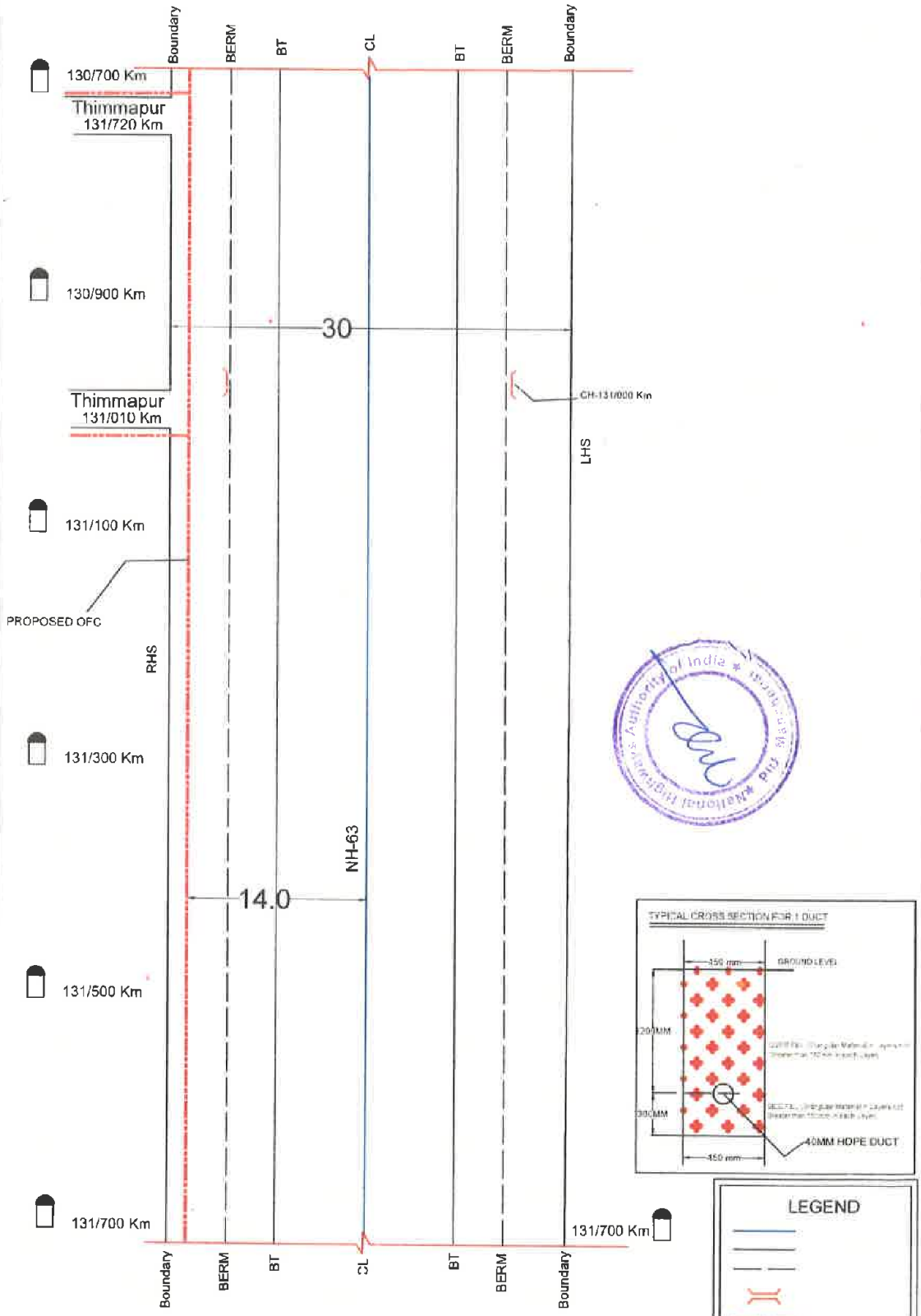
Mandal DHARMAPURI-NH 63-129/700 to 130/700



SECTION LENGTH=1000M

All Dimensions are in Meters

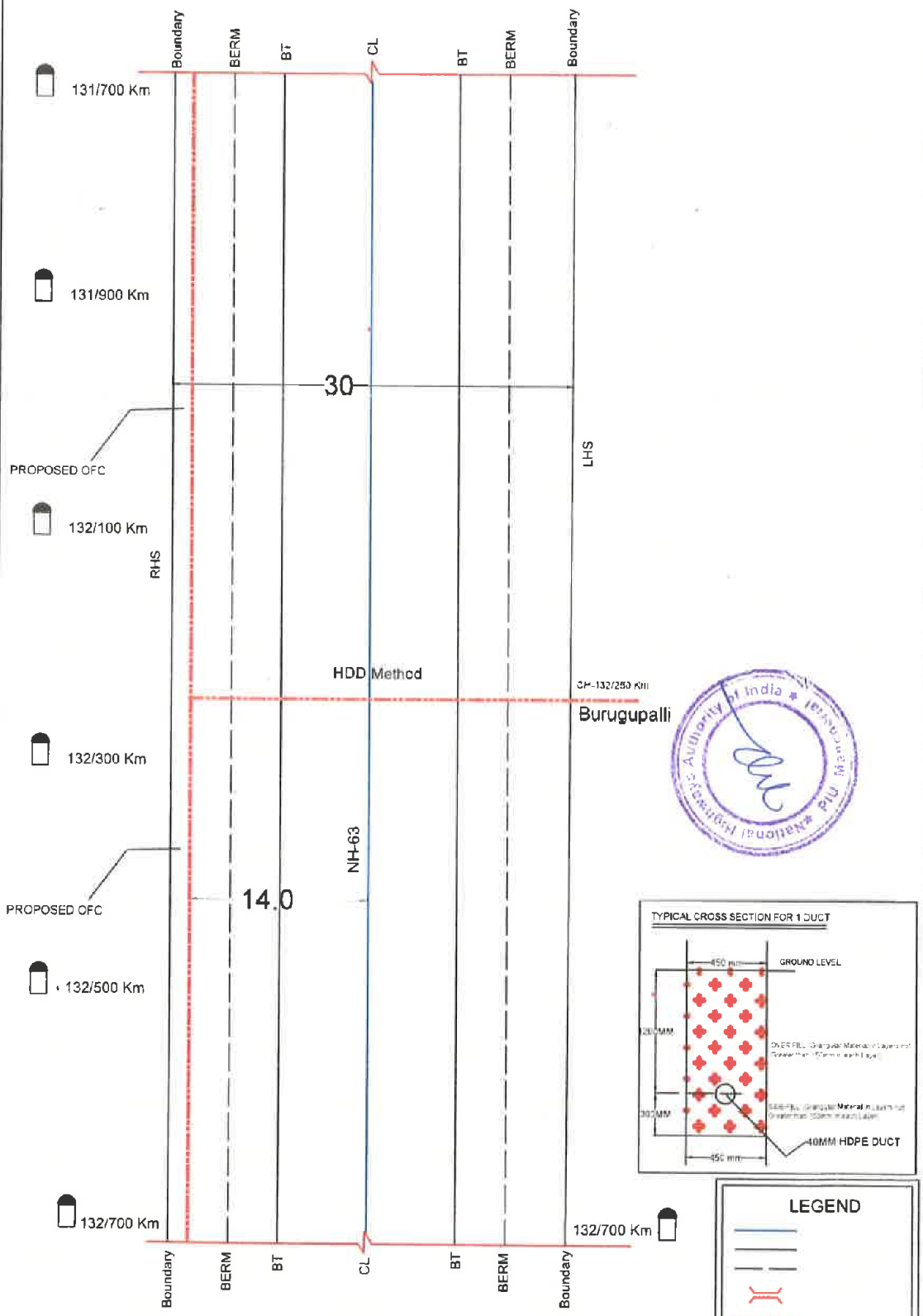
Mandal DHARMAPURI-NH 63-130/700 to 131/700



SECTION LENGTH=1000M

All Dimensions are in Meters

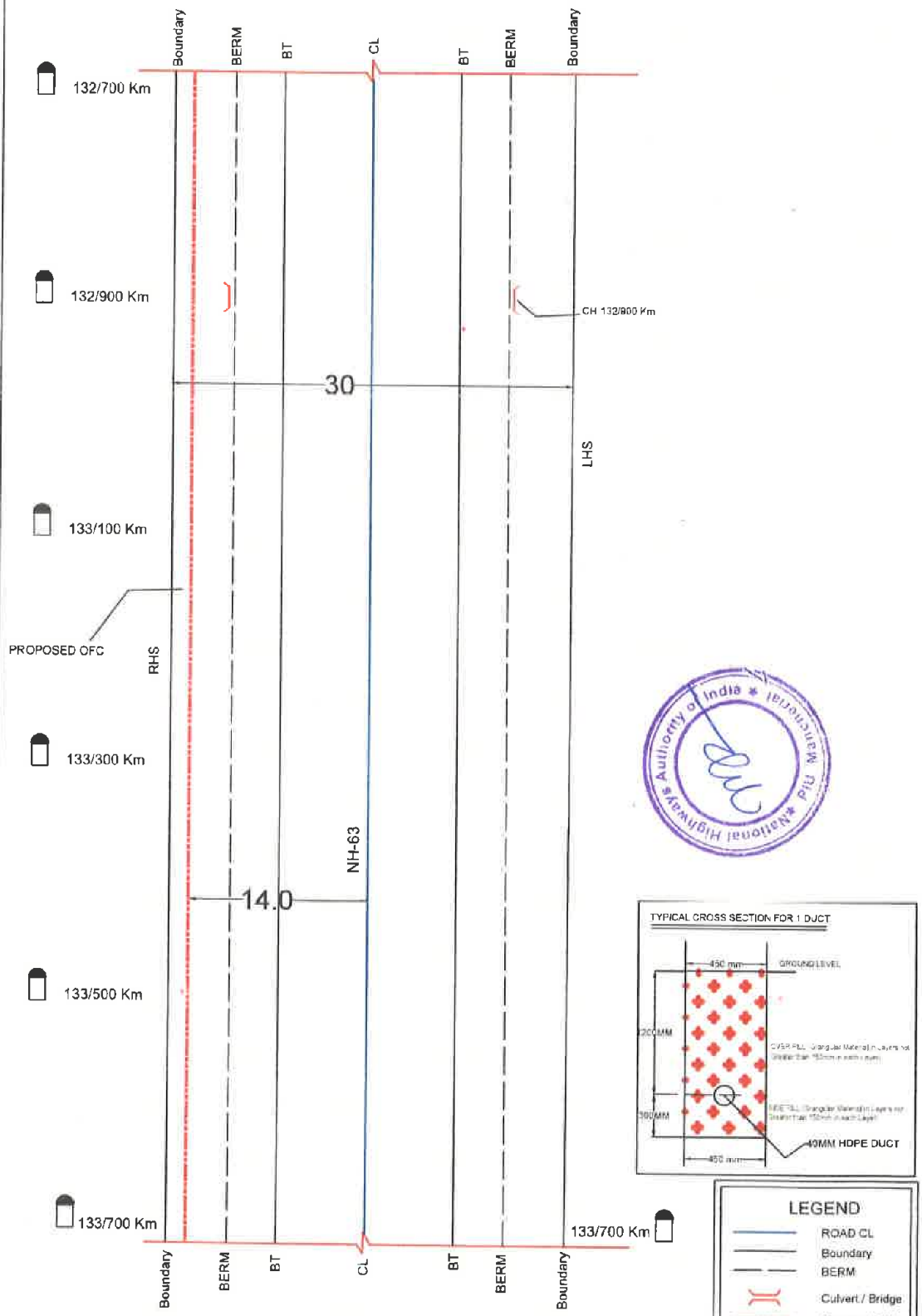
Mandal DHARMAPURI- NH 63-131/700 to 132/700



SECTION LENGTH=1000M

All Dimensions are in Meters

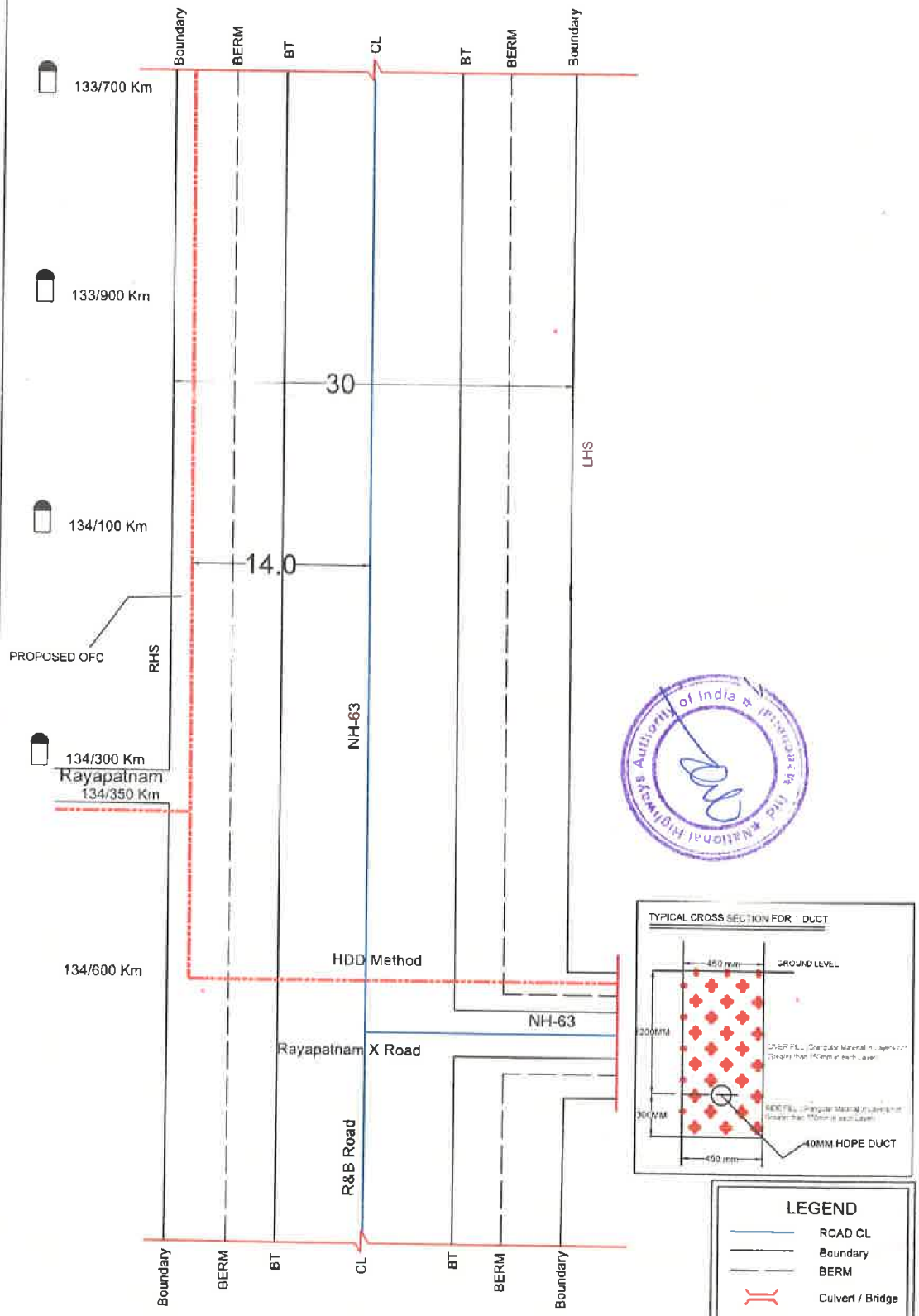
Mandal DHARMAPURI-NH 63-132/700 to 133/700



