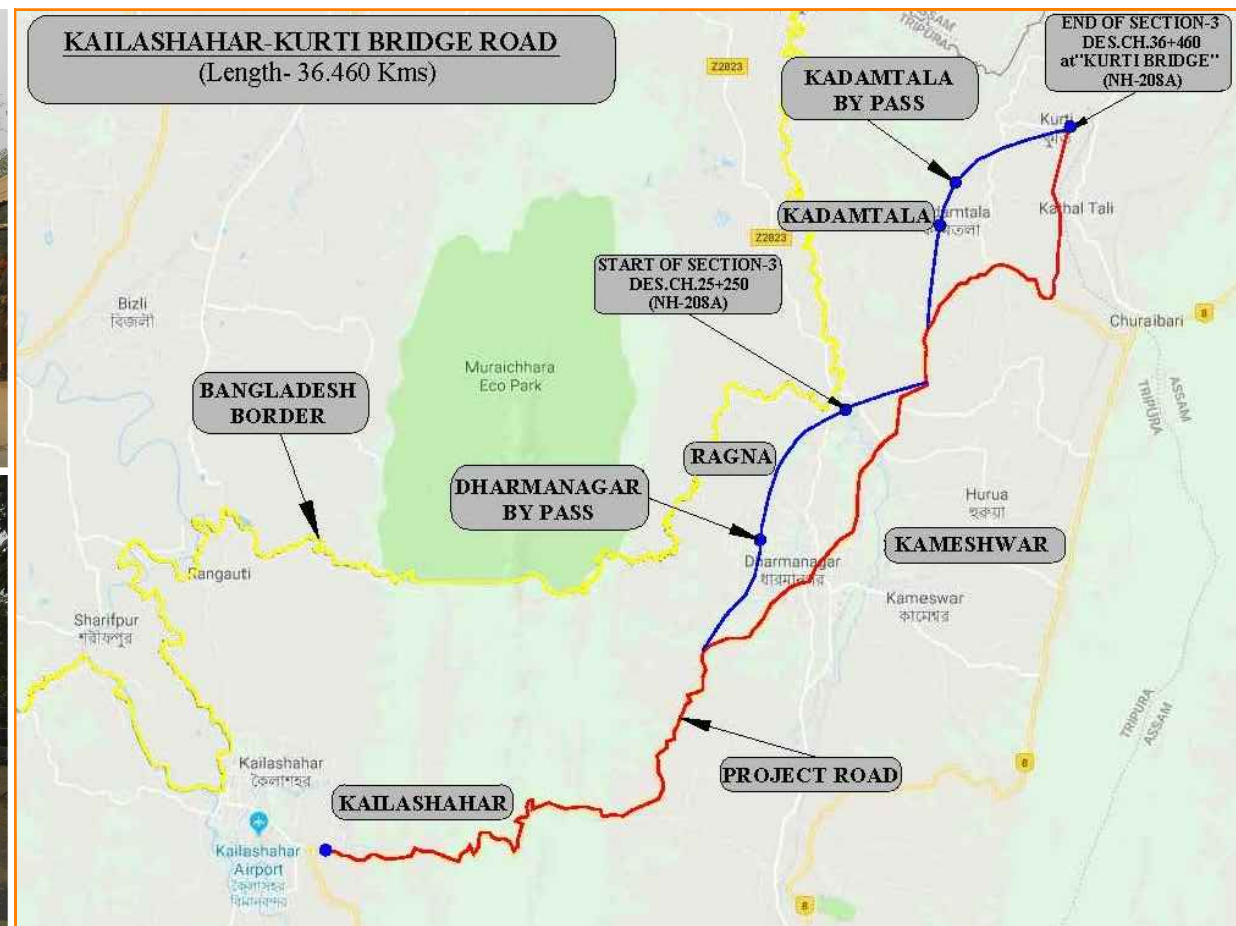


NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF (DPR) AND PROVIDING
PRE-CONSTRUCTION SERVICES FOR UP GRADATION OF SELECTED ROAD STRETCHES /
CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA
PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST
PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

(PKG-2 KAILASHAHAR TO KURTI BRIDGE)
(SECTION:3- DES.CH.-25+250 TO 36+460)



CLIENT:-



**NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD**

(DRAWING VOLUME)

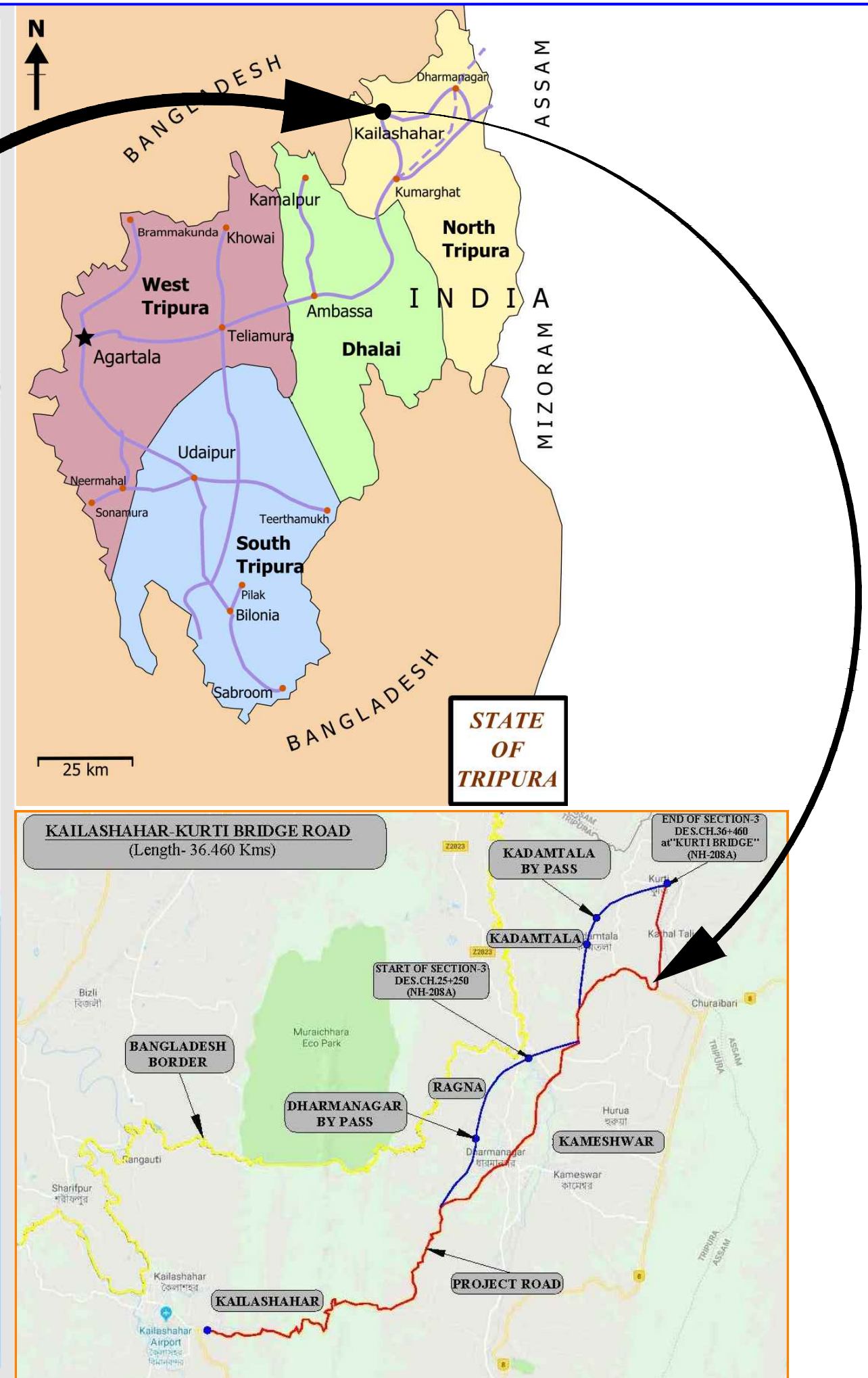
DRAFT DETAIL PROJECT REPORT

DECEMBER- 2019

CONSULTANT:-



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



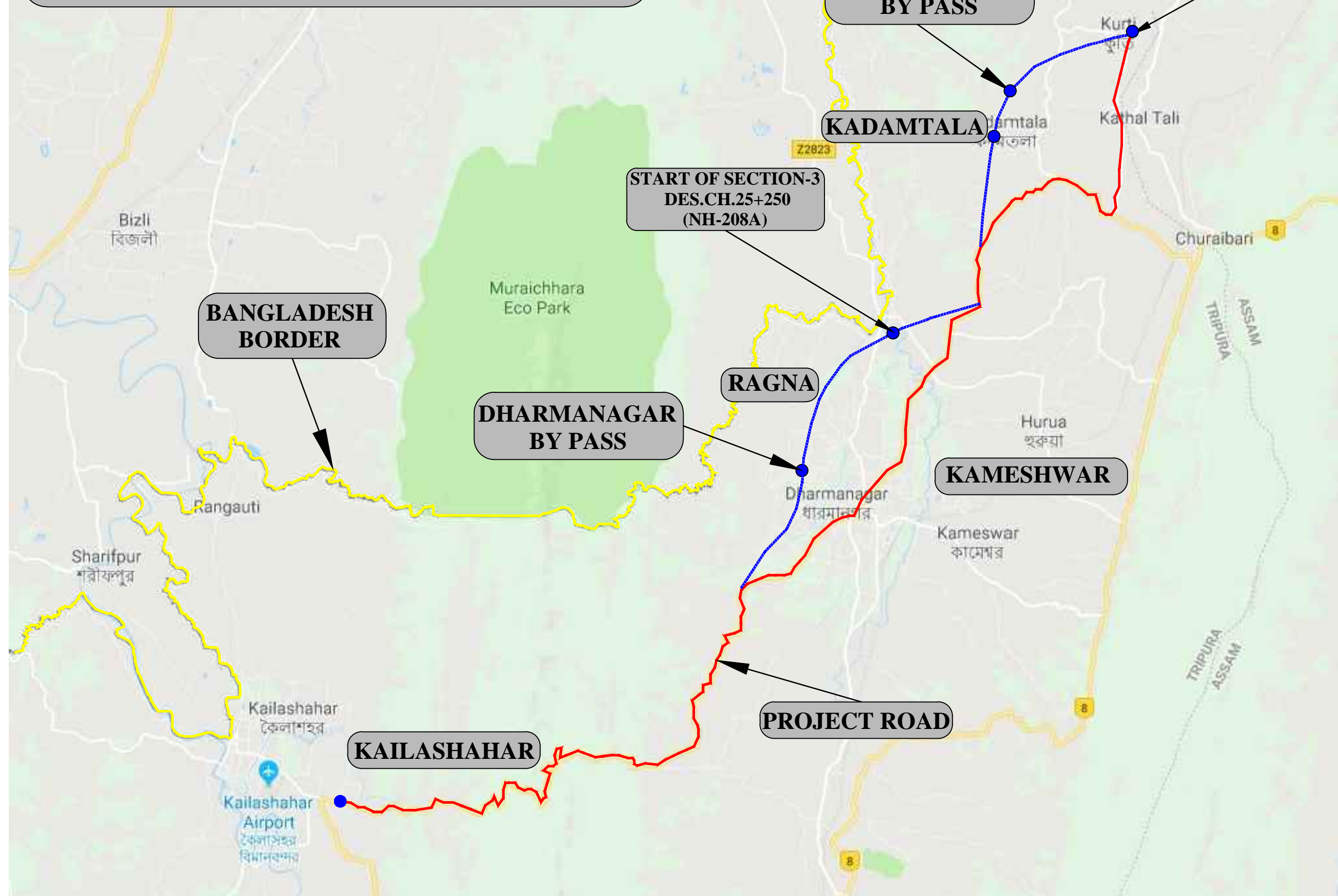
KAILASHAHAR - KURTI BRIDGE (DESIGN LENGTH-36.460km)

KEY PLAN



KAILASHAHAR-KURTI BRIDGE ROAD

(Length- 36.460 Kms)



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

KEY PLAN

Drawing No. :- TASPL/NHIDCL/FDPR/KEY PLAN/01

Sheet :

01 OF 01

Scale :- NTS

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

DEC - 2019

CONSULTANT:




Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

WIDENING SCHEME



WIDENING SCHEME OF PROJECT ROAD						
Sl. No	Design Chainage		Bridge Length (km)	Length (km)	TCS Type	Description
	From (Km)	To (Km)				
1	25.250	25.255		0.005	TCS-6	Two lane with PS (Retaining wall in pond location)
2	25.255	25.400		0.145	TCS-1	Two lane with Paved Shoulder (New Construction)
3	25.400	25.415		0.015	TCS-6	Two lane with PS (Retaining wall in pond location)
4	25.415	25.690		0.275	TCS-1	Two lane with Paved Shoulder (New Construction)
5	25.690	25.705		0.015	TCS-6	Two lane with PS (Retaining wall in pond location)
6	25.705	25.770		0.065	TCS-1	Two lane with Paved Shoulder (New Construction)
7	25.770	25.785		0.015	TCS-6	Two lane with PS (Retaining wall in pond location)
8	25.785	27.030	0.010	1.235	TCS-1	Two lane with Paved Shoulder (New Construction)
9	27.030	27.055		0.025	TCS-6	Two lane with PS (Retaining wall in pond location)
10	27.055	27.250		0.195	TCS-1	Two lane with Paved Shoulder (New Construction)
11	27.250	27.285		0.035	TCS-6	Two lane with PS (Retaining wall in pond location)
12	27.285	27.650	0.050	0.315	TCS-1	Two lane with Paved Shoulder (New Construction)
13	27.650	27.680		0.030	TCS-6	Two lane with PS (Retaining wall in pond location)
14	27.680	29.600	0.025	1.895	TCS-1	Two lane with Paved Shoulder (New Construction)
15	29.600	29.625		0.025	TCS-6	Two lane with PS (Retaining wall in pond location)
16	29.625	31.000		1.375	TCS-1	Two lane with Paved Shoulder (New Construction)
17	31.000	31.900		0.900	TCS-3	Two lane with PS with RCC drain
18	31.900	32.760	0.015	0.845	TCS-1	Two lane with Paved Shoulder (New Construction)
19	32.760	32.805		0.045	TCS-6	Two lane with PS (Retaining wall in pond location)
20	32.805	33.640		0.835	TCS-1	Two lane with Paved Shoulder (New Construction)
21	33.640	33.665		0.025	TCS-6	Two lane with PS (Retaining wall in pond location)
22	33.665	33.980		0.315	TCS-1	Two lane with Paved Shoulder (New Construction)
23	33.980	34.000		0.020	TCS-6	Two lane with PS (Retaining wall in pond location)
24	34.000	35.900		1.900	TCS-1	Two lane with Paved Shoulder (New Construction)
25	35.900	35.920		0.020	TCS-6	Two lane with PS (Retaining wall in pond location)
26	35.920	36.350		0.430	TCS-1	Two lane with Paved Shoulder (New Construction)
27	36.350	36.460		0.110	TCS-2	Two lane with PS over exisitng road
	Total..		0.100	11.110		
				9825	TCS-1	Two lane with Paved Shoulder
				110	TCS-2	Two lane with PS over exisitng road
				900	TCS-3	Two lane with PS with RCC drain
				0	TCS-4	Two lane with PS (with Protection Works)
				0	TCS-5	Two lane with PS with Protections Works (Both Side)
				275	TCS-6	Two lane with Paved Shoulder




Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

WIDENING SCHEME OF
KAILASHAHAR - KURTI BRIDGE SECTION

Drawing No. :- TASPL/NHIDCL/DDPR/WS

Scale :- NTS

Drn

Dgn.

Appd

Deepak


B.Mishra

B.S.Pandey

Sheet : 01 OF 01

Date DEC - 2019

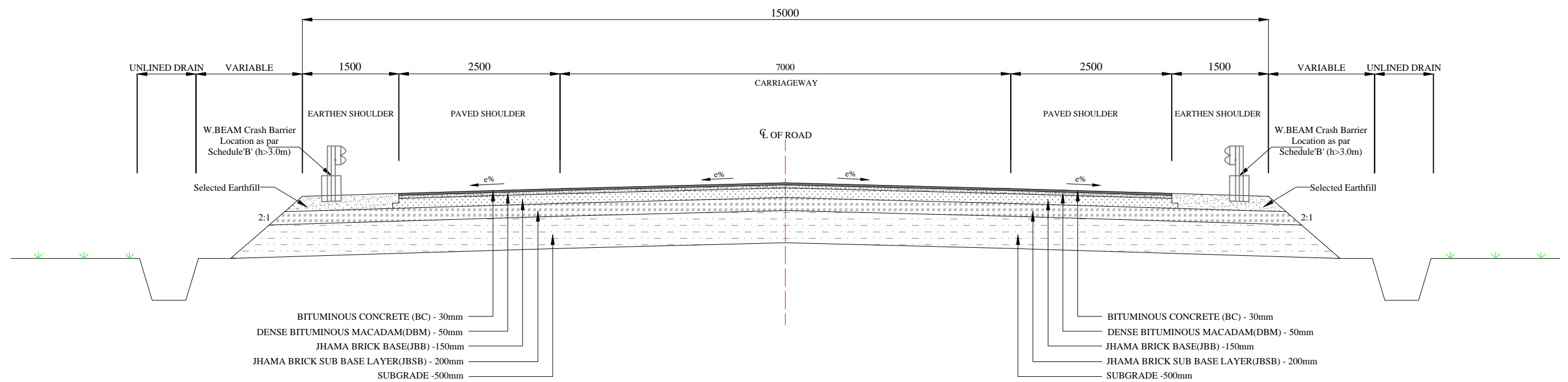
CONSULTANT:



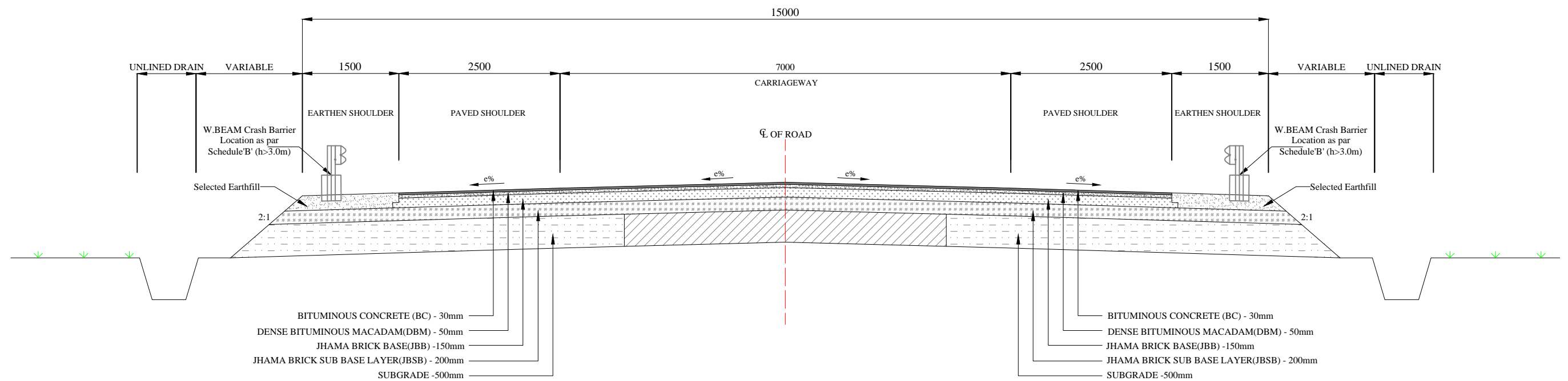
Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

TYPICAL CROSS SECTION





TYPE- 1 TWO LANE WITH PAVED SHOULDER (New Construction)



TYPE- 2 TWO LANE WITH PAVED SHOULDER OVER EXISTING ROAD



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL CROSS SECTION

Drawing No. :- TASPL/NHIDCL/DDPR/TCS/03

Sheet :