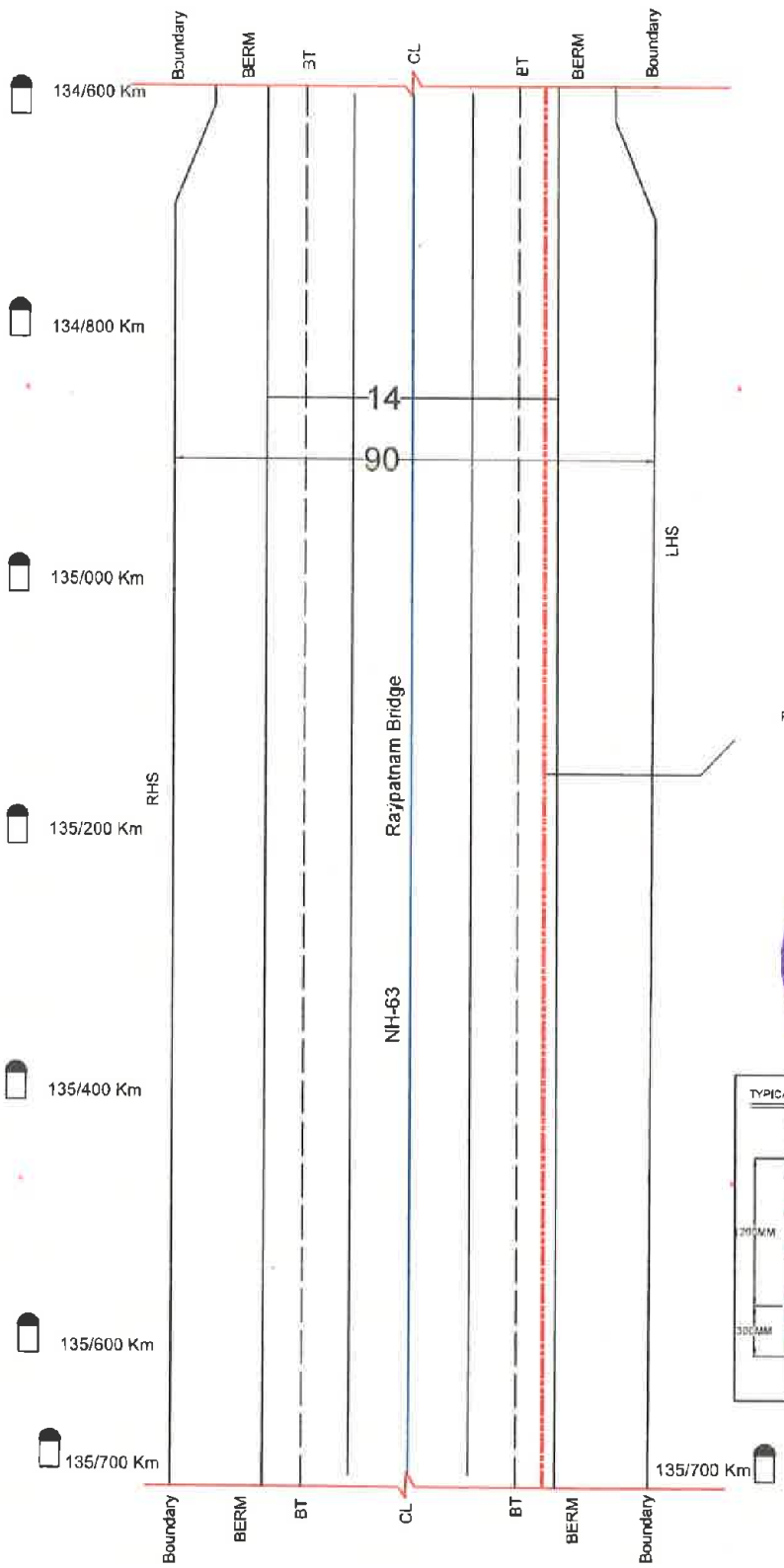
SECTION LENGTH=1000M

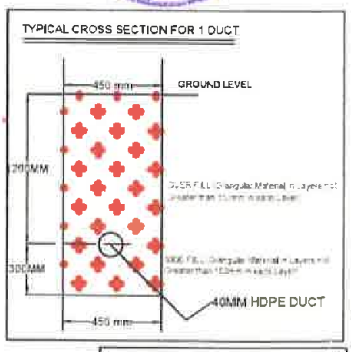
All Dimensions are in Meters

Mandal DHARMAPURI-NH 63- 133/700 to 134/600



Mandal DHARMAPURI- NH 63-134/600 to 135/700



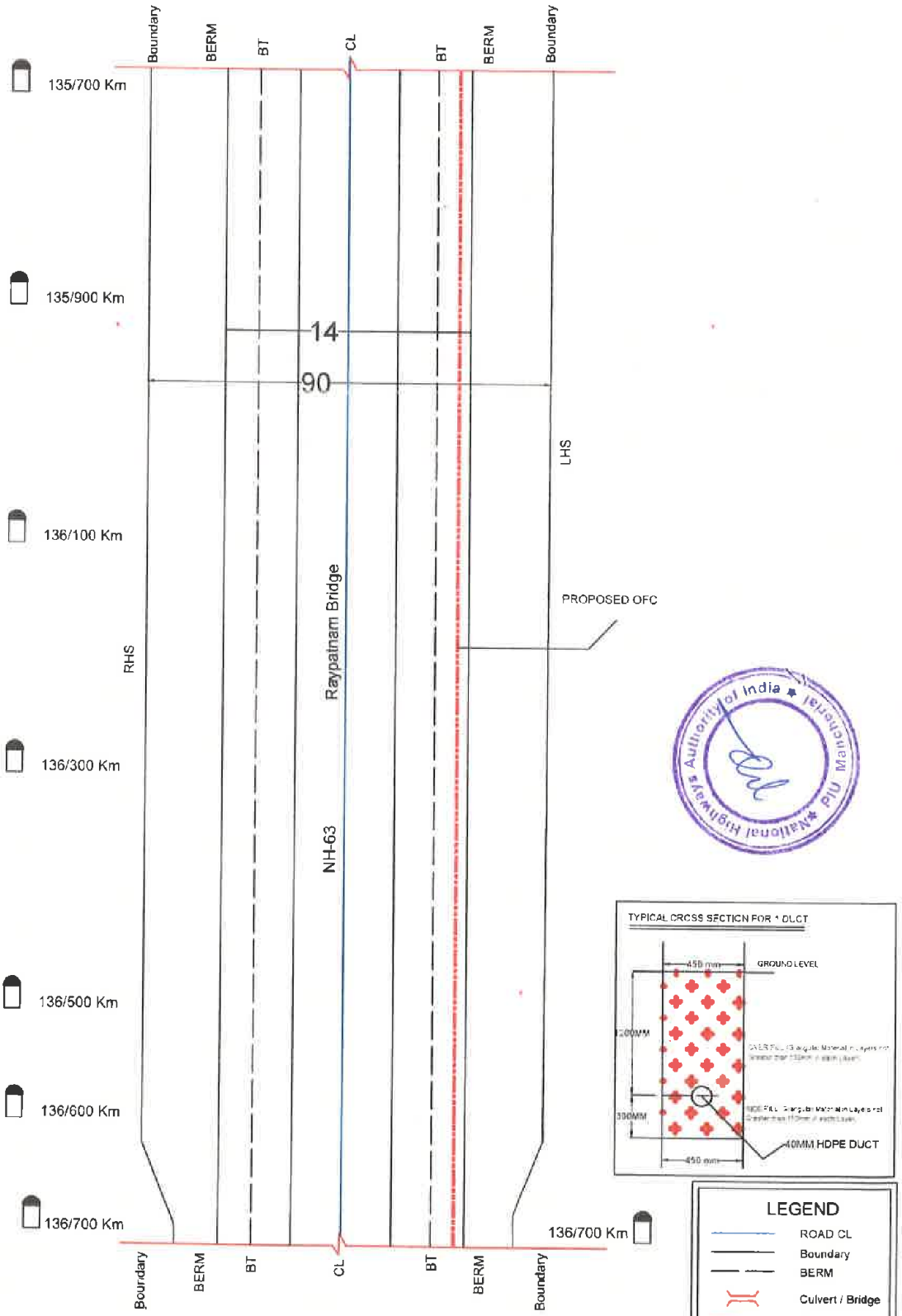


LEGEND	
ROAD CL	
Boundary	
BERM	
Culvert / Bridge	
Proposed OFC	
SCALE	NOT TO SCALE

SECTION LENGTH=1100M

All Dimensions are in Meters

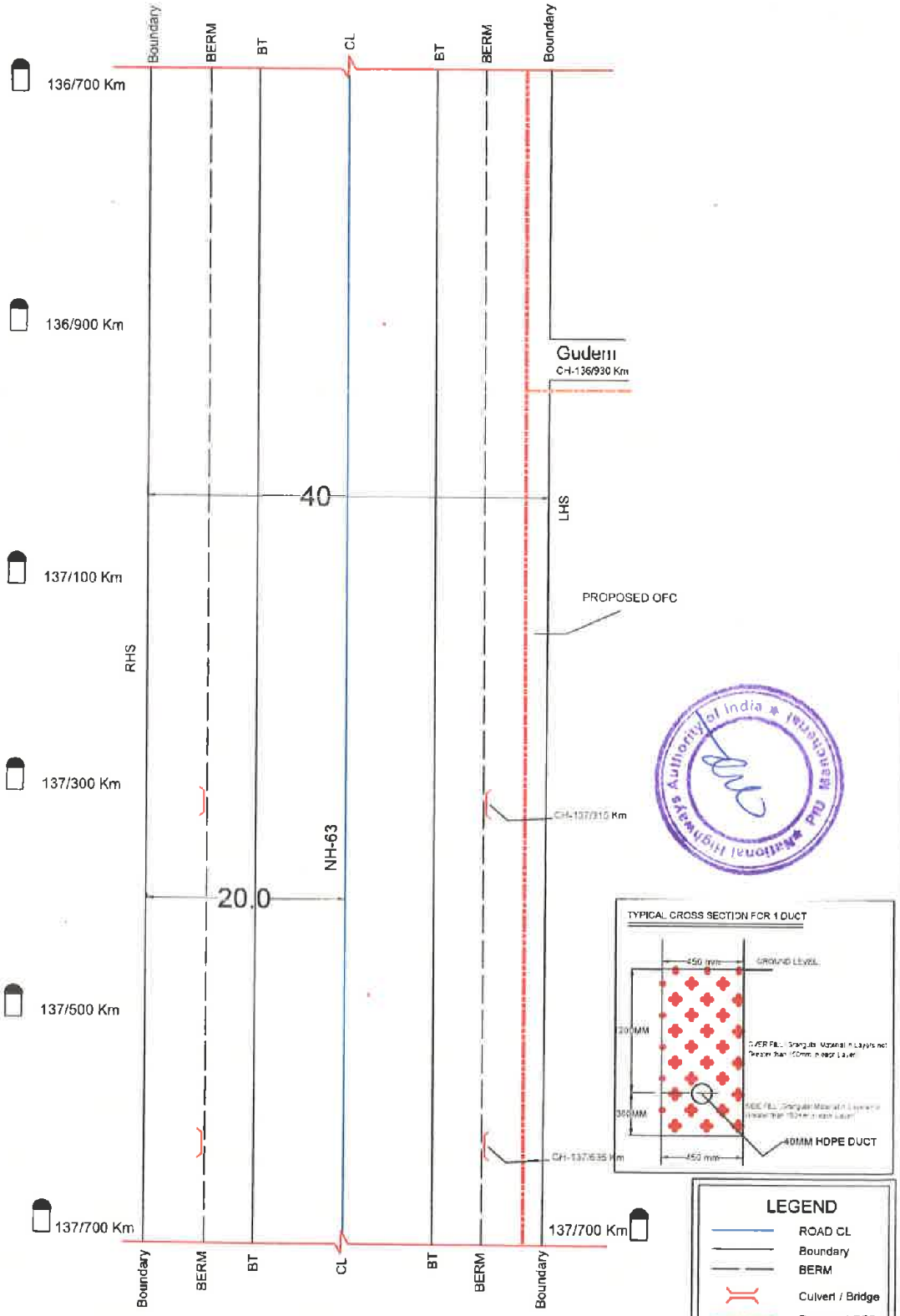
Mandal DHARMAPURI-NH 63-135/700 to 136/700



SECTION LENGTH=1000M

All Dimensions are in Meters

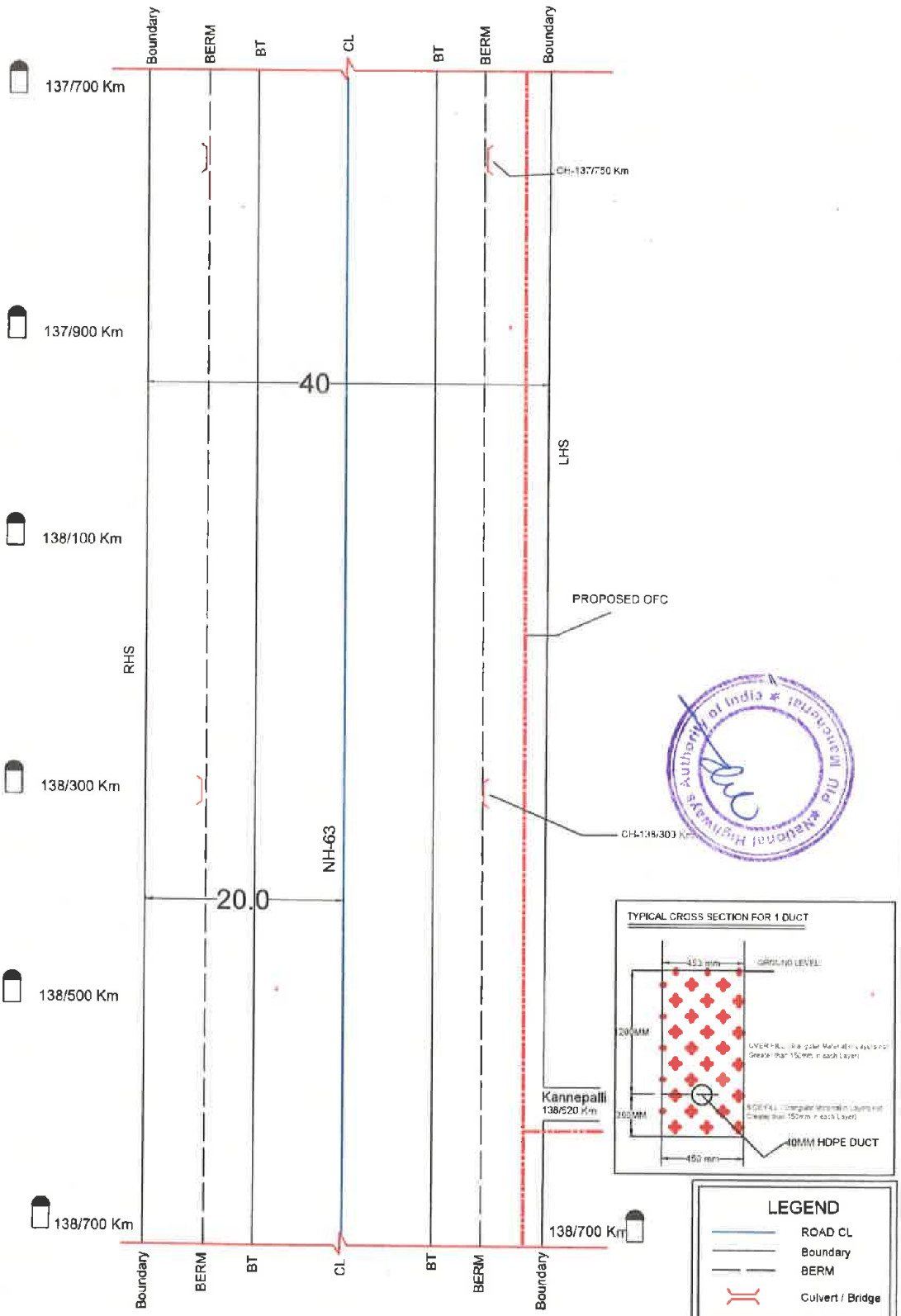
Mandal DANDEPALLY- NH 63 - 136/700 to 137/700



SECTION LENGTH=1000M

All Dimensions are in Meters

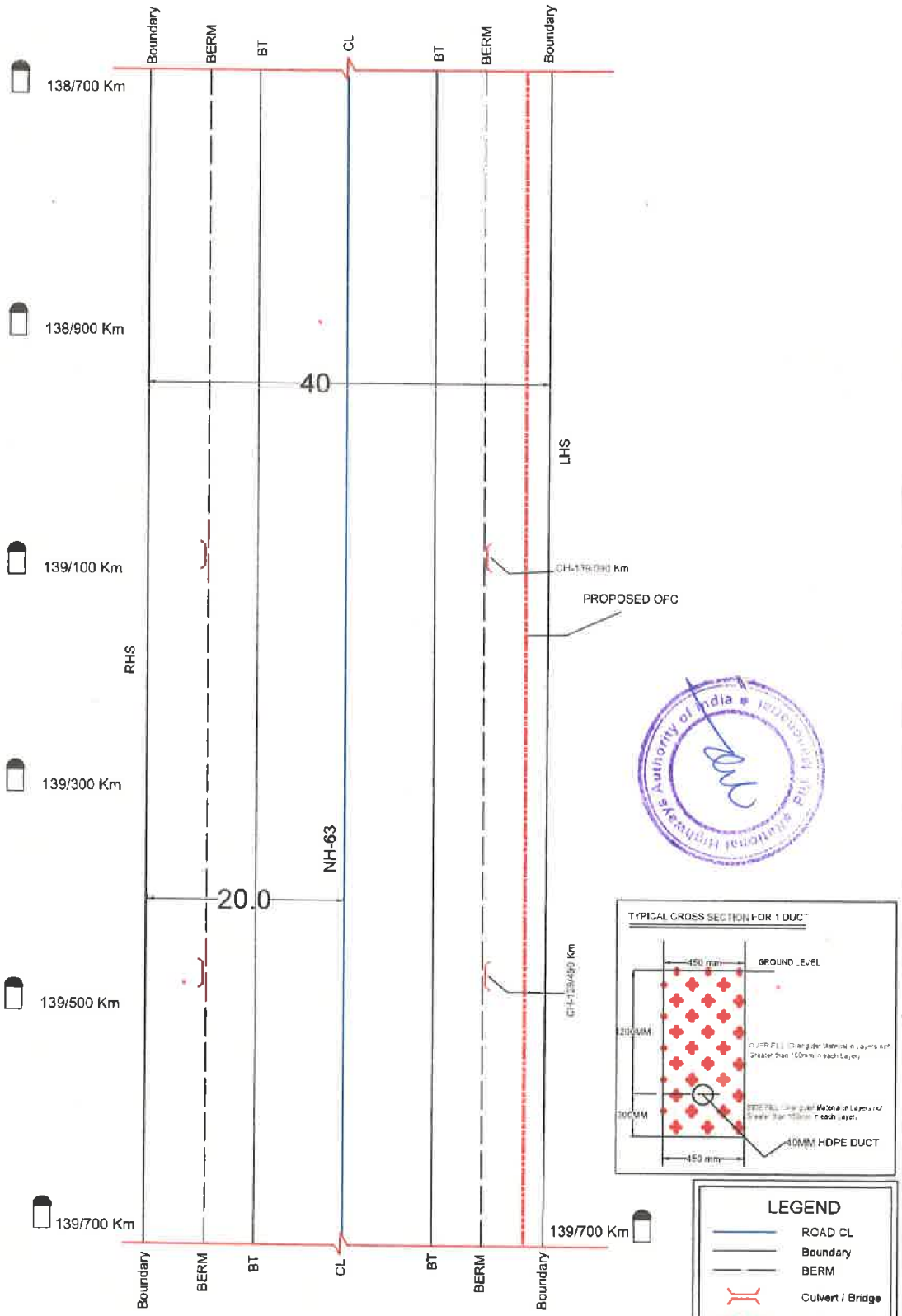
Mandal DANDEPALLY- NH 63 - 137/700 to 138/700



SECTION LENGTH=1000M

All Dimensions are in Meters

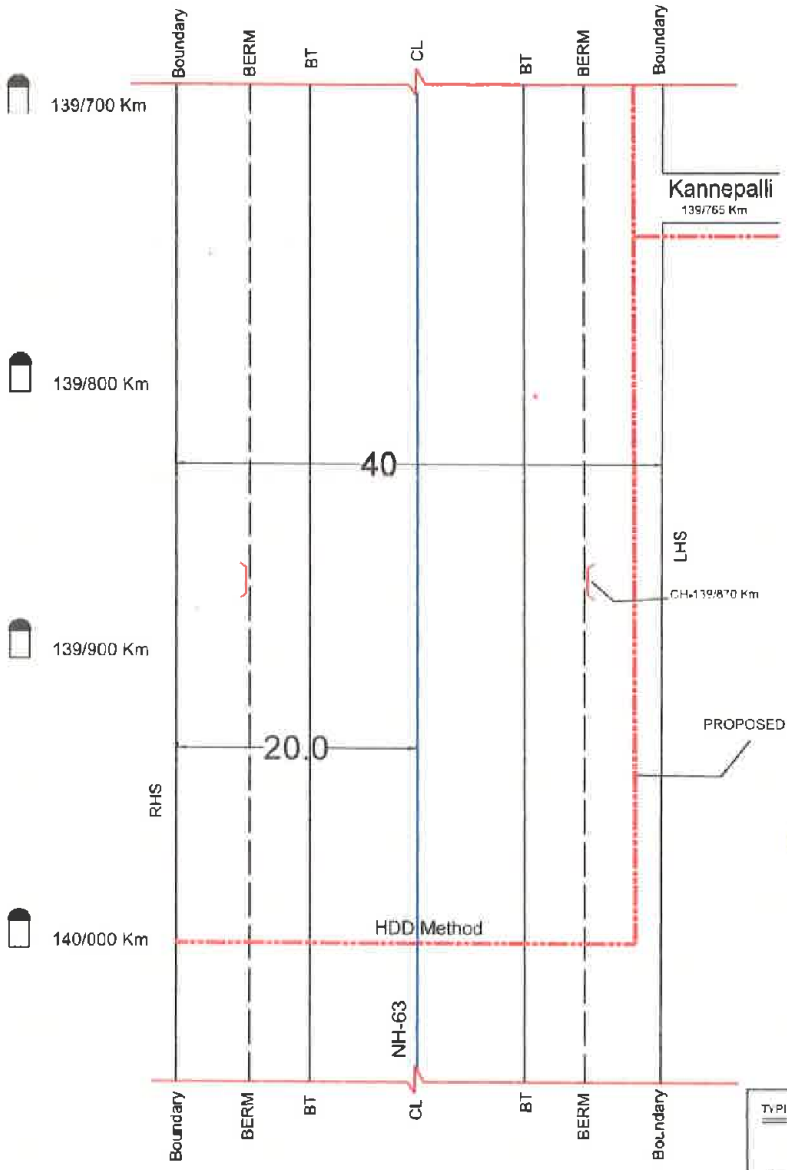
Mandal DANDEPALLY-63 - 138/700 to 139/700