Scale :- NTS

01 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

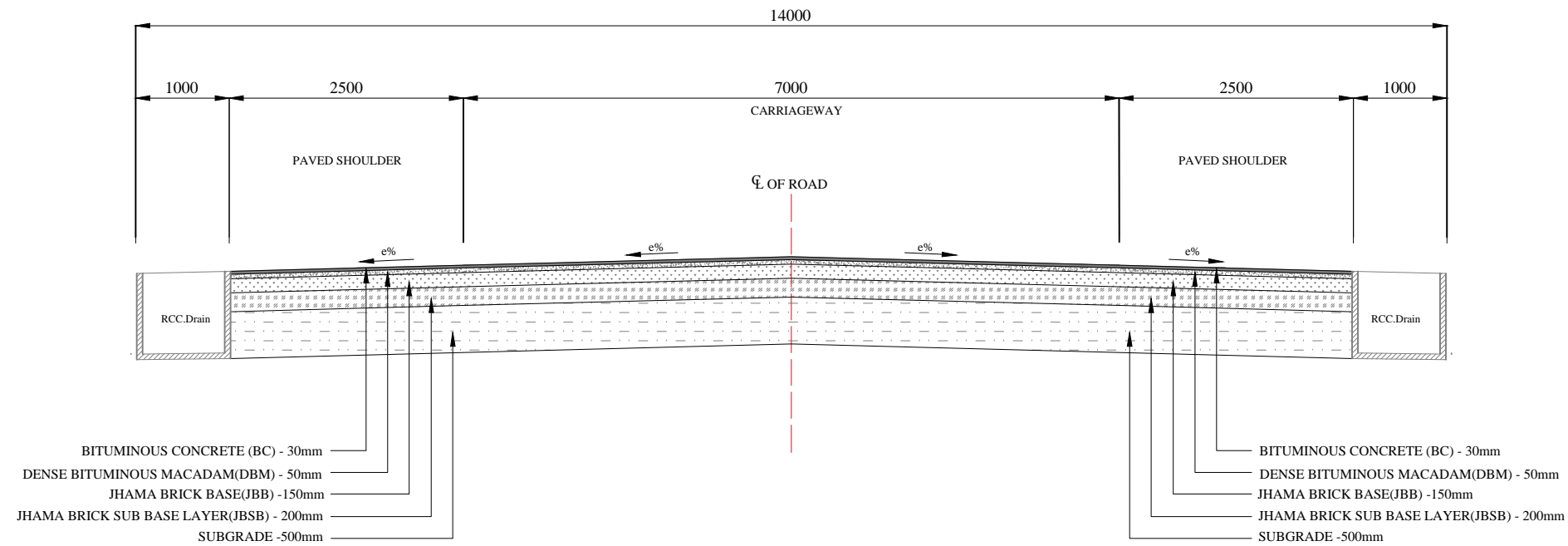
B.S.Pandey

DEC- 2019

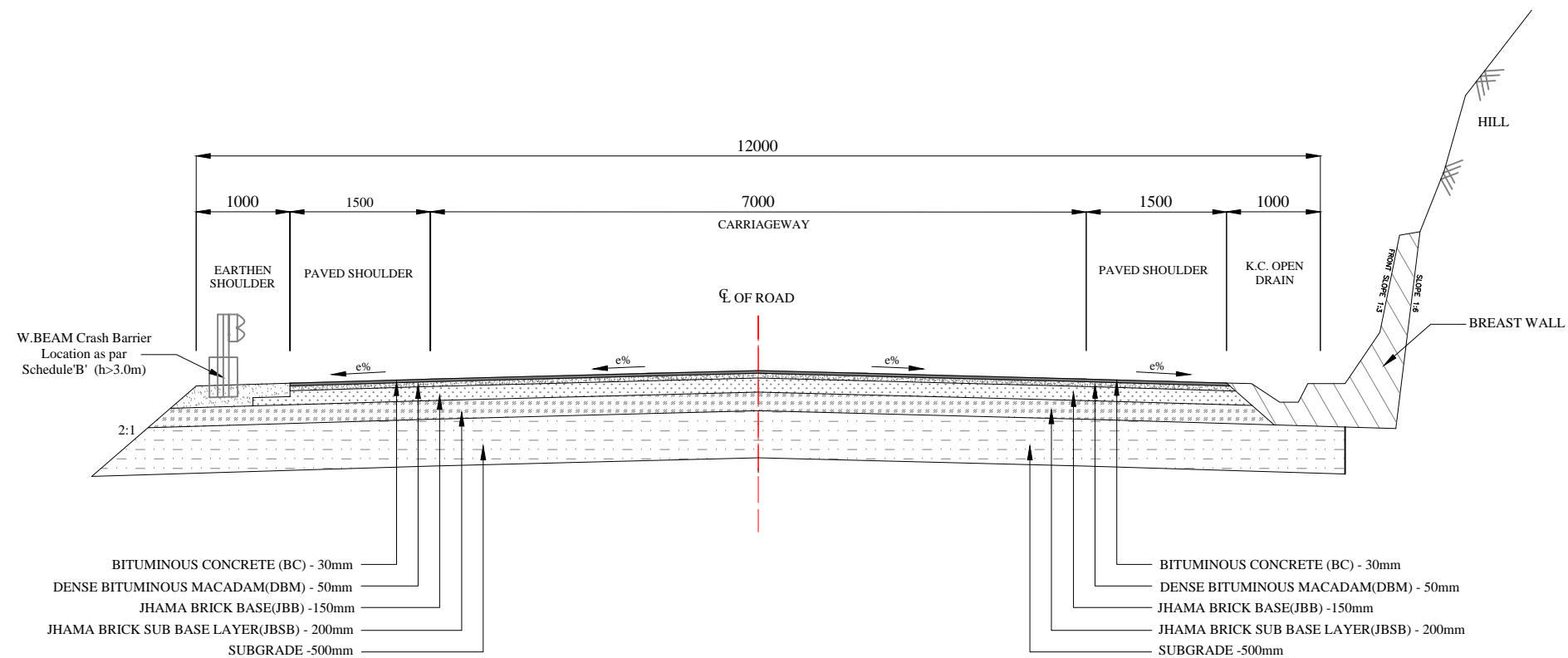
CONSULTANT:



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in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPE- 3 TWO LANE WITH PAVED SHOULDER WITH RCC DRAIN (Built-up Section)



TYPE- 4 TWO LANE WITH PAVED SHOULDER (WITH PROTECTIONS WORKS)



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL CROSS SECTION

Drawing No. :- TASPL/NHIDCL/DDPR/TCS/03

Sheet :

Scale :- NTS

02 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

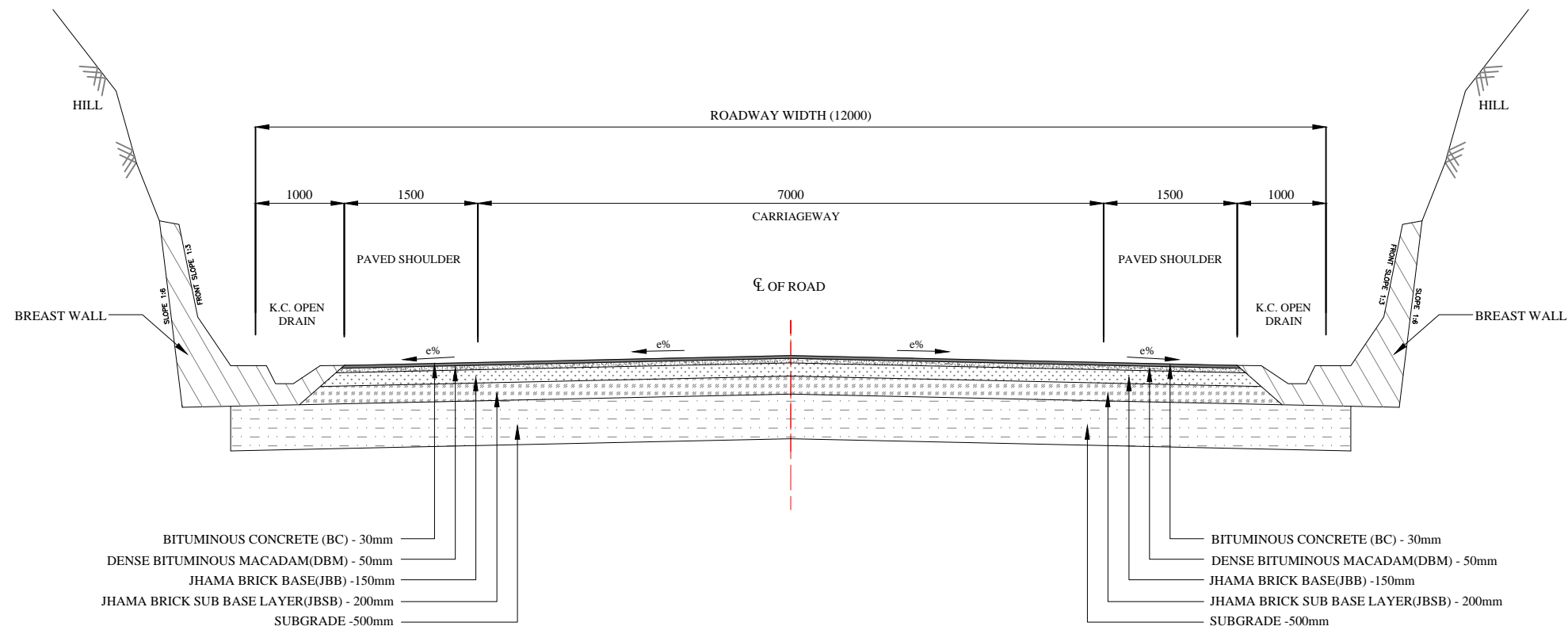
B.S.Pandey

DEC- 2019

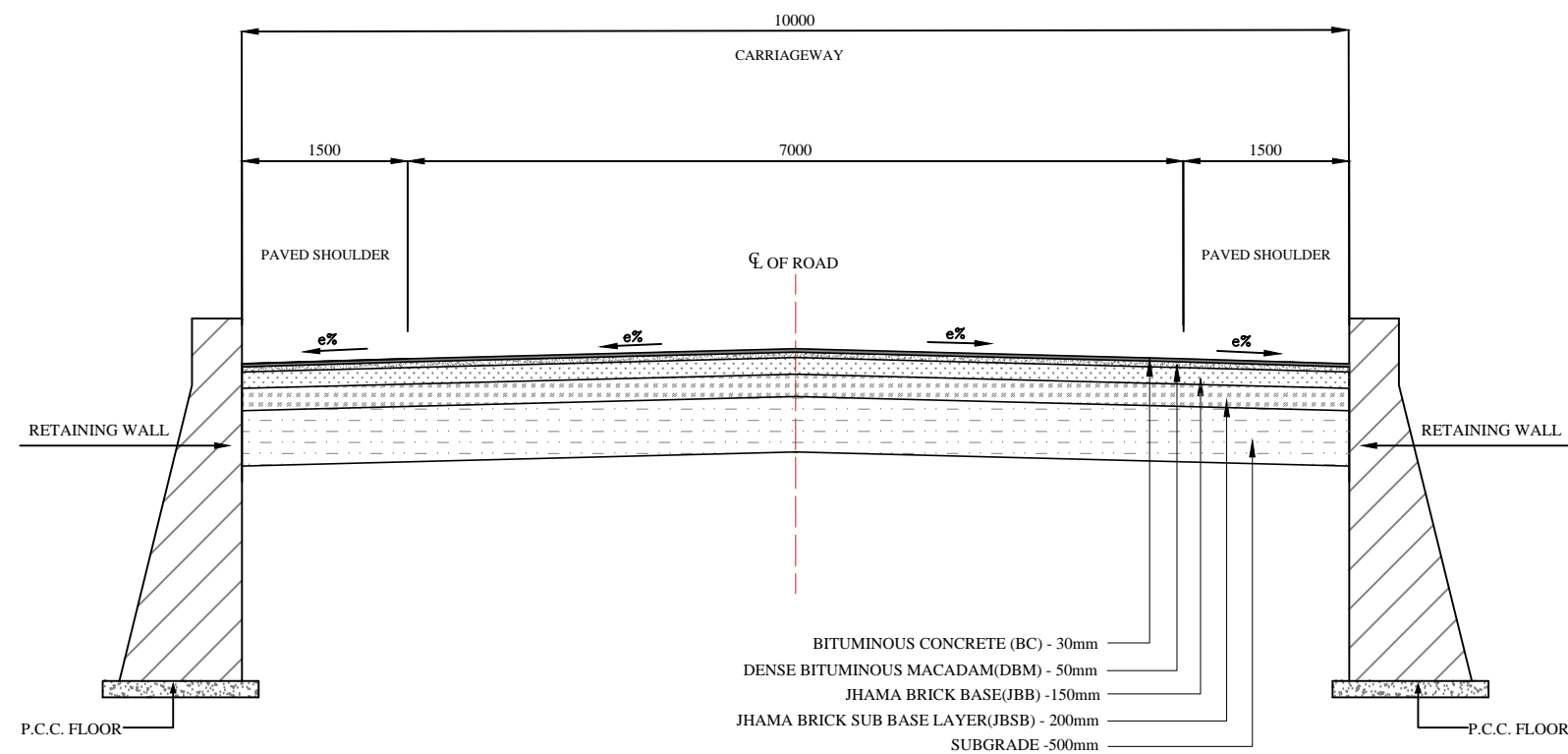
CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPE- 5 TWO LANE WITH PAVED SHOULDER (WITH PROTECTIONS WORKS (Both Side)



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL CROSS SECTION

Drawing No. :- TASPL/NHIDCL/DDPR/TCS/03

Sheet :

Scale :- NTS

03 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.


HORIZONTAL REPORT




HORIZONTAL ALIGNMENT REPORT [Kailashahar-Kurtibridge]															
Curve No.	HORIZONTAL CURVE								Terrain	Horizontal Intersection Point (HIP)			Transition length	Speed (Kmph)	Reason for Deviation
	Start Chainage	End Chainage	Start Easting	Start Northing	End Easting	End Northing	Radius	Direction		Chainage	Easting	Northing			
67	27+543.180	28+585.812	415944.26	2700487.101	416820.748	2700989.256	1200	Left	Plain	28+099.972	416499.002	2700534.836	40	100	
68	29+910.493	30+108.152	417568.281	2702082.861	417671.556	2702251.3	2000	Left	Plain	30+009.403	417624.084	2702164.527	0	100	
69	32+687.508	32+888.275	418909.529	2704514.152	419014.559	2704685.155	2000	Right	Plain	32+787.976	418957.749	2704602.292	0	100	
70	33+807.510	34+281.224	419534.897	2705442.931	419945.459	2705641.81	500	Right	Plain	34+063.834	419689.201	2705647.608	45	80	
71	34+573.590	34+946.789	420237.229	2705623.404	420579.649	2705748.622	500	Left	Plain	34+769.364	420432.953	2705618.976	45	80	
72	35+186.728	35+406.087	420753.78	2705913.648	420943.16	2706021.907	600	Right	Plain	35+297.646	420838.463	2705985.282	80	100	
73	36+209.167	36+344.682	421716.308	2706238.907	421834.146	2706304.51	400	Left	Plain	36+277.580	421780.837	2706261.631	55	80	



Project Title:
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.
KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:
HORIZONTAL REPORT
Drawing No. :- TASPL/NHIDCL/DDPR/HR
Scale :- NTS
Drn Dgn. Appd Date
Deepak B.Mishra B.S.Pandey DEC - 2019

CONSULTANT:

Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

VERTICAL REPORT



VERTICAL ALIGNMENT REPORT [Kailashahar-Kurtibridge]

PVI	PVI		Curve Length	Gradient		Chainage(m)		Level (m)		Type Of Curve	K Value
No	Design Chainage (m)	Level (m)		IN	OUT	Start of Curve	End of Curve	Start of Curve	End of Curve		
42	25+529.679	23.091	250	-0.44	-0.469	25+404.679	25+654.679	23.641	22.504	Hog	8581.369
43	26+040.476	20.693	200	-0.469	0.745	25+940.476	26+140.476	21.162	21.438	Sag	164.636
44	26+350.000	23	200	0.745	0	26+250.000	26+450.000	22.255	23	Hog	268.335
45	26+650.000	23	250.063	0	-0.254	26+524.969	26+775.031	23	22.682	Hog	982.597
46	27+099.131	21.857	300	-0.254	0.326	26+949.131	27+249.131	22.239	22.346	Sag	517.015
47	27+450.000	23	200	0.326	0	27+350.000	27+550.000	22.674	23	Hog	613.944
48	27+750.000	23	250	0	-0.109	27+625.000	27+875.000	23	22.863	Hog	2289.24
49	28+790.555	21.864	300	-0.109	0.692	28+640.555	28+940.555	22.027	22.902	Sag	374.273
50	30+224.518	31.792	550	0.692	0.274	29+949.518	30+499.518	29.888	32.545	Hog	1313.968
51	30+944.078	33.762	200	0.274	-0.677	30+844.078	31+044.078	33.488	33.085	Hog	210.437
52	31+500.000	30	250	-0.677	-0.802	31+375.000	31+625.000	30.846	28.998	Hog	1995.693
53	32+485.951	22.094	200	-0.802	0.358	32+385.951	32+585.951	22.896	22.452	Sag	172.442
54	33+479.304	25.649	350	0.358	-0.23	33+304.304	33+654.304	25.023	25.247	Hog	595.678
55	34+814.504	22.582	250	-0.23	-0.064	34+689.504	34+939.504	22.87	22.502	Sag	1512.026
56	36+127.344	21.738	150	-0.064	1.197	36+052.344	36+202.344	21.786	22.635	Sag	118.963




Project Title:
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.
KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:
VERTICAL REPORT
Drawing No. :- TASPL/NHIDCL/DDPR/VR/05
Scale :- NTS
Drn Dgn. Appd Date
Deepak B.Mishra B.S.Pandey DEC - 2019

CONSULTANT:

Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

PLAN AND PROFILE



KAILASHAHAR

KURTI BRIDGE

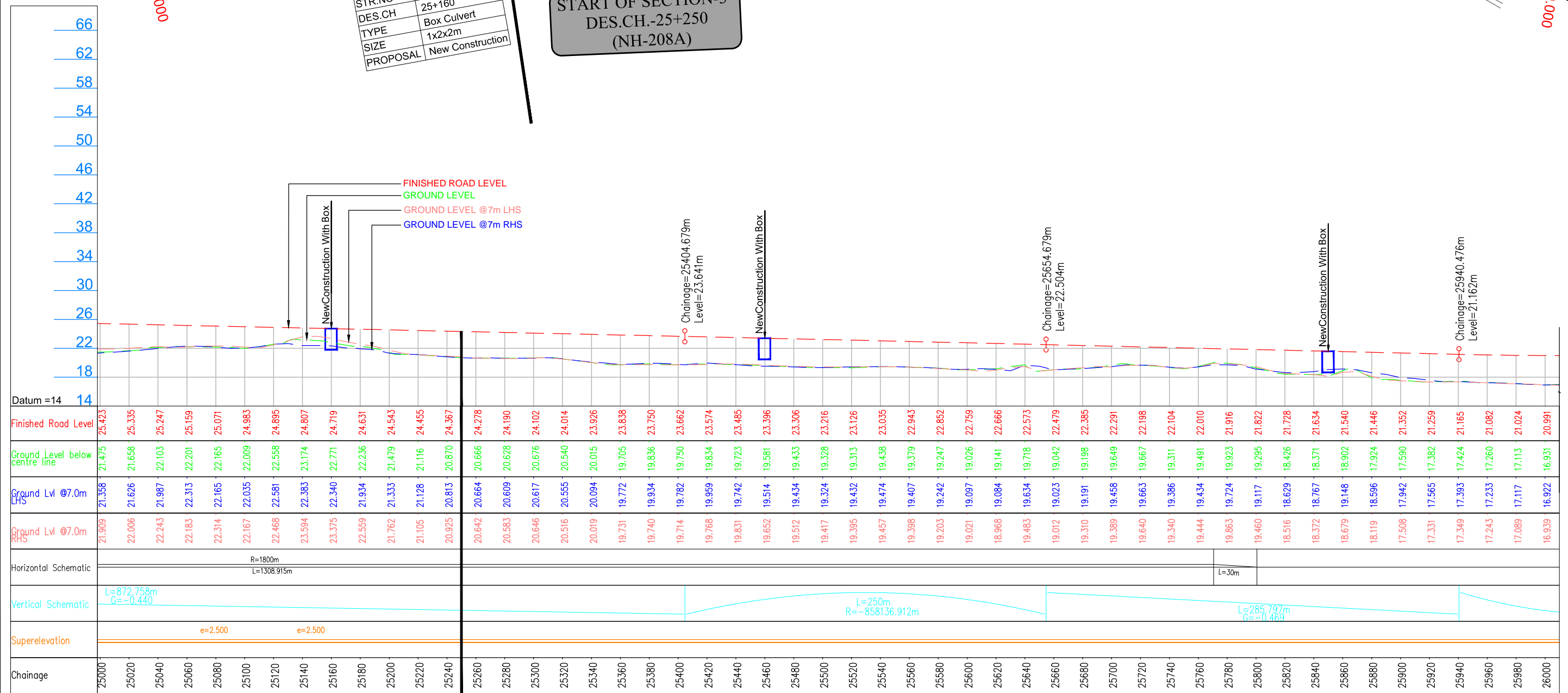
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Dc(deg) 41.664	S.T.(m) 10.000
Lc(m) 1308.91	SL.T.(m) 20.000
Ls(m) 717.143	D(deg) 42.6190
Es(m) 132.118	e(%) 100
DESIGN SPEED (V) :	

STR.NO	65
DES.CH	25+460
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction

STR.NO	96
DES.CH	25+850
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction

STR.NO	94
DES.CH	25+160
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

START OF SECTION-3
DES.CH.-25+250
(NH-208A)