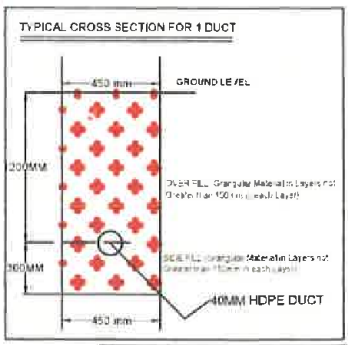


SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal DANDEPALLY- NH 63 - 139/700 to 140/000





LEGEND

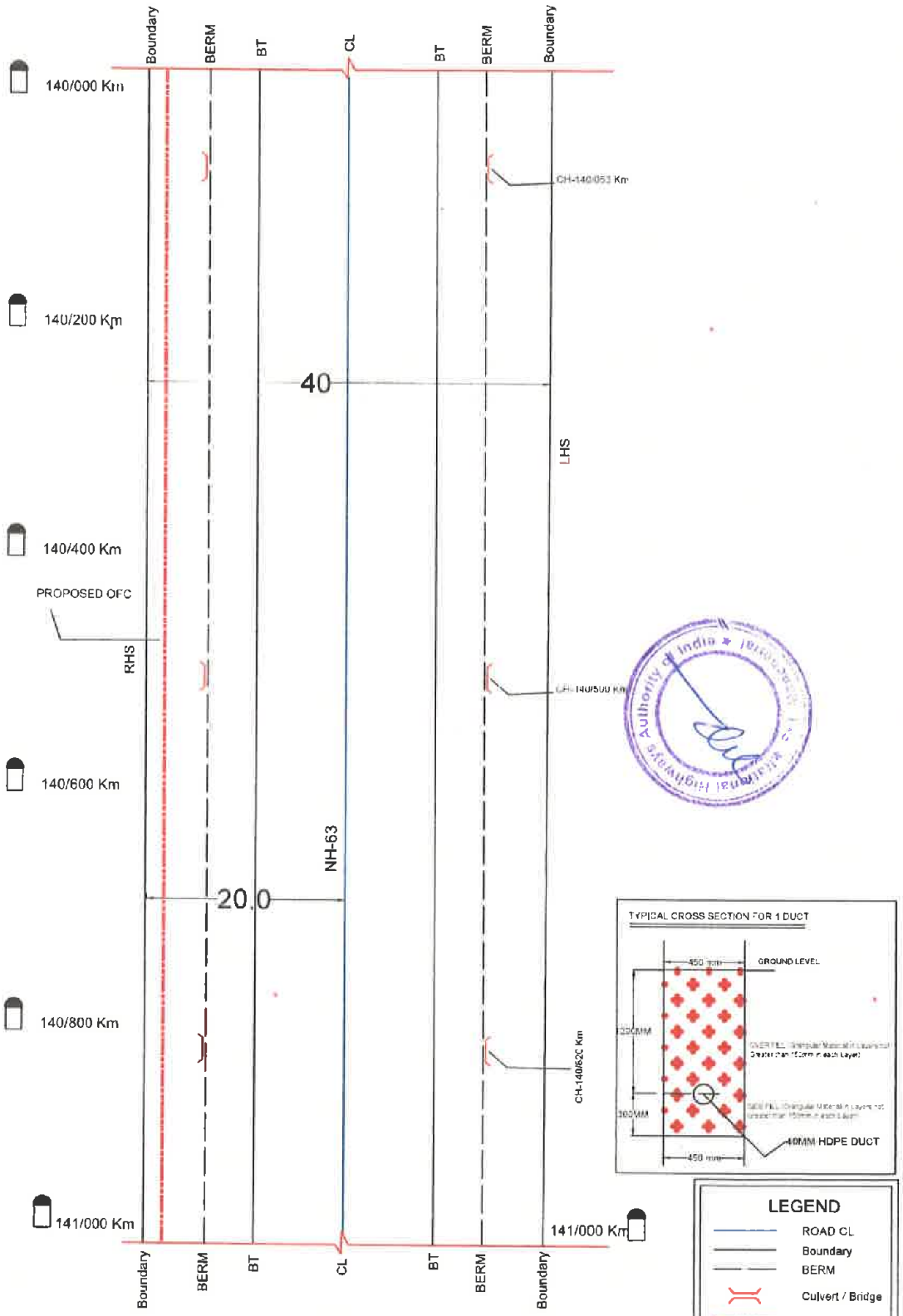
- ROAD CL
- Boundary
- BERM
- Culvert / Bridge
- Proposed OFC

SCALE	NOT TO SCALE

SECTION LENGTH=300M

All Dimensions are in Meters

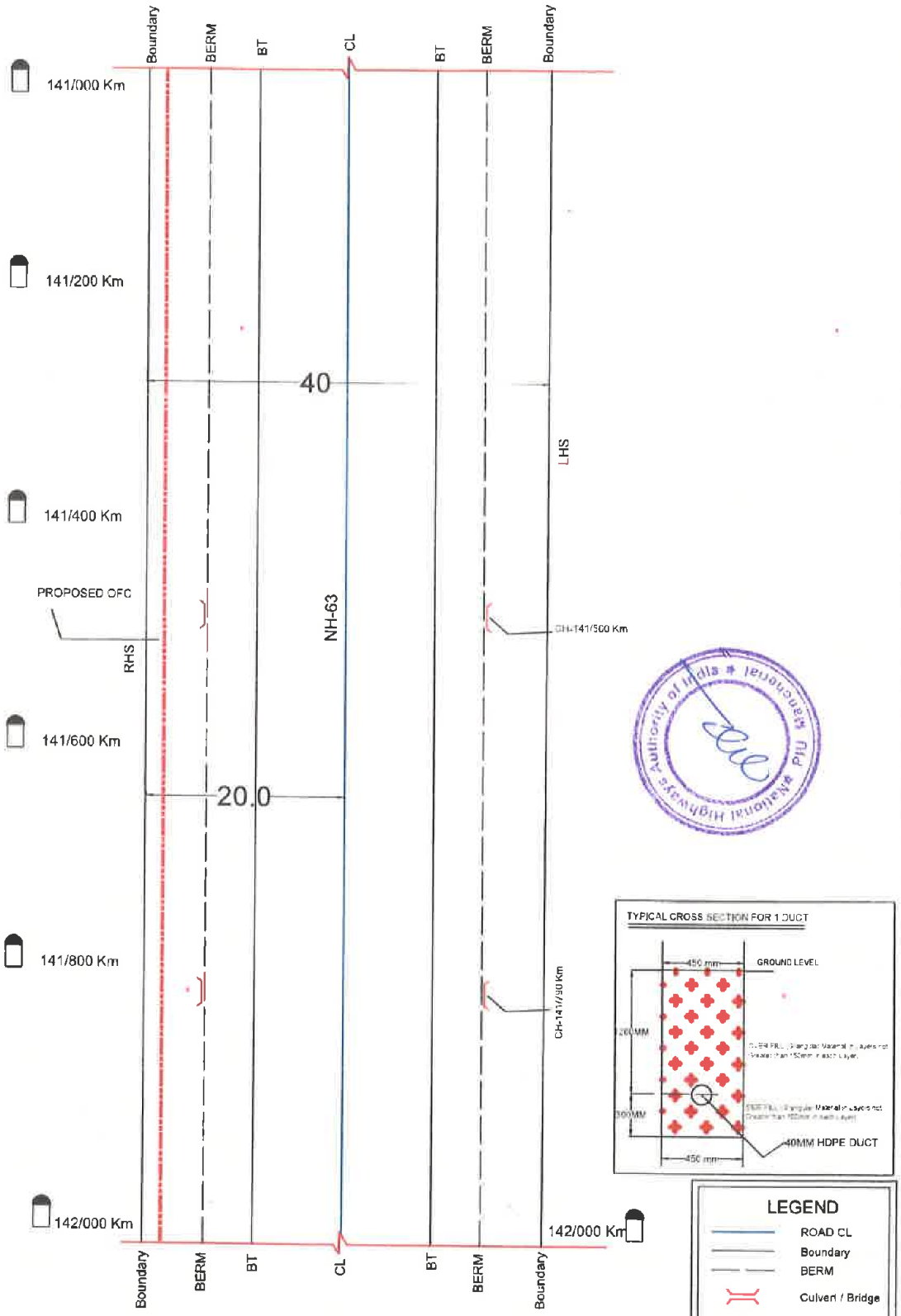
Mandal LUXETTIPET - NH 63 - 140/000 to 141/000



SECTION LENGTH=1000M

All Dimensions are in Meters

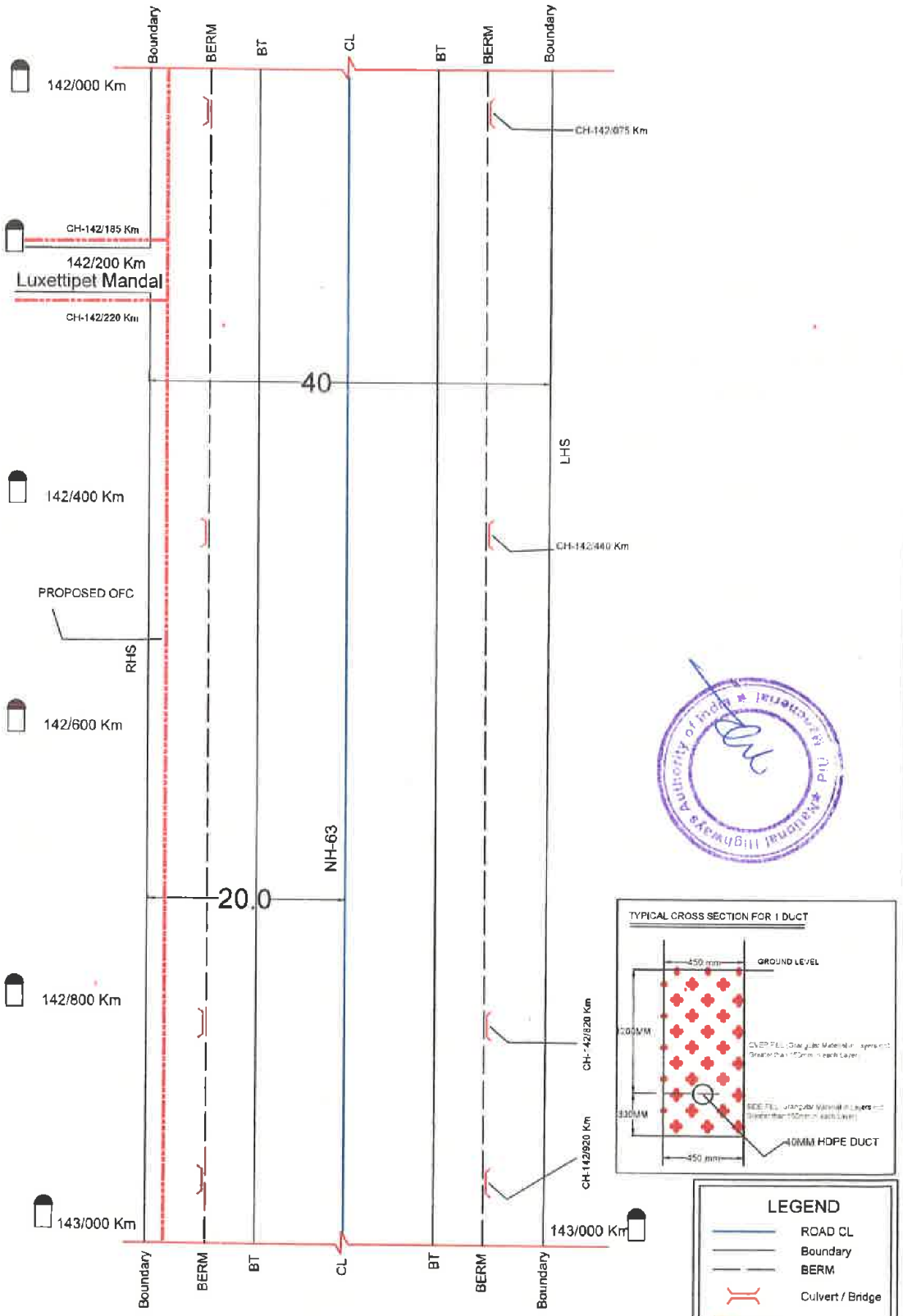
Mandal LUXETTIPET - NH 63 - 141/000 to 142/000



SECTION LENGTH=1000M

All Dimensions are in Meters

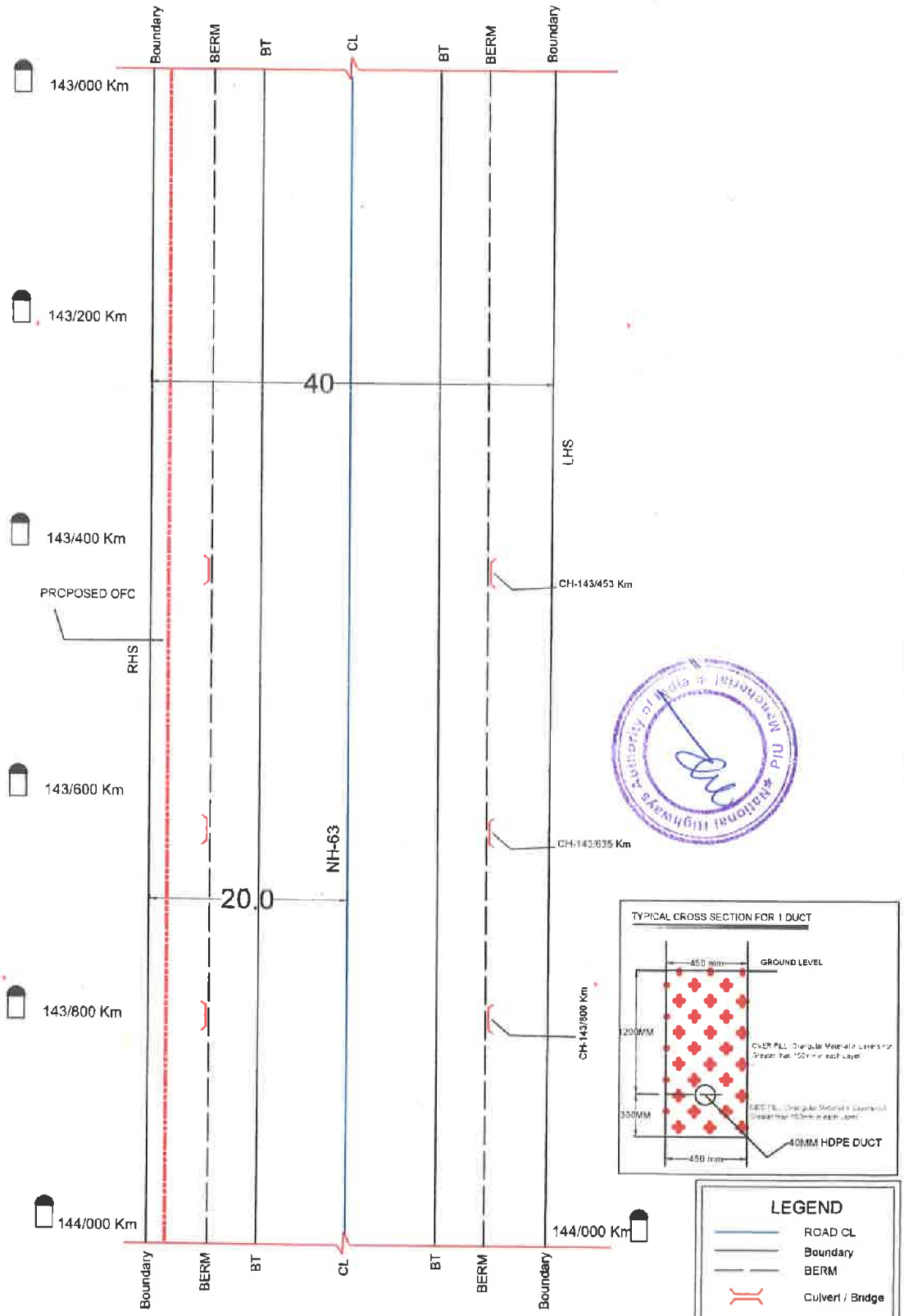
Mandal LUXETTIPET - NH 63 - 142/000 to 143/000