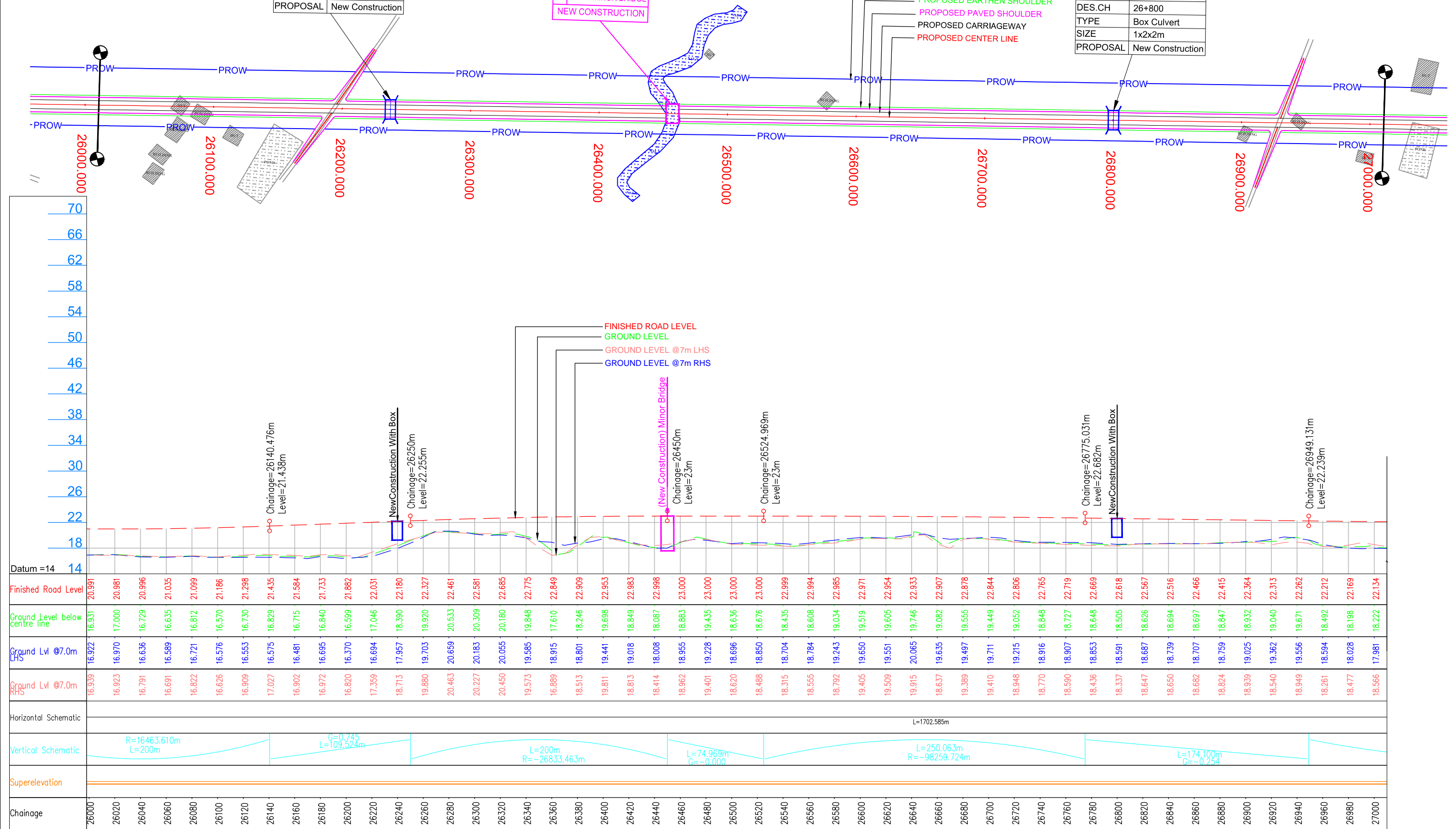
KAILASHAHAR

KURTI BRIDGE

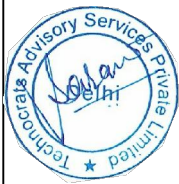
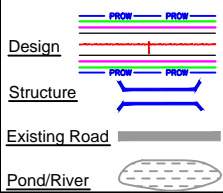
STR.NO	97
DES.CH	26+240
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction

DESIGN	STR NO.
	DES. CH.: 26+450
	1x10m MINOR BRIDGE
	NEW CONSTRUCTION

STR.NO	98
DES.CH	26+800
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction



LEGEND :



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 26+000 TO 27+000

Drawing No. :-

TASPL/NHIDCL/DDPR/P&P

Sheet :

02 OF 12

Scale :-

1:2000

Drm

Dgn.

Appd

Date

Deepak

B.Mishra

B.S Pandey

DEC - 2019

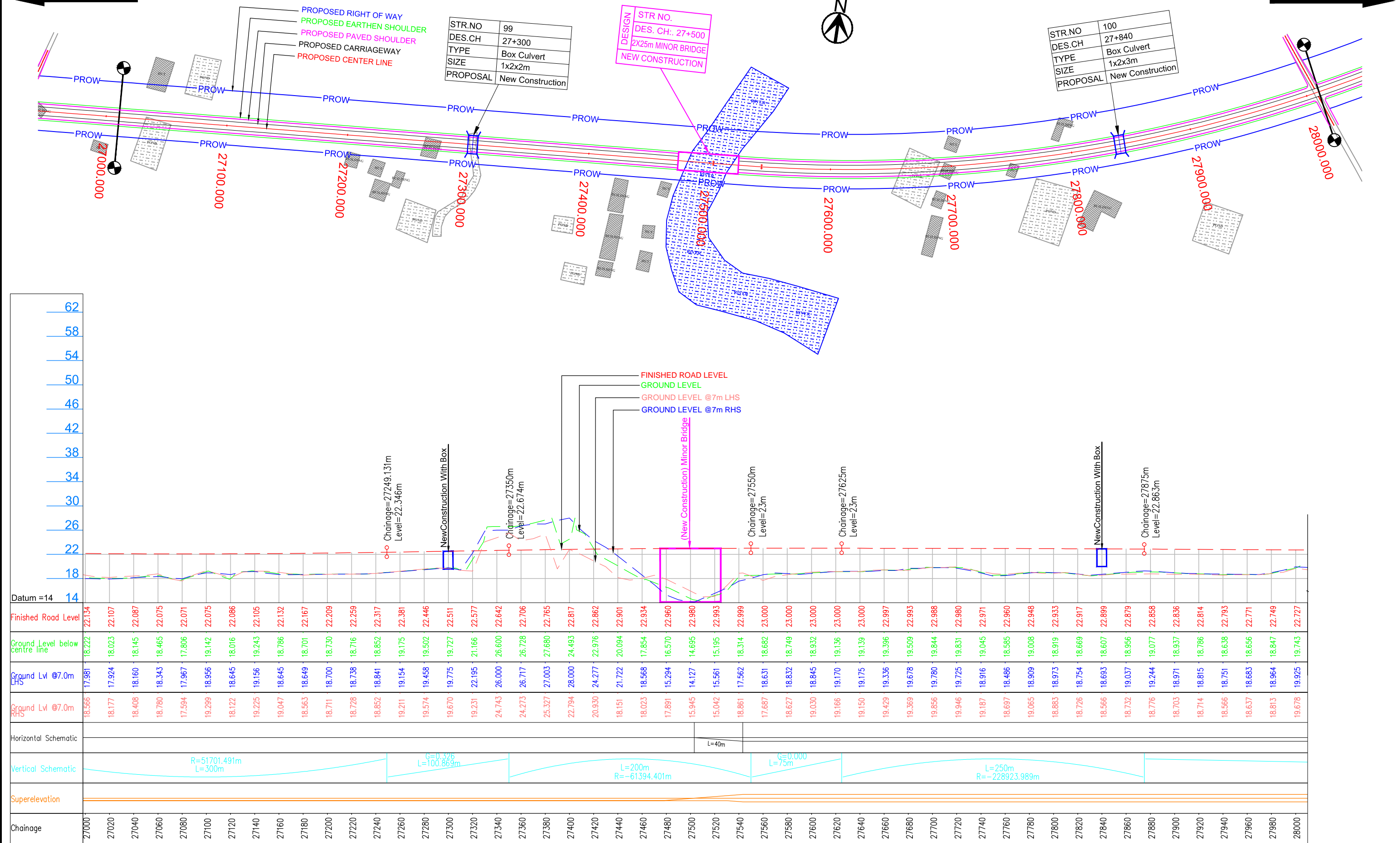
CONSULTANT:



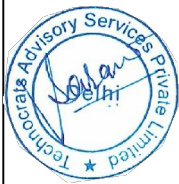
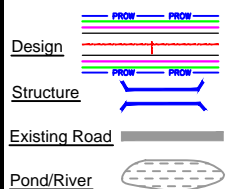
Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

KURTI BRIDGE



LEGEND :



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 27+000 TO 28+000

Drawing No. :-

TASPL/NHIDCL/DDPR/P&P

Scale :-

1:2000

Drn

Deepak

Dgn.

B.Mishra

Appd

B.S Pandey

Sheet :

03 OF 12

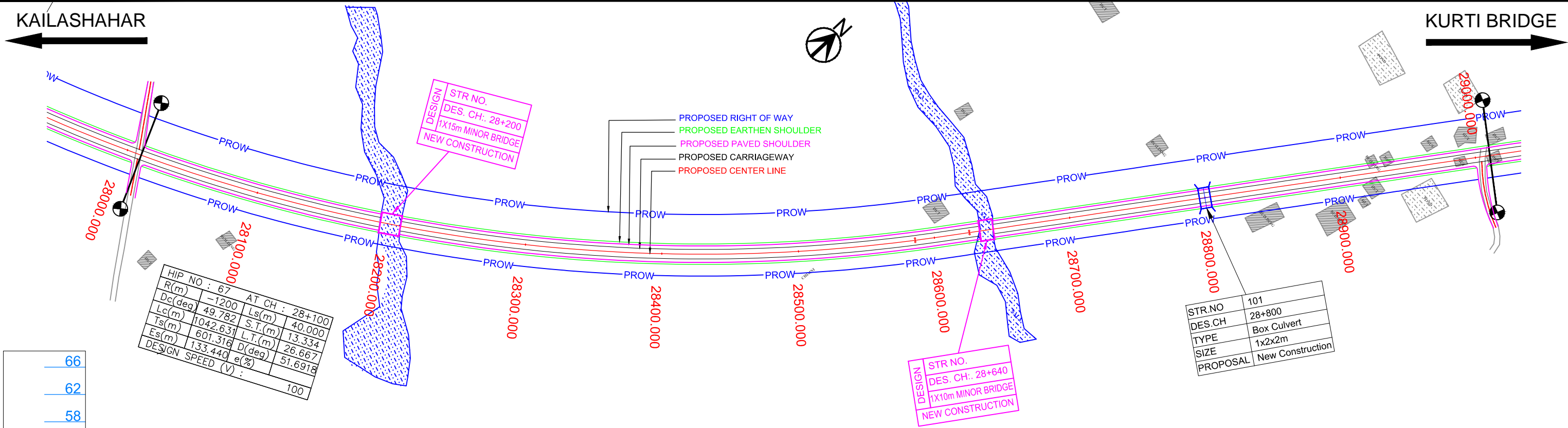
Date

DEC - 2019

CONSULTANT:

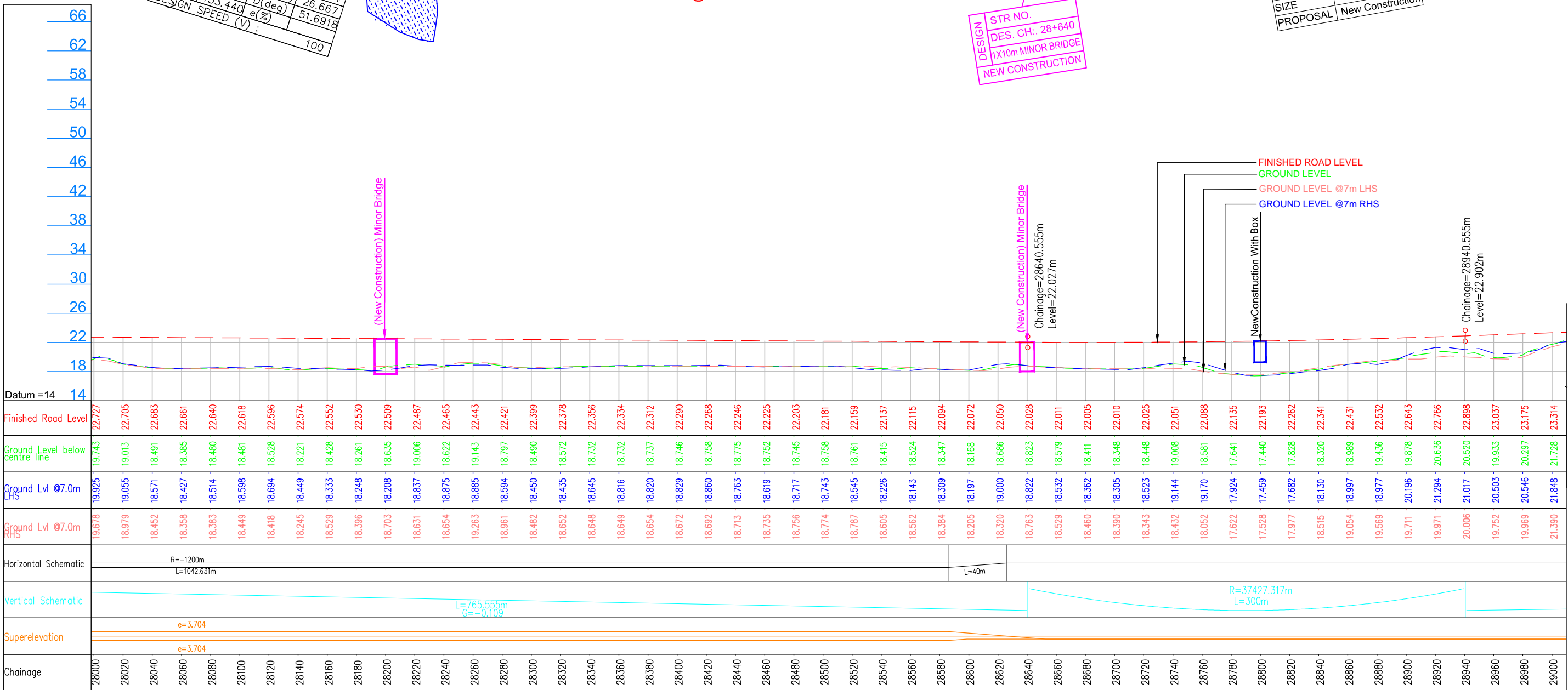


Technocrats Advisory Services Private Limited
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Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092



HIP NO : 67		AT CH : 28+100	
R(m)	-1200	Ls(m)	40.000
Dc(deg)	49.782	S.T.(m)	13.334
Lc(m)	1042.631	L.T.(m)	26.667
Ts(m)	601.316	D(deg)	51.6918
Es(m)	133.440	e(%)	
DESIGN SPEED (V) :	100		

STR.NO	101
DES.CH	28+800
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction



LEGEND :

- Design: PROW, PROPOSED EARTHEN SHOULDER, PROPOSED PAVED SHOULDER, PROPOSED CARRIAGEWAY, PROPOSED CENTER LINE
- Structure: PROW, PROPOSED EARTHEN SHOULDER, PROPOSED PAVED SHOULDER, PROPOSED CARRIAGEWAY, PROPOSED CENTER LINE
- Existing Road: PROW, PROPOSED EARTHEN SHOULDER, PROPOSED PAVED SHOULDER, PROPOSED CARRIAGEWAY, PROPOSED CENTER LINE
- Pond/River: PROW, PROPOSED EARTHEN SHOULDER, PROPOSED PAVED SHOULDER, PROPOSED CARRIAGEWAY, PROPOSED CENTER LINE

Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 28+000 TO 29+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn Deepak **Dgn.** B.Mishra **Appd** B.S Pandey

Sheet : 04 OF 12

Date DEC - 2019

CONSULTANT:

TASPL

Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

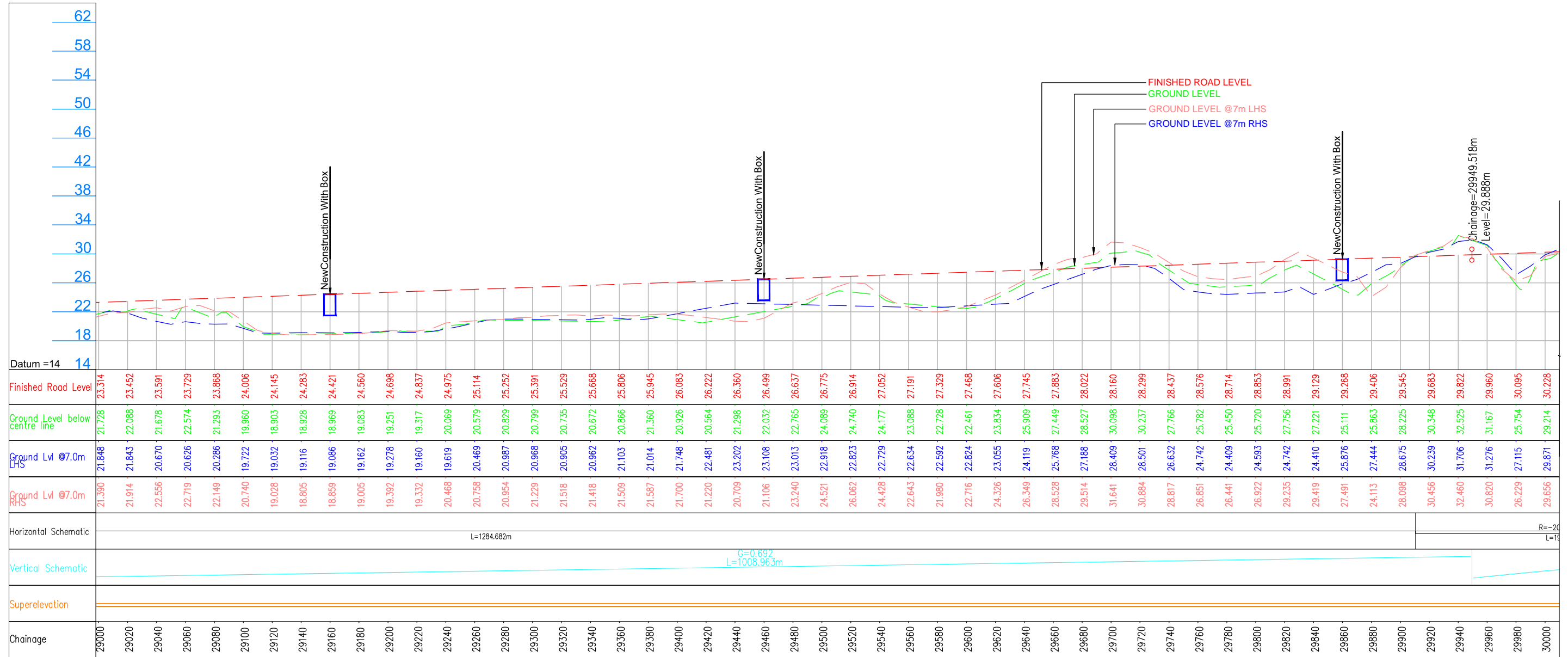
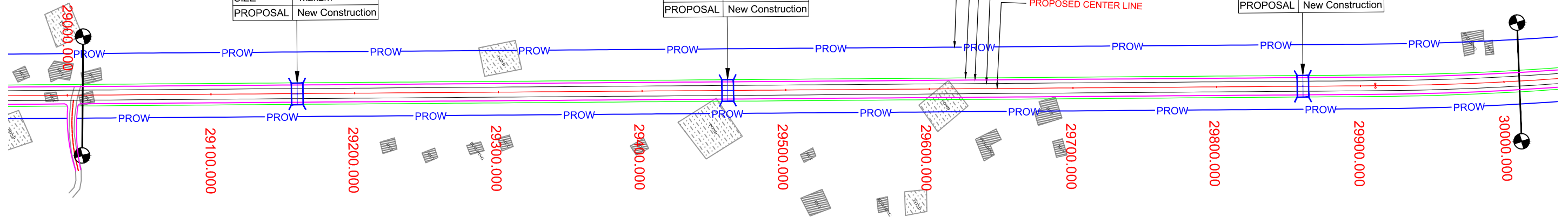
KAILASHAHAR

KURTI BRIDGE

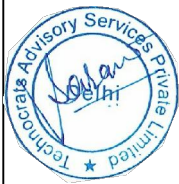
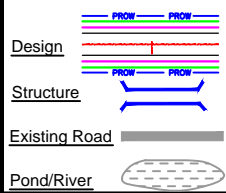
STR.NO	102
DES.CH	29+160
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

STR.NO	103
DES.CH	29+460
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

STR.NO	104
DES.CH	29+860
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction



LEGEND :



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 29+000 TO 30+000

Drawing No. :-

TASPL/NHIDCL/DDPR/P&P

Scale :-

1:2000

Drn

Deepak

Dgn.

B.Mishra

Appd

B.S Pandey

Sheet :