SECTION LENGTH=1000M

All Dimensions are in Meters

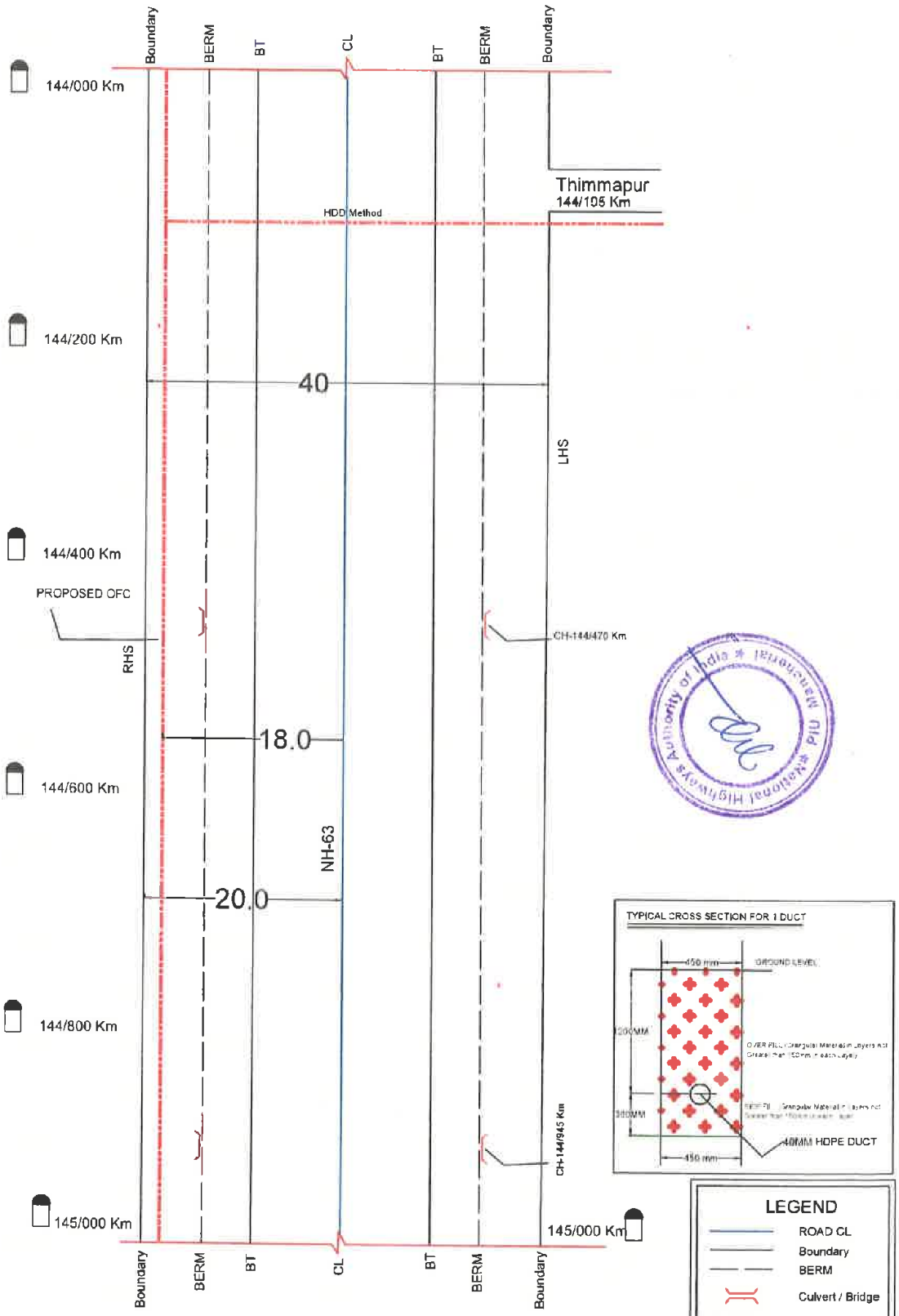
Mandal LUXETTIPET - NH 63 - 143/000 to 144/000



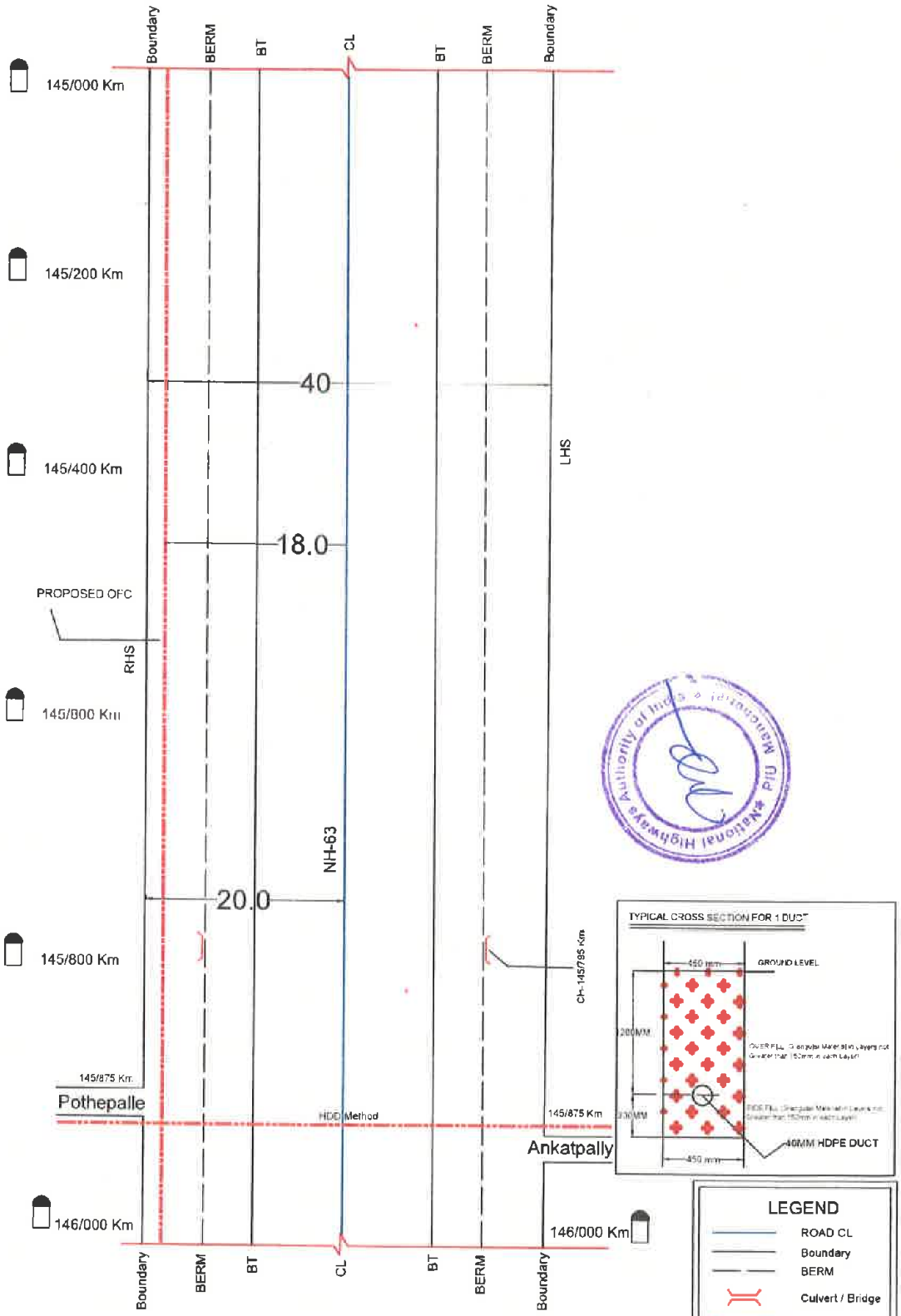
SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal LUXETTIPET - NH 63 - 144/000 to 145/000



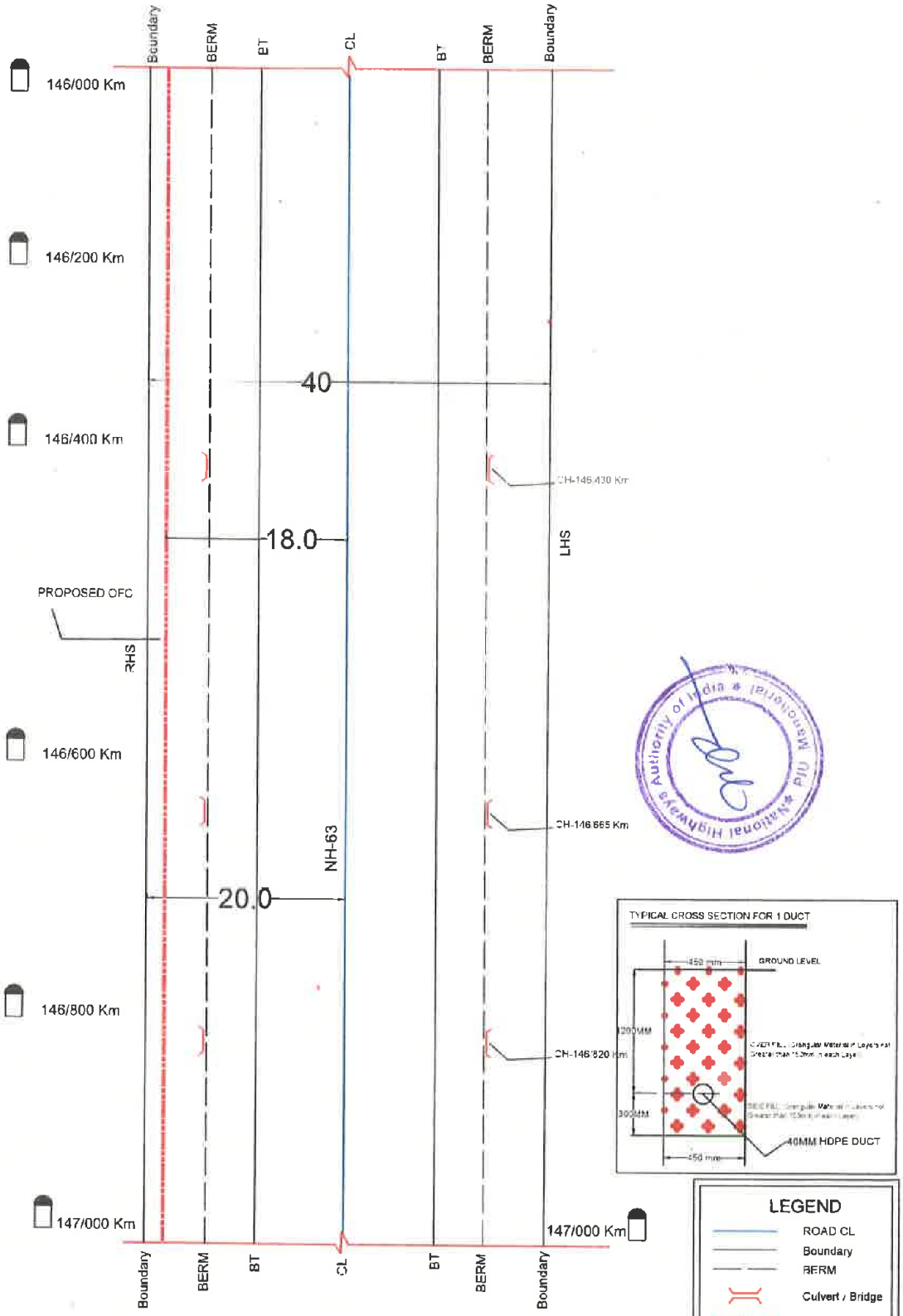
Mandal LUXETTIPET - NH 63 - 145/000 to 146/000



SECTION LENGTH=1000M

All Dimensions are in Meters

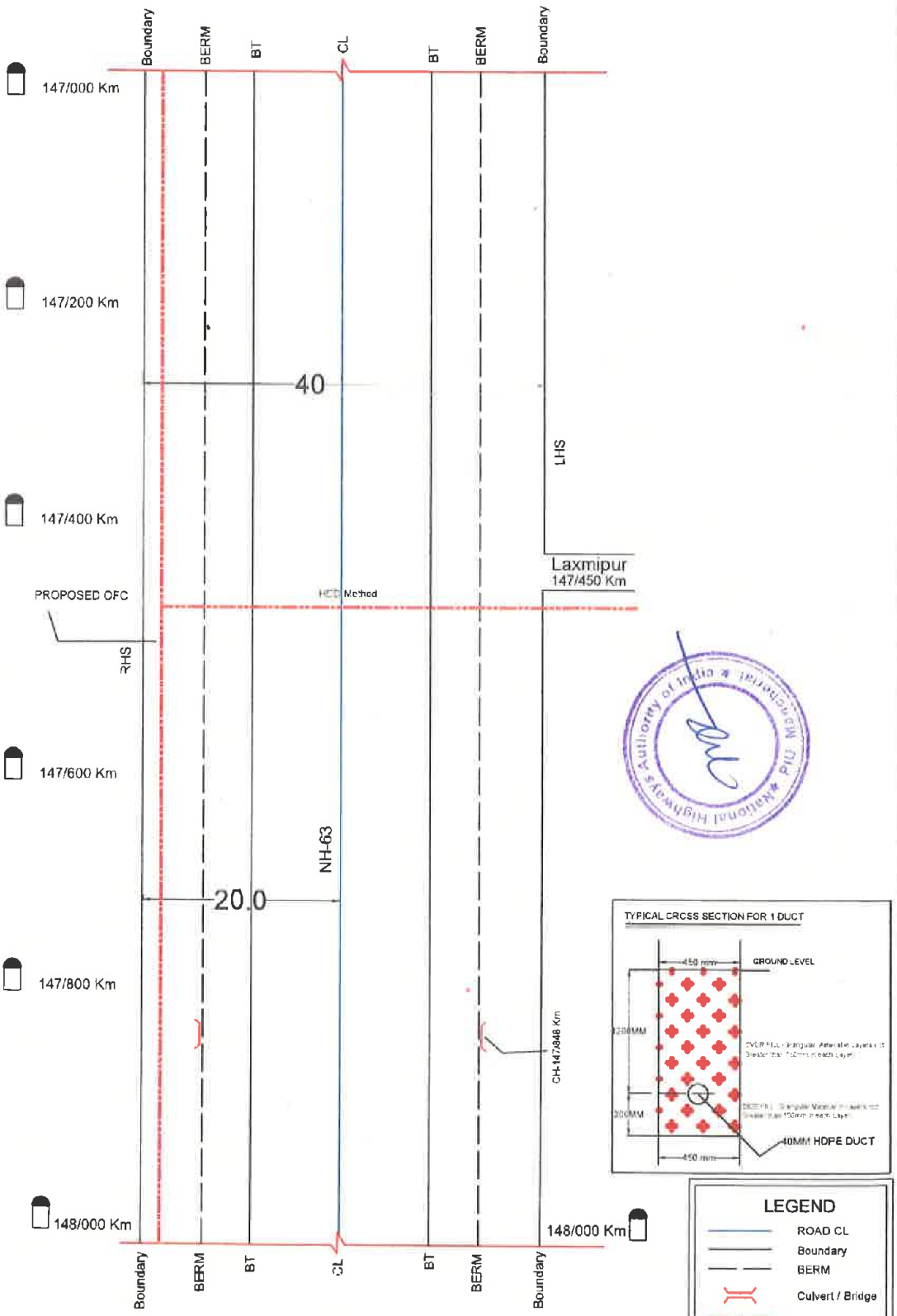
Mandal LUXETTIPET - NH 63 -146/000 to 147/000



SECTION LENGTH=1000M

All Dimensions are in Meters

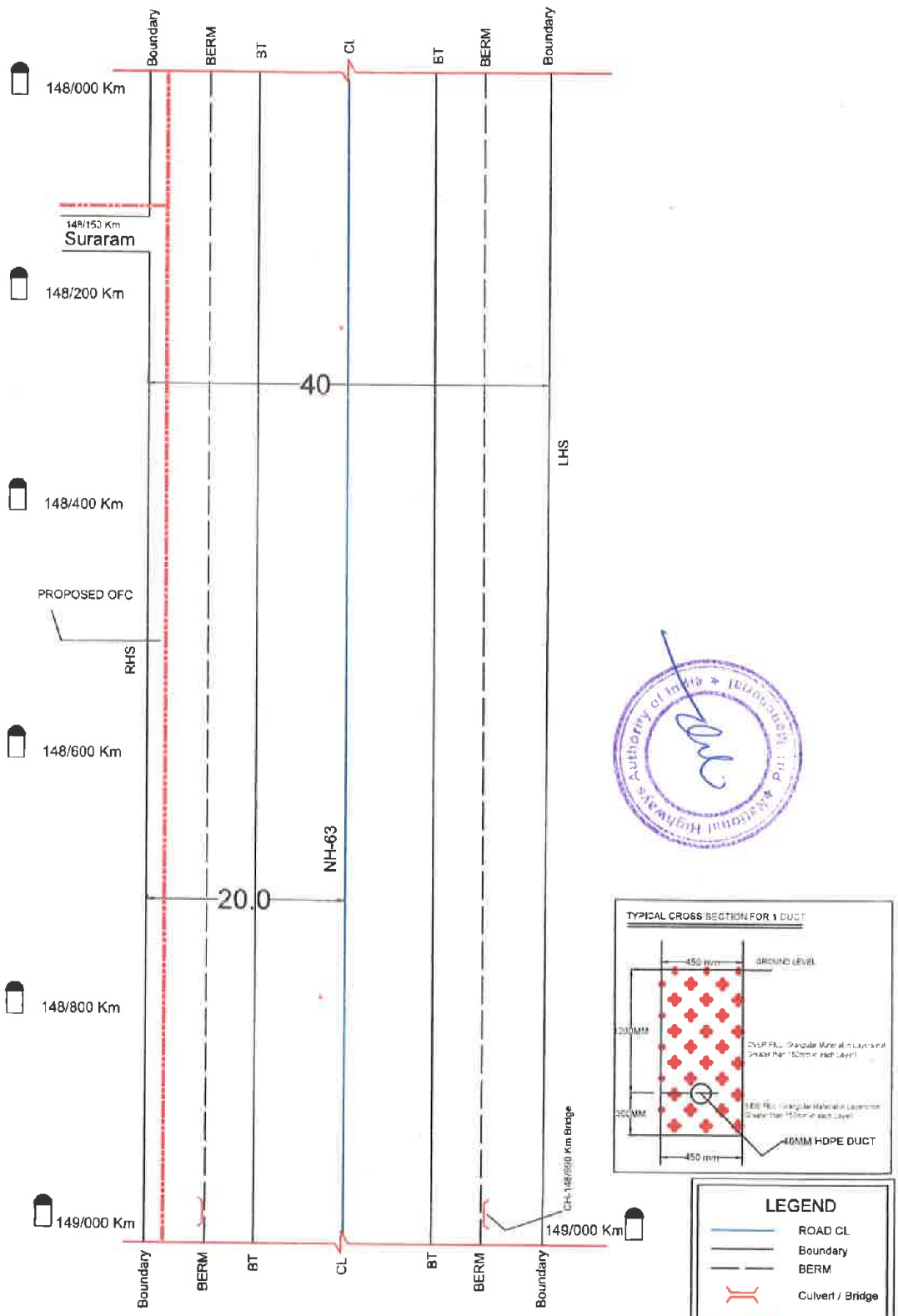
Mandal LUXETTIPET - NH 63 -147/000 to 148/000



SECTION LENGTH=1000M

All Dimensions are in Meters

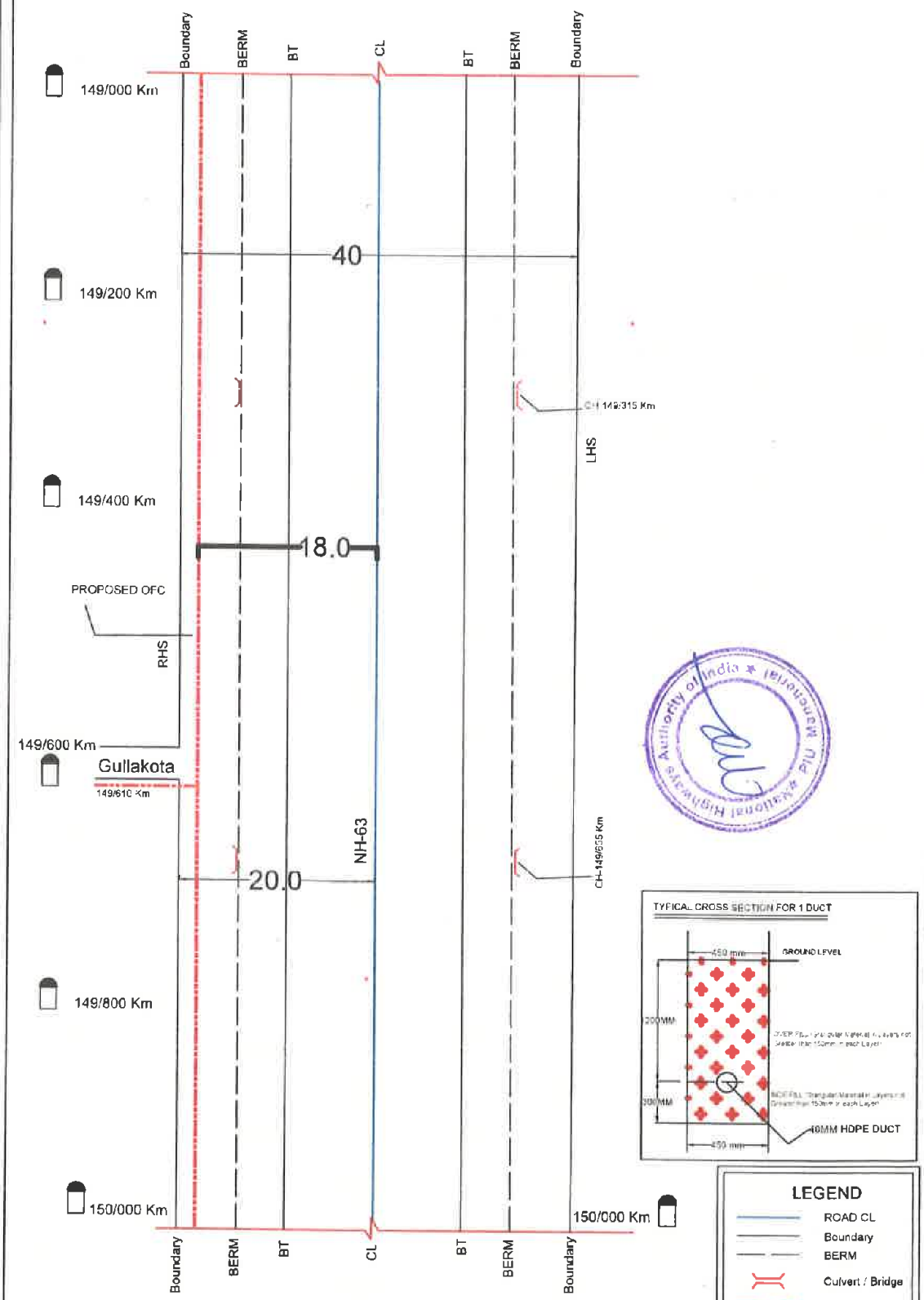
Mandal LUXETTIPET - NH 63 -148/000 to 149/000



SECTION LENGTH=1000M

All Dimensions are in Meters

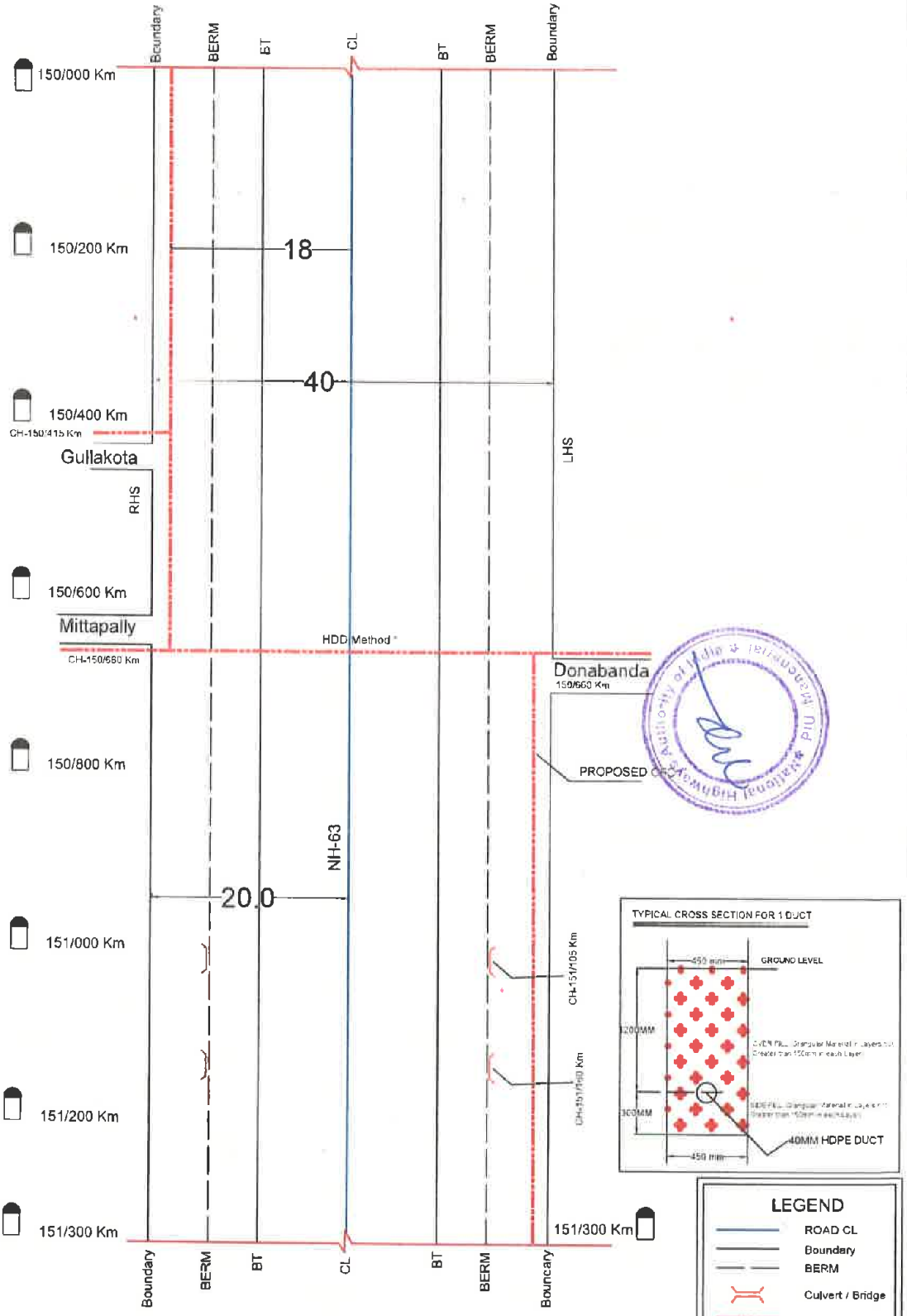
Mandal LUXETTIPET - NH 63 -149/000 to 150/000



SECTION LENGTH=1000M

All Dimensions are in Meters

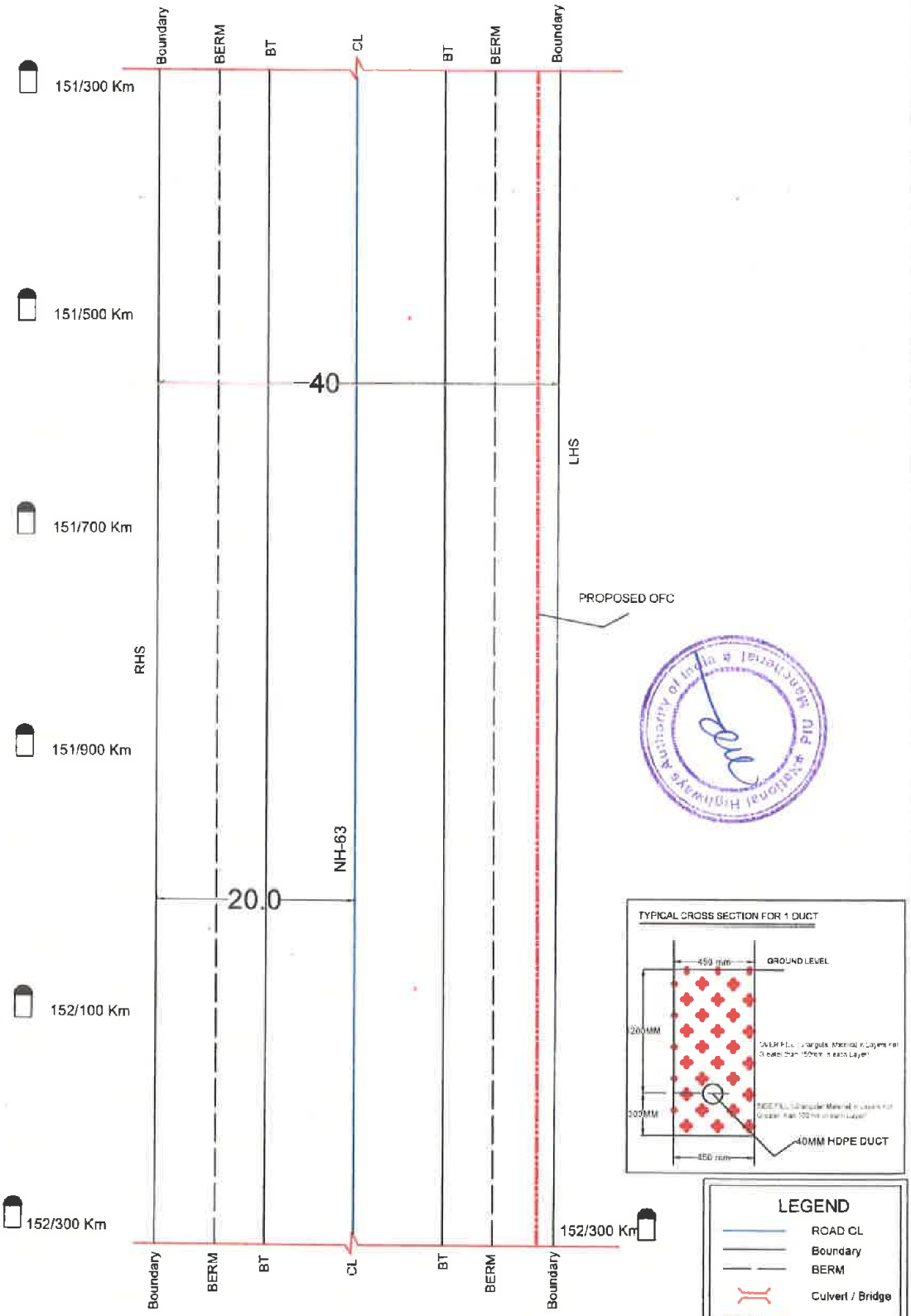
Mandal HAJIPUR- NH 63 -150/000 to 151/300



SECTION LENGTH=1300M

All Dimensions are in Meters

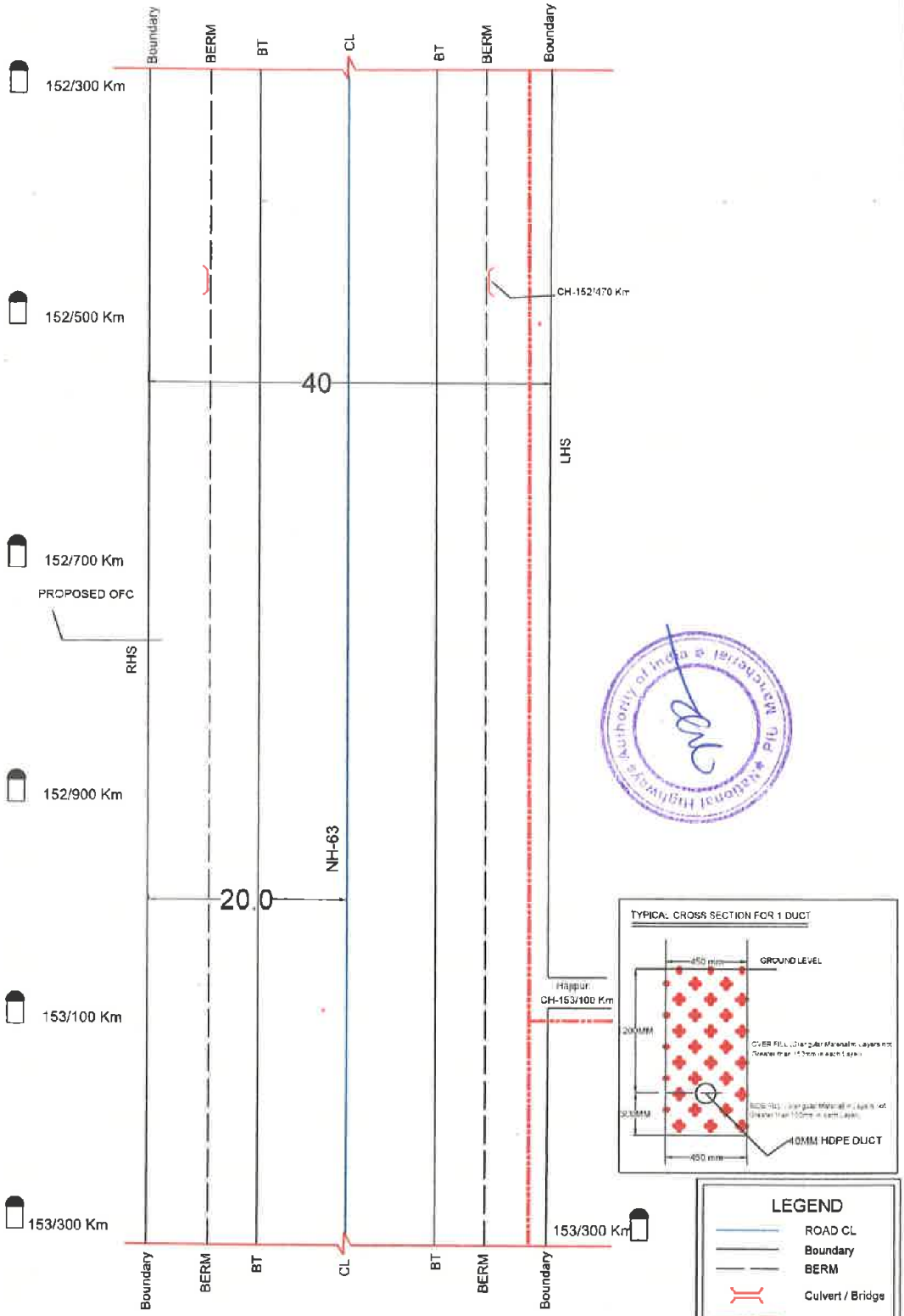
Mandal HAJIPUR- NH 63 -151/300 to 152/300



SECTION LENGTH=1000M

All Dimensions are in Meters

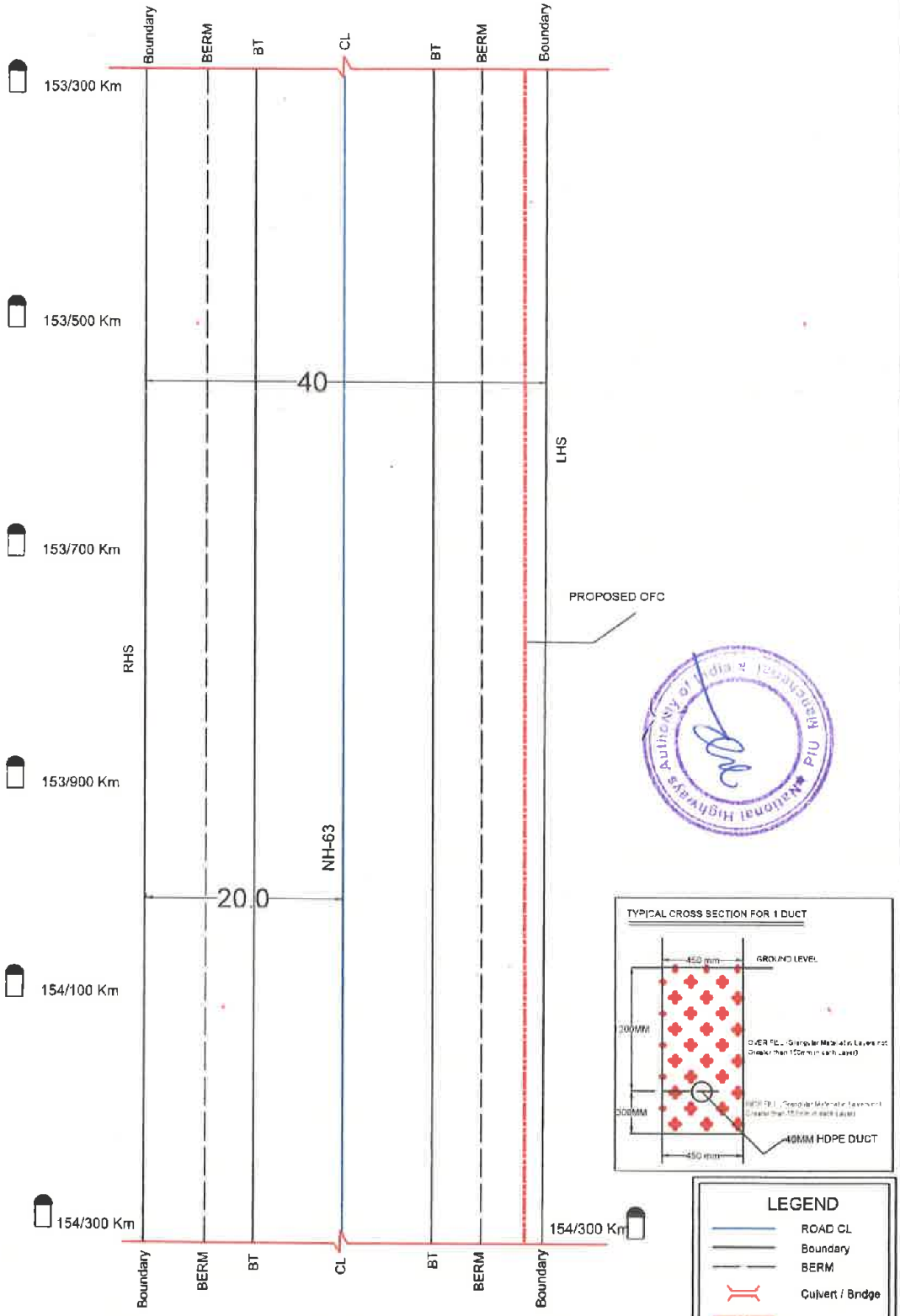
Mandal HAJIPUR- NH 63 -152/300 to 153/300