05 OF 12

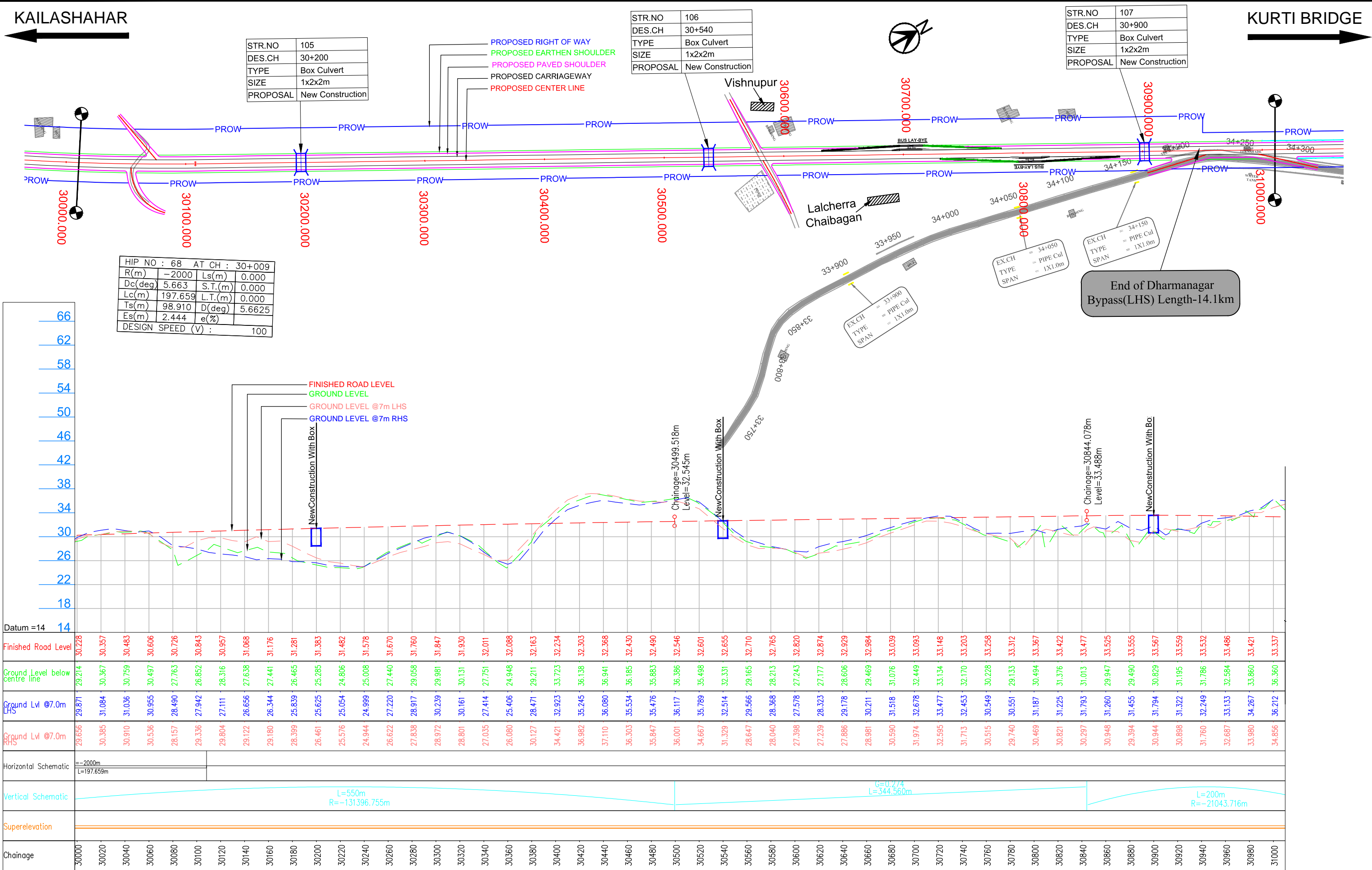
Date

DEC - 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092



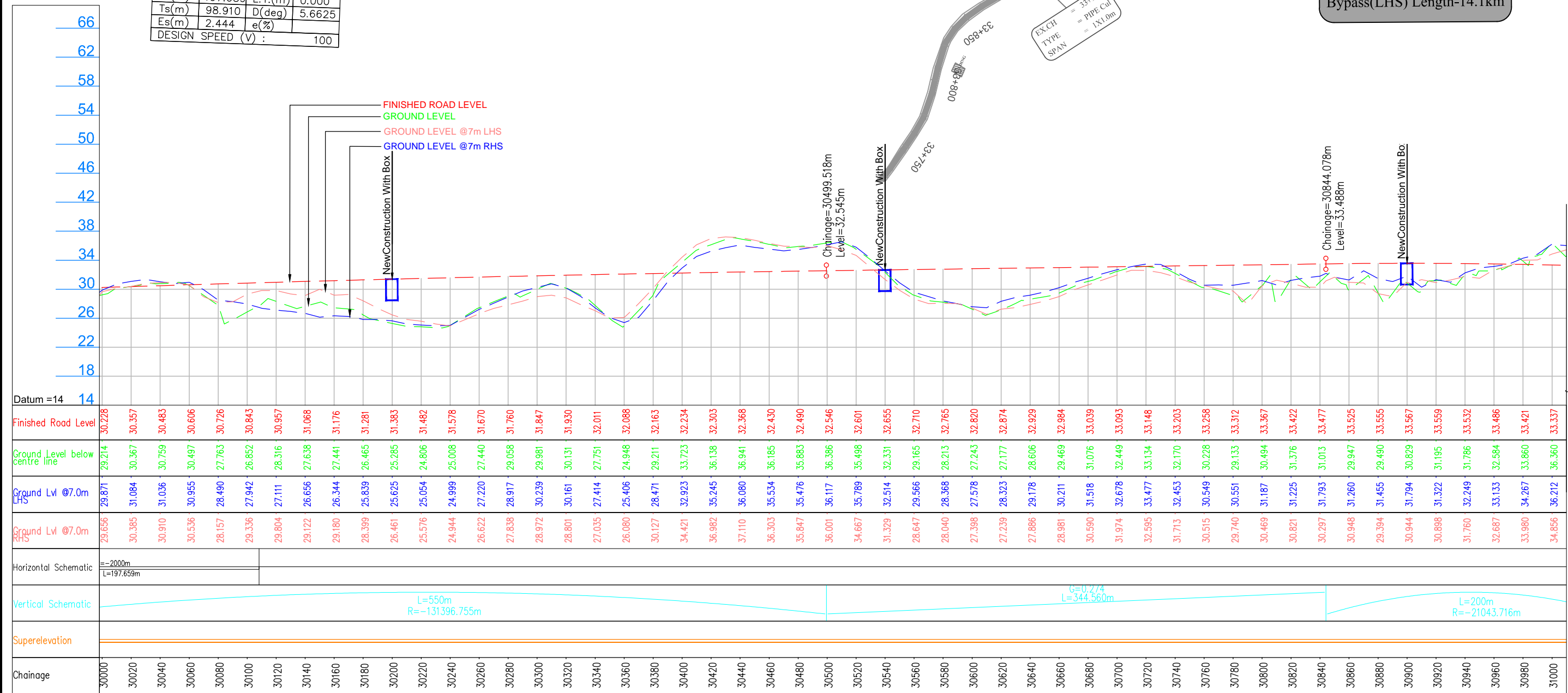
HIP NO : 68 AT CH : 30+009

R(m)	-2000	Ls(m)	0.000
Dc(deg)	5.663	S.T.(m)	0.000
Lc(m)	197.659	L.T.(m)	0.000
Ts(m)	98.910	D(deg)	5.6625
Es(m)	2.444	e(%)	
DESIGN SPEED (V) : 100			

STR.NO	105
DES.CH	30+200
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

STR.NO	106
DES.CH	30+540
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

STR.NO	107
DES.CH	30+900
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction



LEGEND :

- Design: PROW, PROW
- Structure: PROW, PROW
- Existing Road: PROW, PROW
- Pond/River: PROW, PROW

Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 30+000 TO 31+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn Deepak **Dgn.** B.Mishra **Appd** B.S Pandey

Sheet : 06 OF 12

Date DEC - 2019

CONSULTANT:

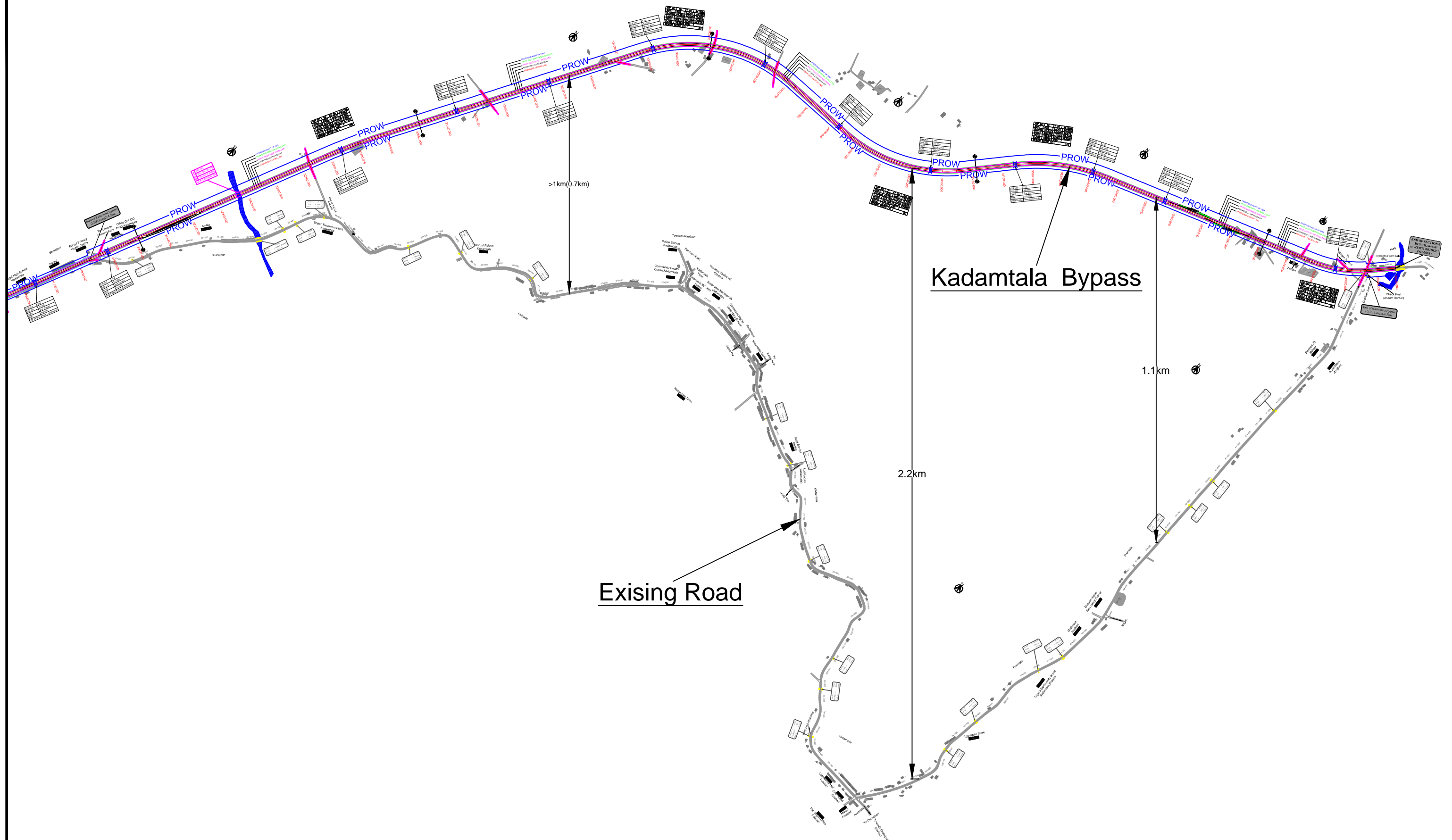
TASPL

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Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

Kadamtala Bypass LHS (Length - 4.5km)

KURTI BRIDGE



LEGEND :

Design	PROW
Structure	PROW
Existing Road	
Pond/River	



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
Kadamtala Bypass

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn

Dgn.