SECTION LENGTH=1000M

All Dimensions are in Meters

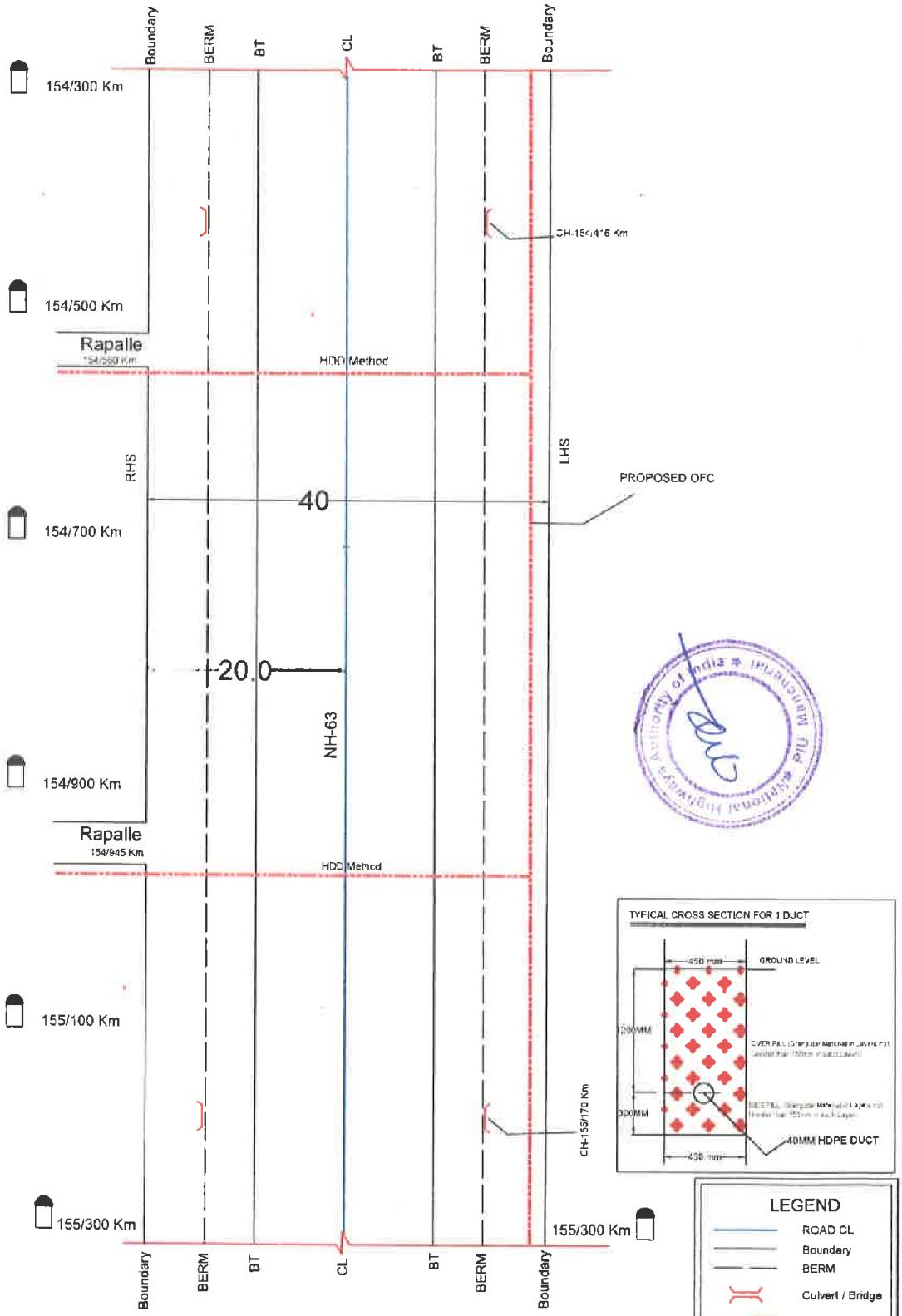
Mandal HAJIPUR- NH 63 -153/300 to 154/300



SECTION LENGTH=1000M

All Dimensions are in Meters

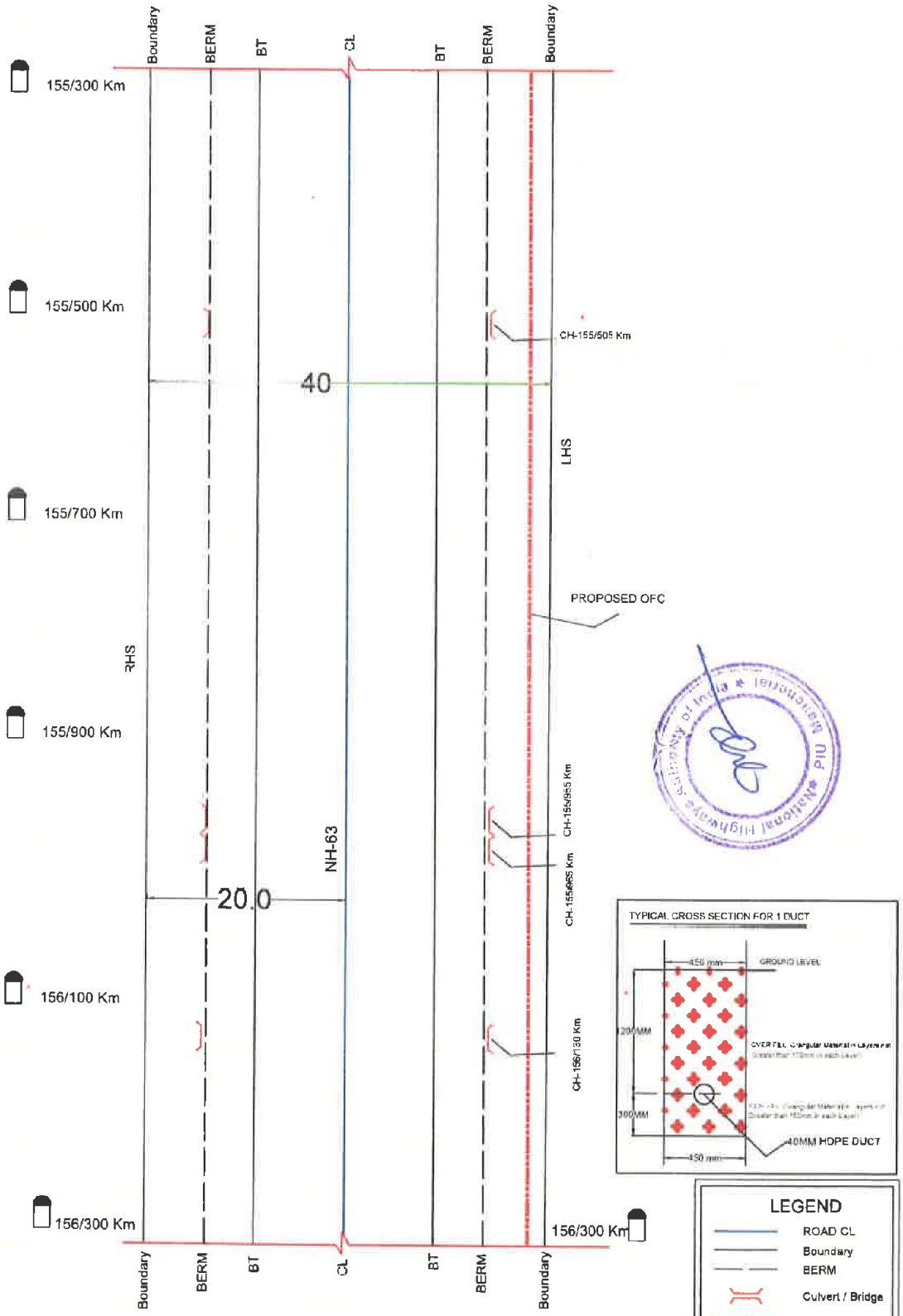
Mandal HAJIPUR- NH 63 -154/300 to 155/300



SECTION LENGTH=1000M

All Dimensions are in Meters

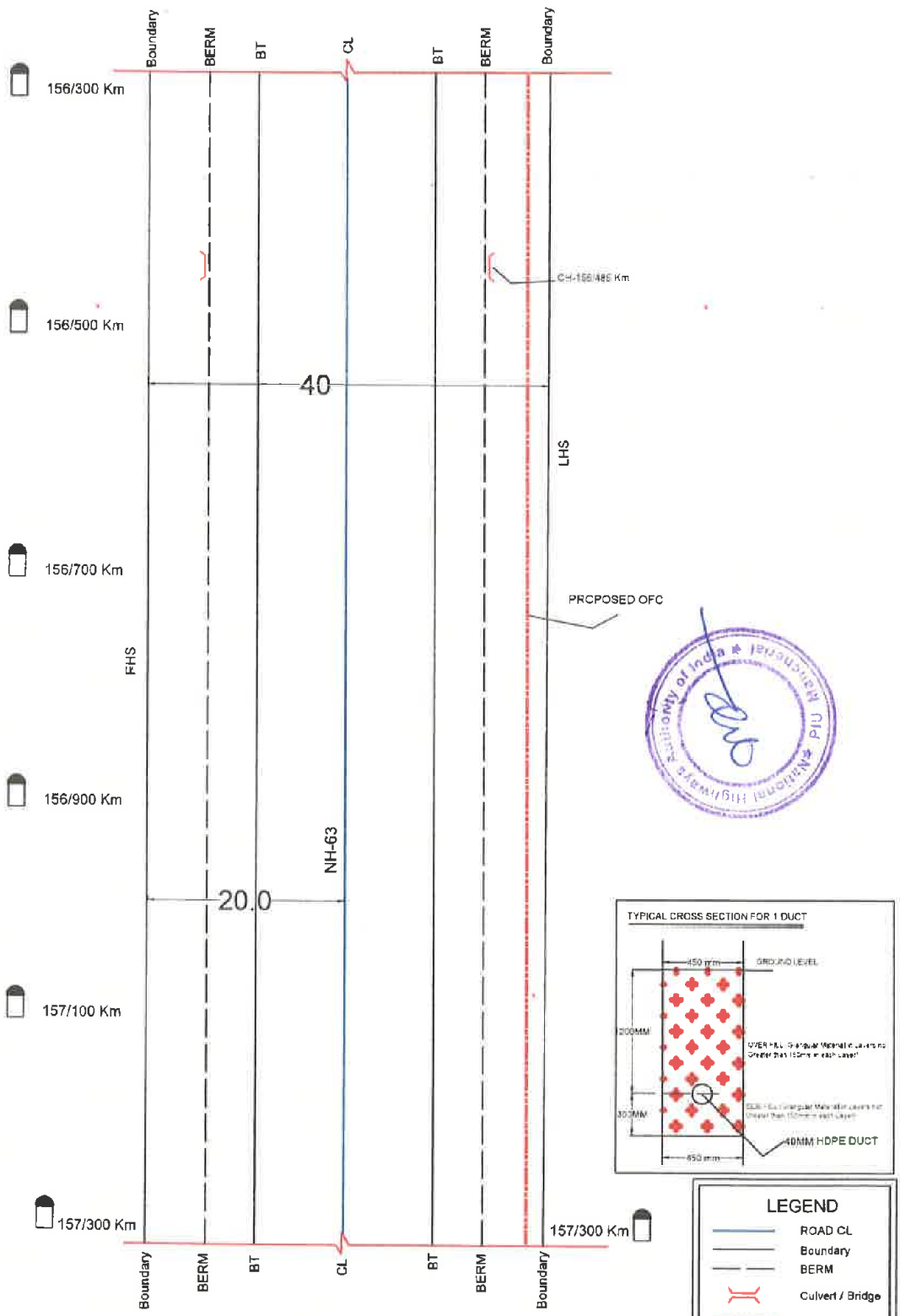
Mandal HAJIPUR- NH 63 -155/300 to 156/300



SECTION LENGTH=1000M

All Dimensions are in Meters

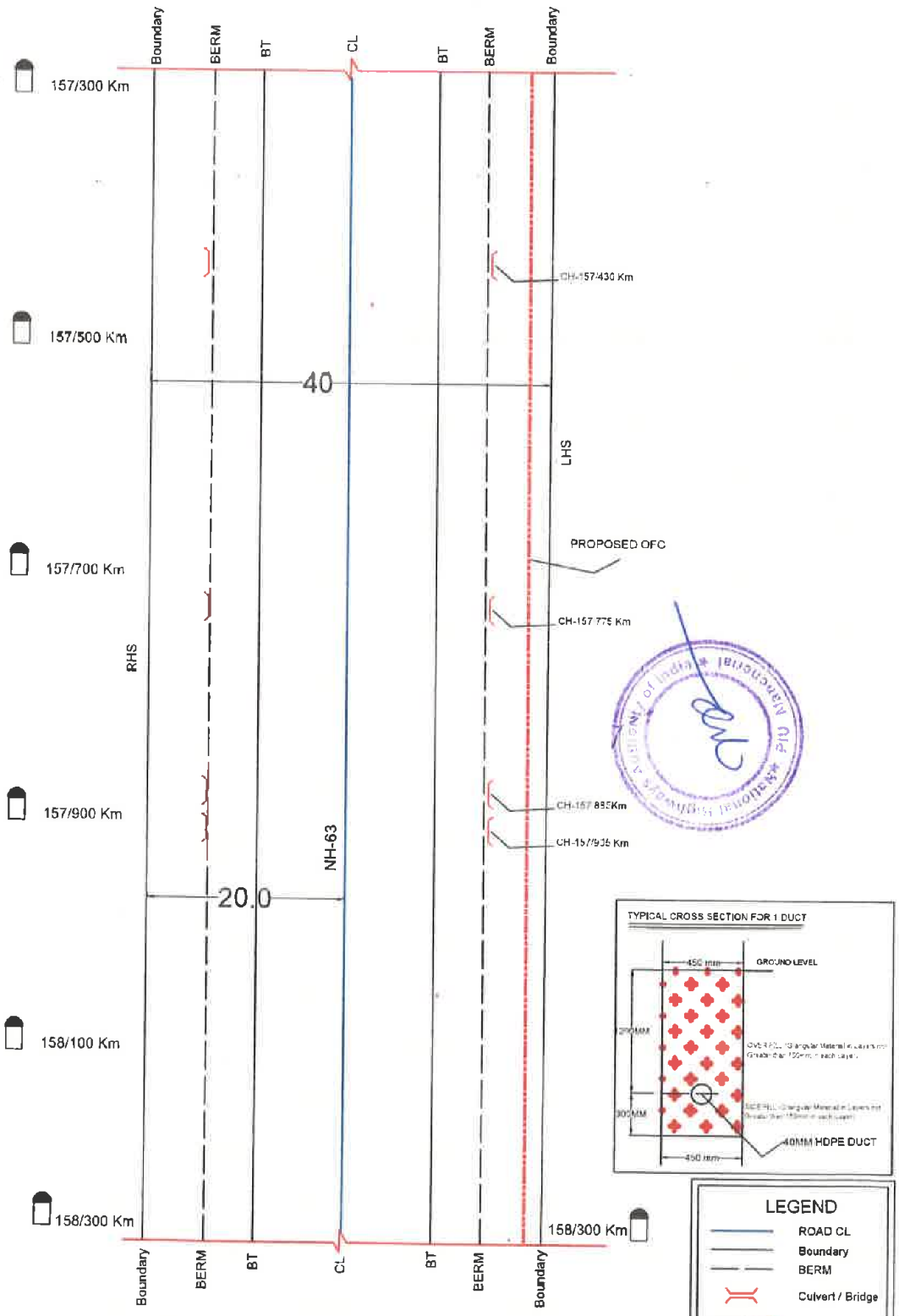
Mandal HAJIPUR- NH 63 -156/300 to 157/300



SECTION LENGTH=1000M

All Dimensions are in Meters

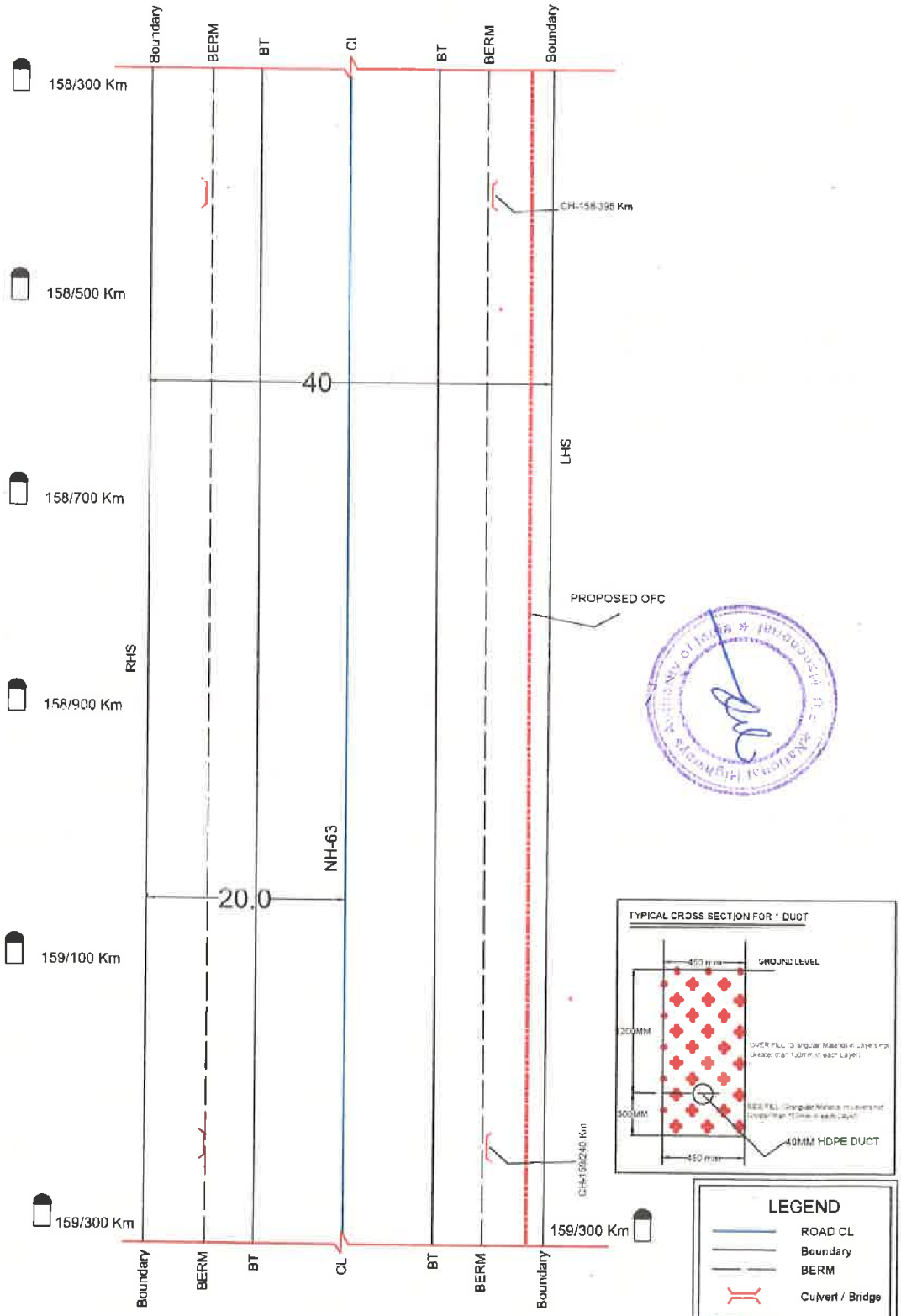
Mandal HAJIPUR- NH 63 -157/300 to 158/300



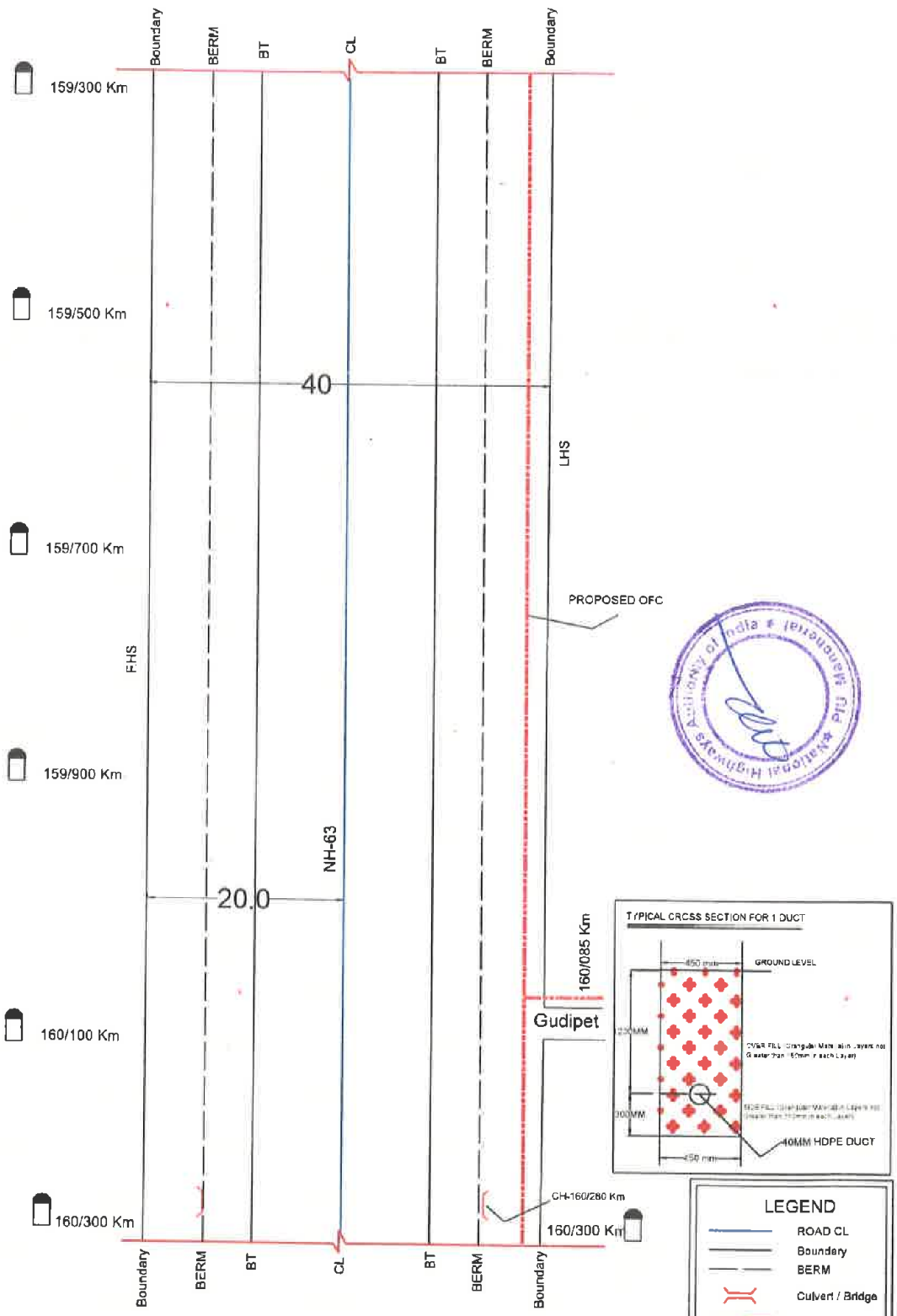
SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal HAJIPUR- NH 63 -158/300 to 159/300



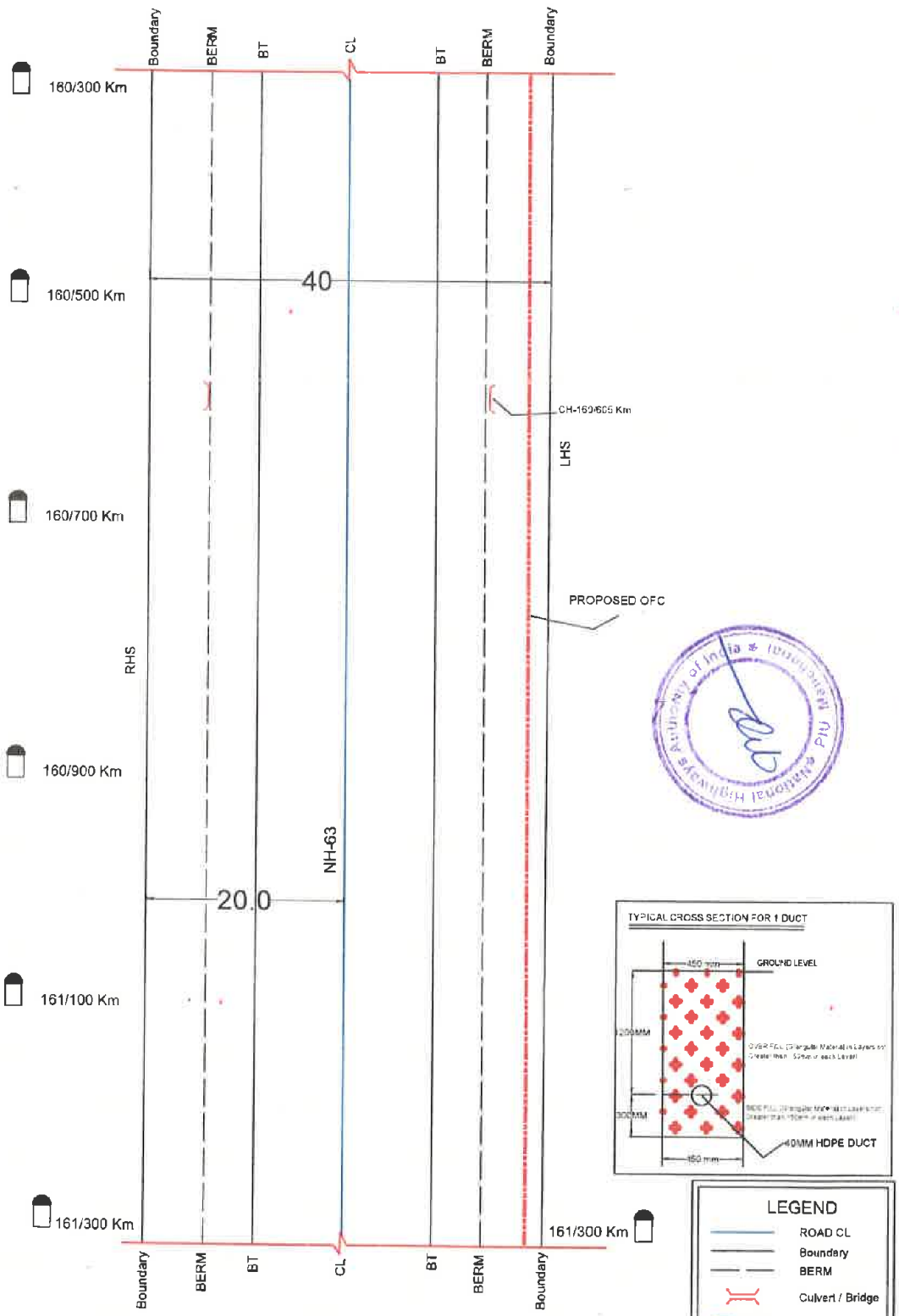
Mandal HAJIPUR- NH 63 -159/300 to 160/300



SECTION LENGTH=1000M

All Dimensions are in Meters

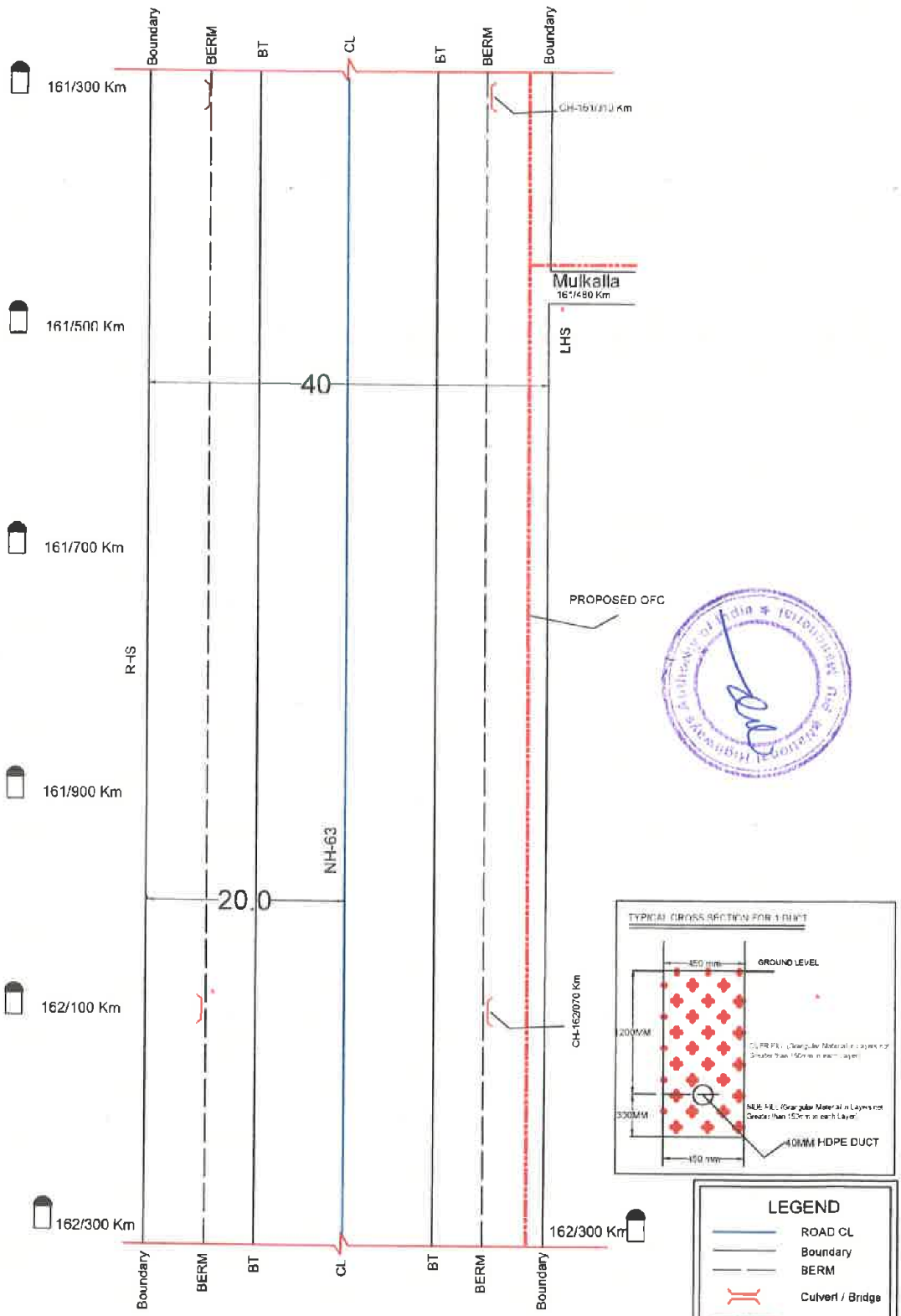
Mandal HAJIPUR- NH 63 -160/300 to 161/300



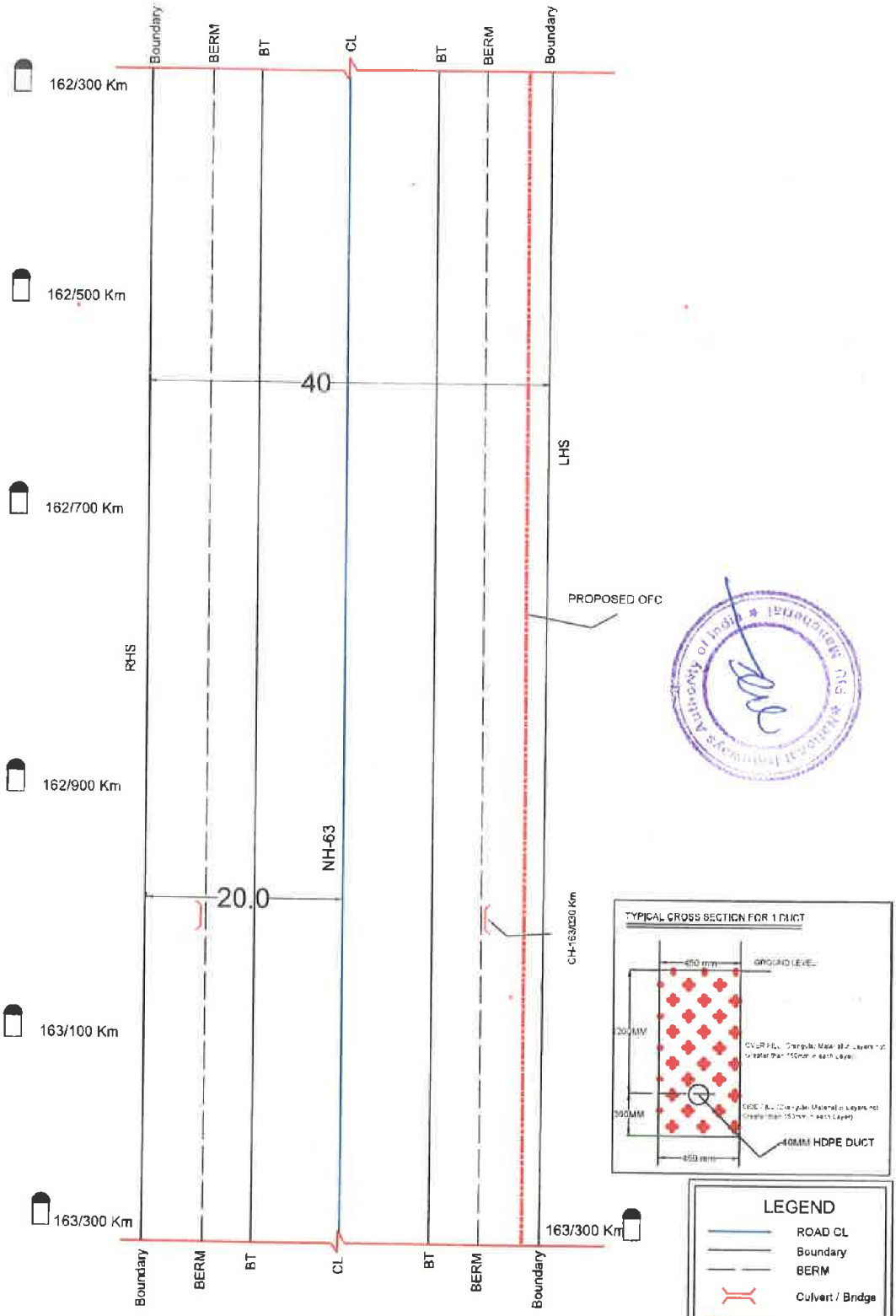
SECTION LENGTH=1000M

All Dimensions are in Meters

Mandal HAJIPUR- NH 63 -161/300 to 162/300



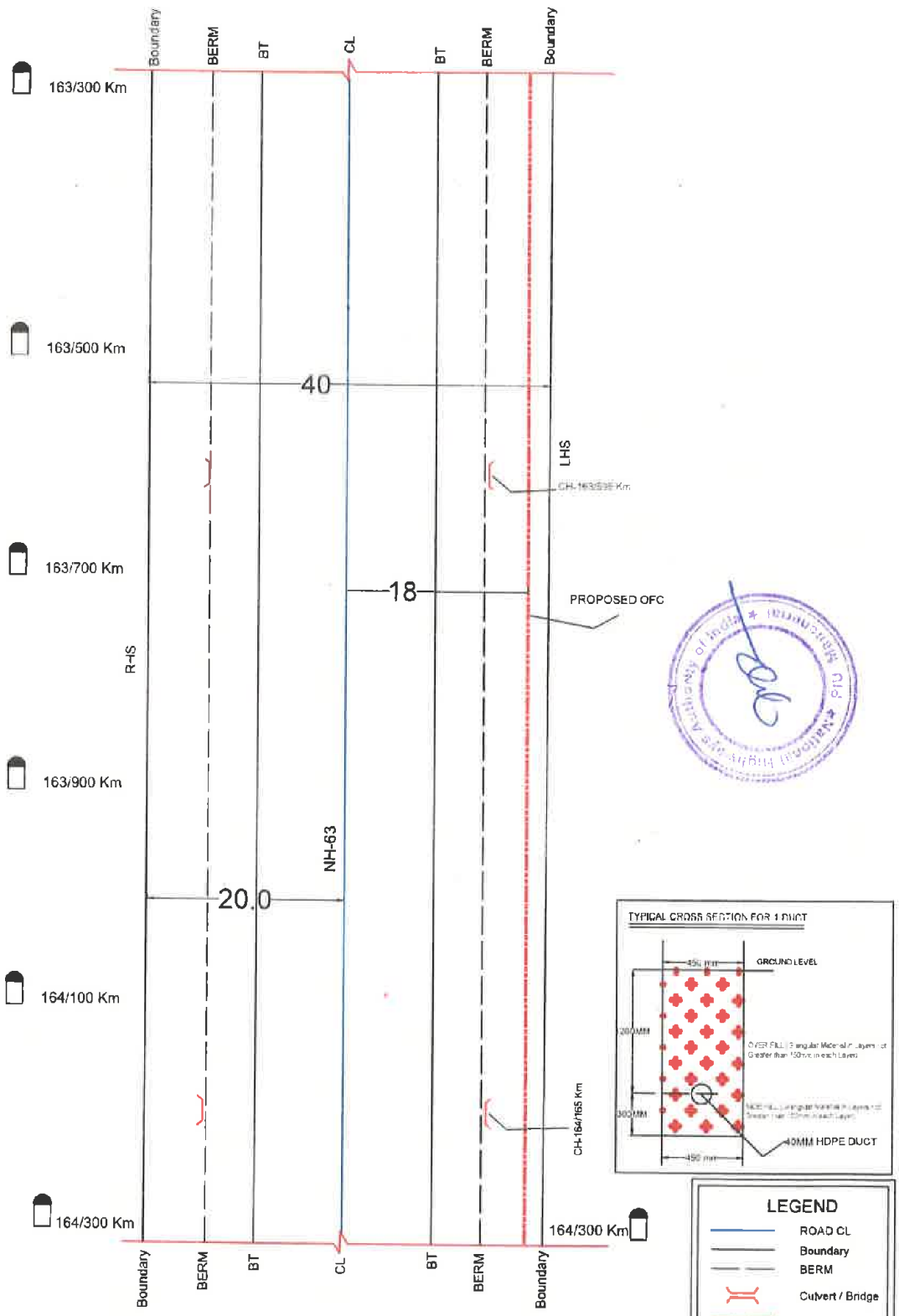
Mandal HAJIPUR- NH 63 -162/300 to 163/300



SECTION LENGTH=1000M

All Dimensions are in Meters

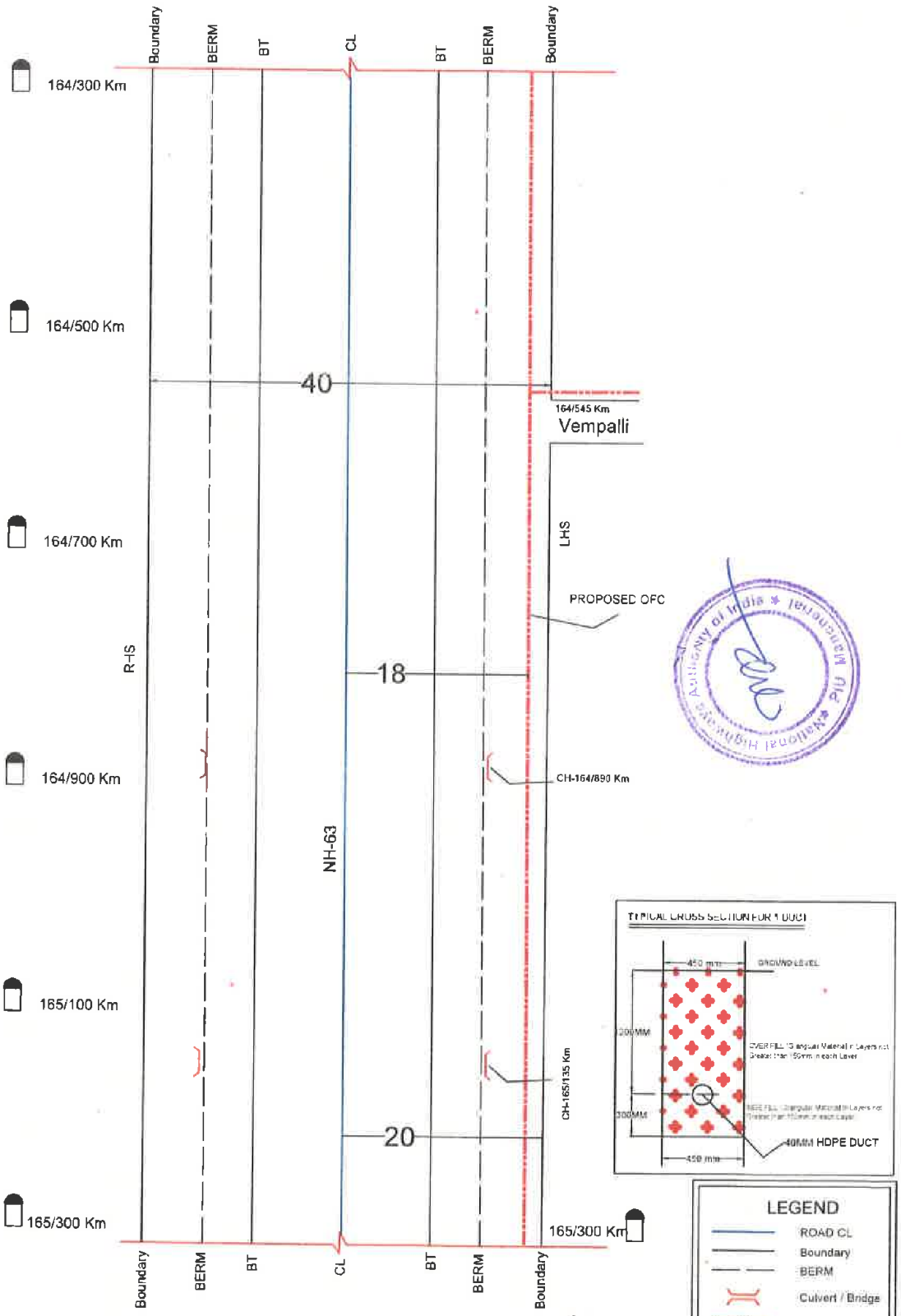
Mandal HAJIPUR- NH 63 -163/300 to 164/300



SECTION LENGTH=1000M

All Dimensions are in Meters

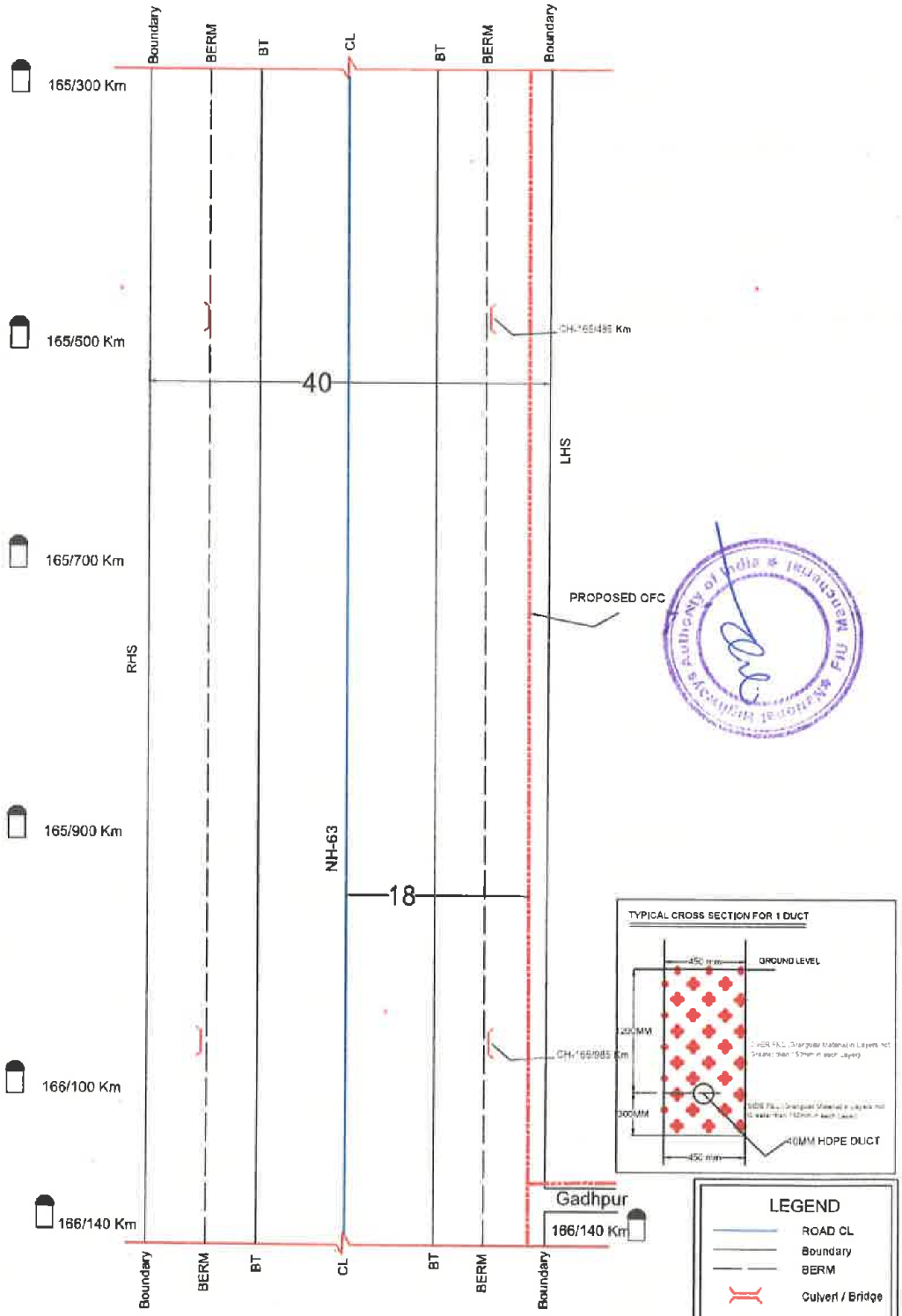
Mandal HAJIPUR- NH 63 -164/300 to 165/300



SECTION LENGTH=1000M

All Dimensions are in Meters

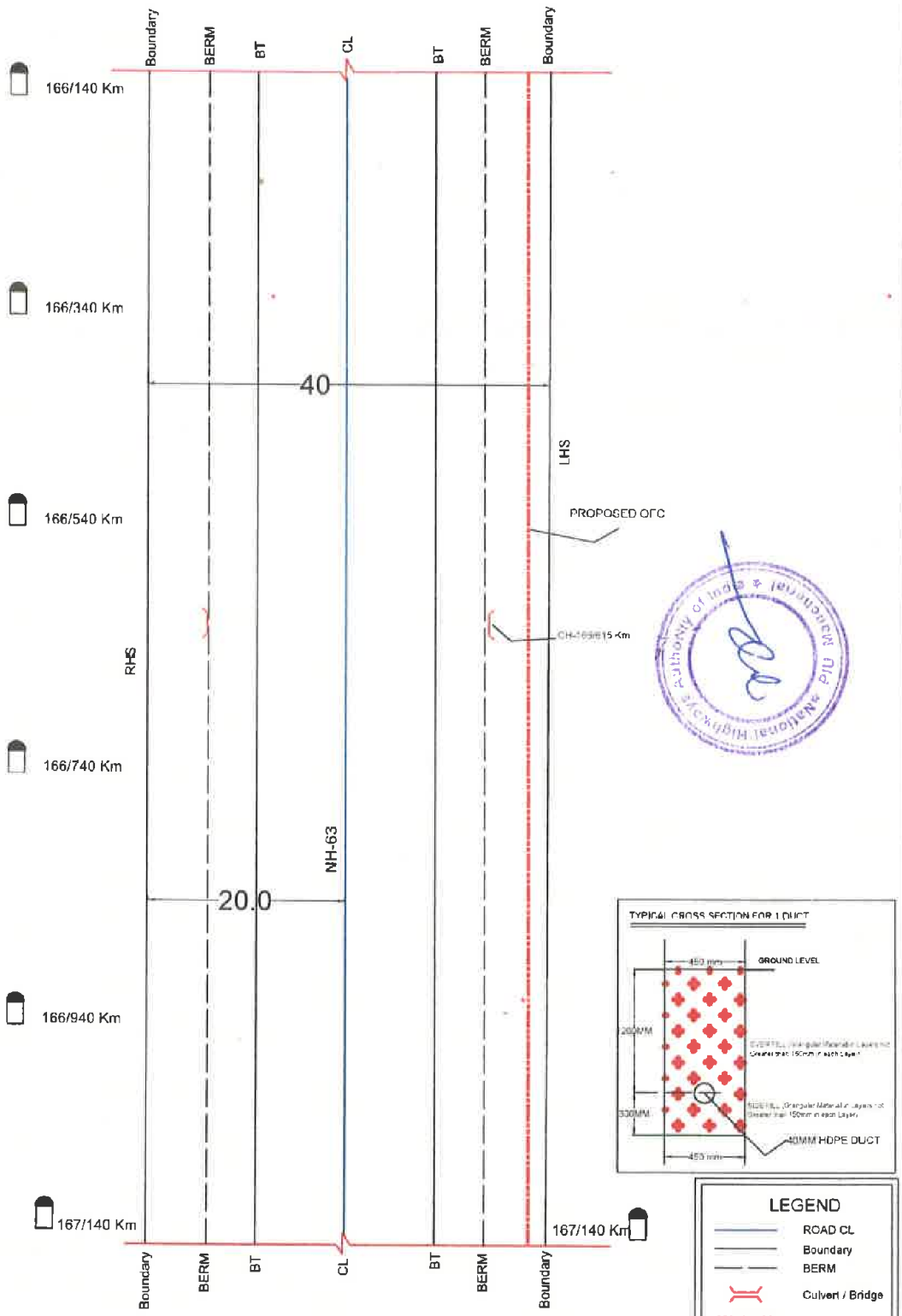
Mandal HAJIPUR- NH 63 -165/300 to 166/140



SECTION LENGTH=840M

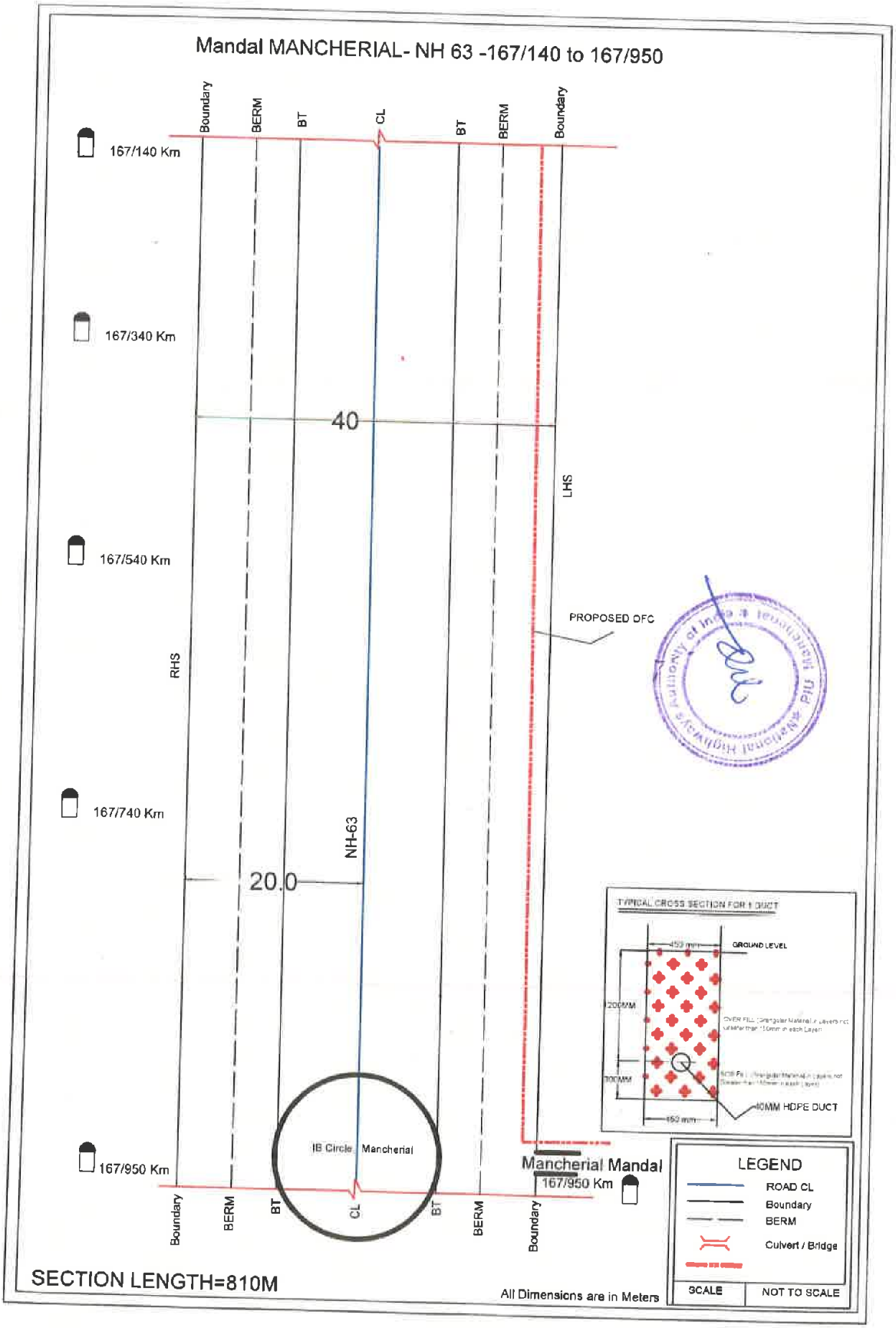
All Dimensions are in Meters

Mandal MANCHERIAL- NH 63 -166/140 to 167/140



SECTION LENGTH=1000M

All Dimensions are in Meters


Mandal MANCHERIAL- NH 63 -167/140 to 167/950
Boundary
BERM
BT
CL
BT
BERM
Boundary
167/140 Km
167/340 Km
167/540 Km
167/740 Km
167/950 Km
40
20.0
LHS
RHS
NH-63
PROPOSED OFC
IB Circle Mancherial
Mancherial Mandal
167/950 Km
TYPICAL CROSS SECTION FOR 1 DUCT
GROUND LEVEL
200MM
300MM
40MM HDPE DUCT
LEGEND
ROAD CL
Boundary
BERM
Culvert / Bridge
SCALE
NOT TO SCALE
SECTION LENGTH=810M
All Dimensions are in Meters