Appd

Deepak

B.Mishra

B.S Pandey

Sheet :

BP2 OF 12

Date

DEC - 2019

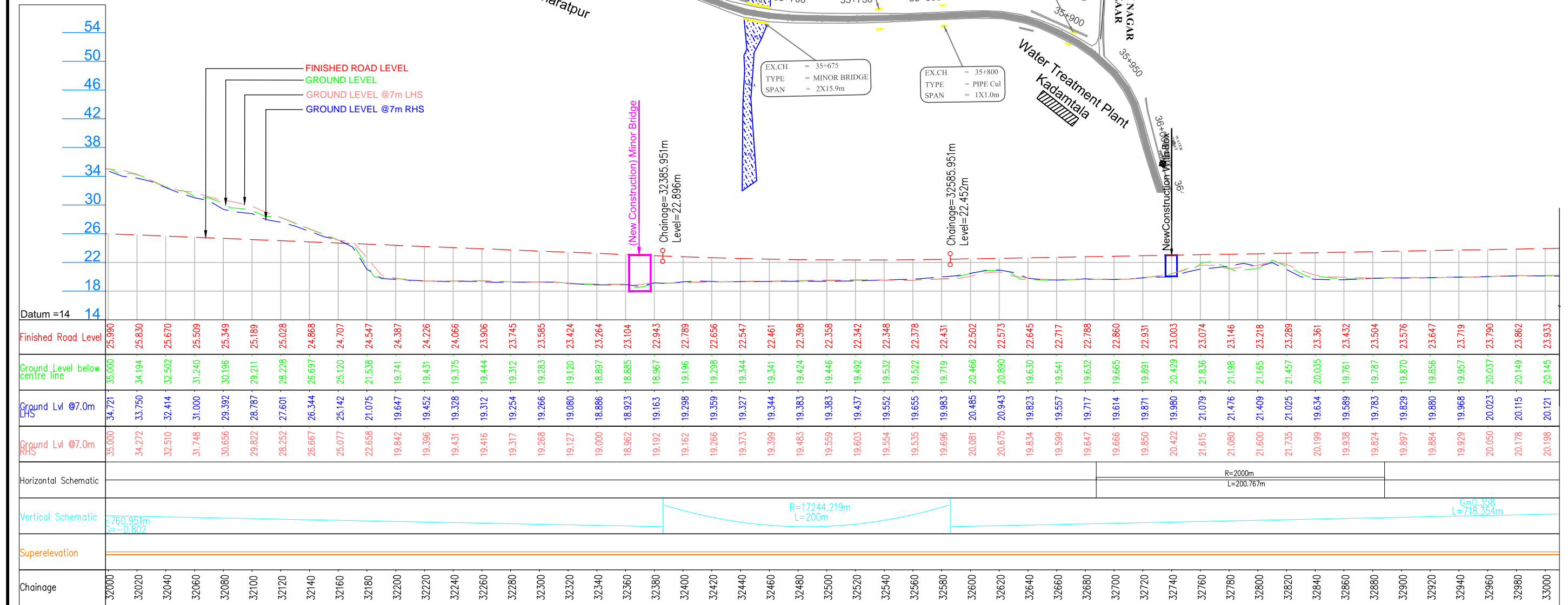
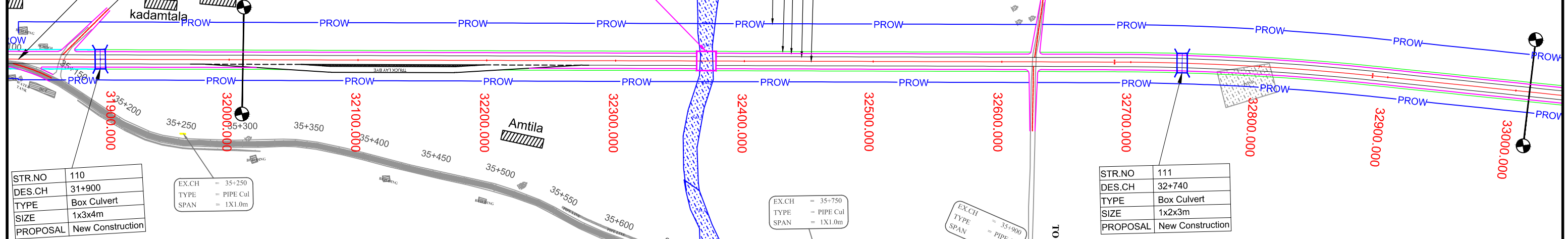
CONSULTANT:



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in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

KURTI BRIDGE

Start of Kadamtala Bypass
(LHS) Length-4.5kmTo Ranibari Chowmuhani
Office Of HDO
Kadamtala PWD, Kadamtala

LEGEND:

- Design
- Structure
- Existing Road
- Pond/River

Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES. CH. 32+000 TO 33+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn Dgn Appd

Deepak B. Mishra B. S. Pandey

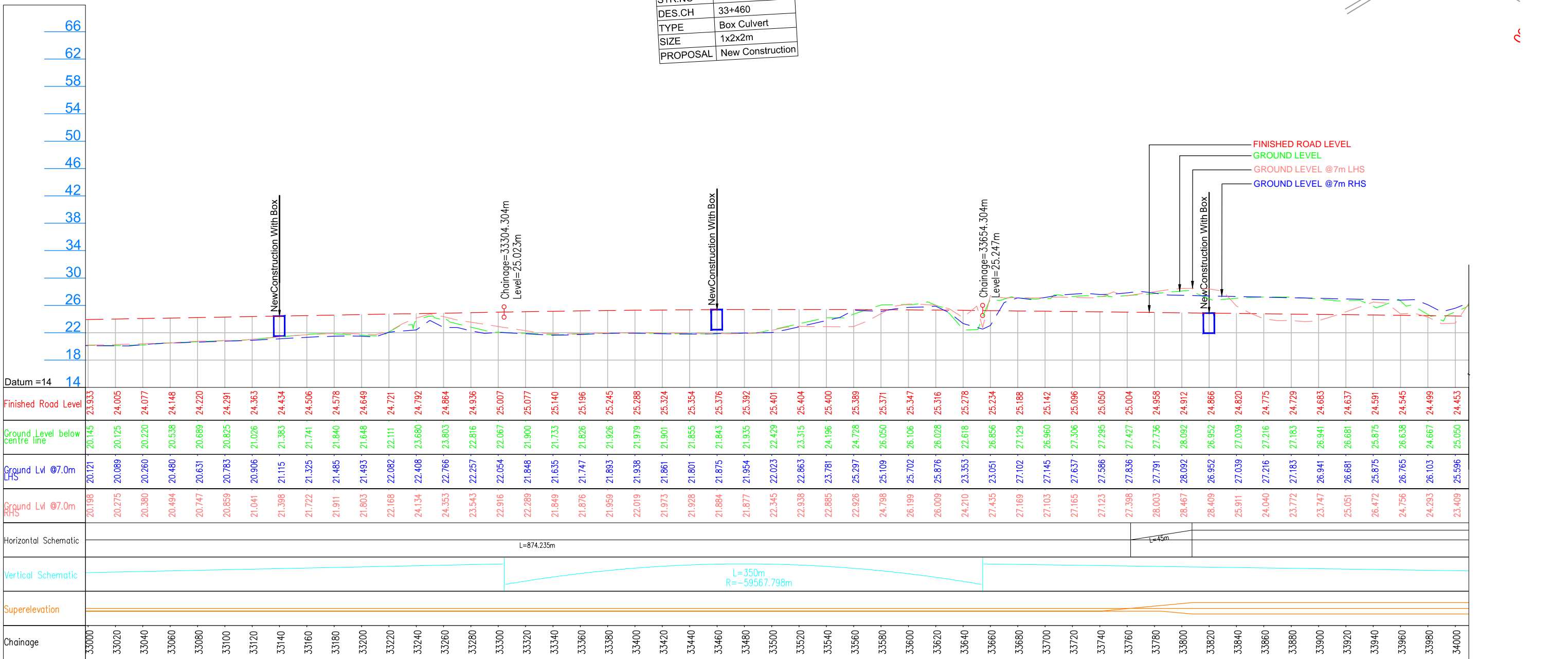
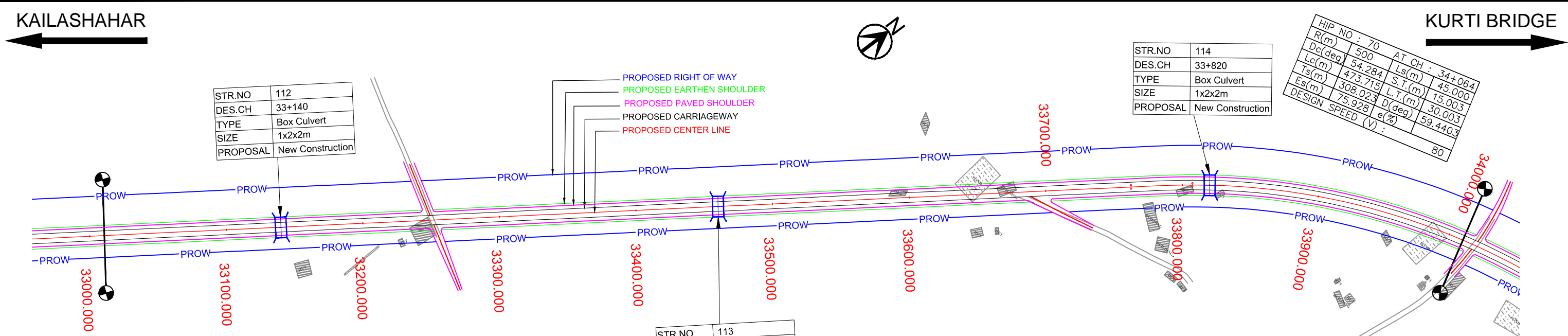
CONSULTANT:

TASPL

Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd

Flat No. 68, Ajanta Apartment, 36 I.P. Extension Patparganj, Delhi-110092



LEGEND :

Design: PROW, PROW, PROW, PROW

Structure: PROW, PROW

Existing Road: PROW, PROW

Pond/River: PROW, PROW

Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 33+000 TO 34+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

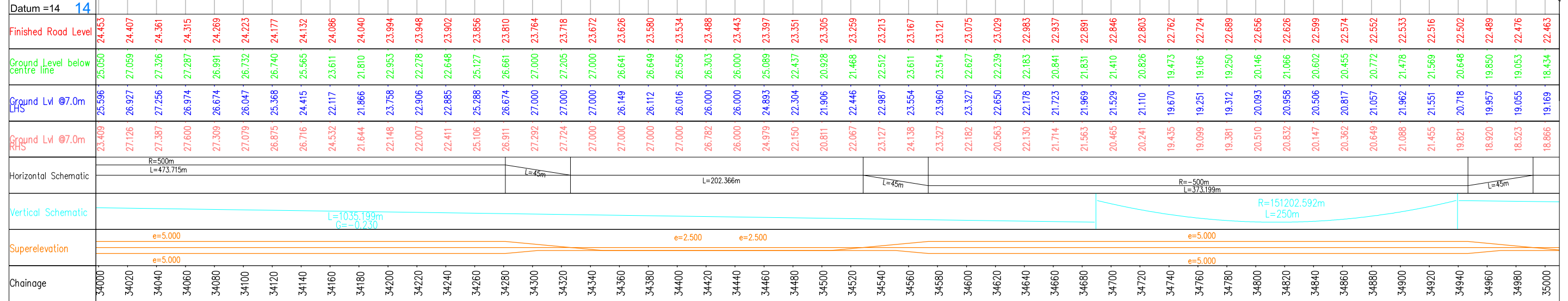
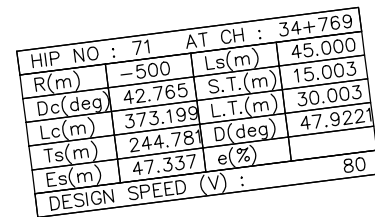
Drn Dgn Appd

Deepak B.Mishra B.S Pandey

CONSULTANT:

TASPL
Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

STR.NO	117
DES.CH	34+860
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction



CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.



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Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

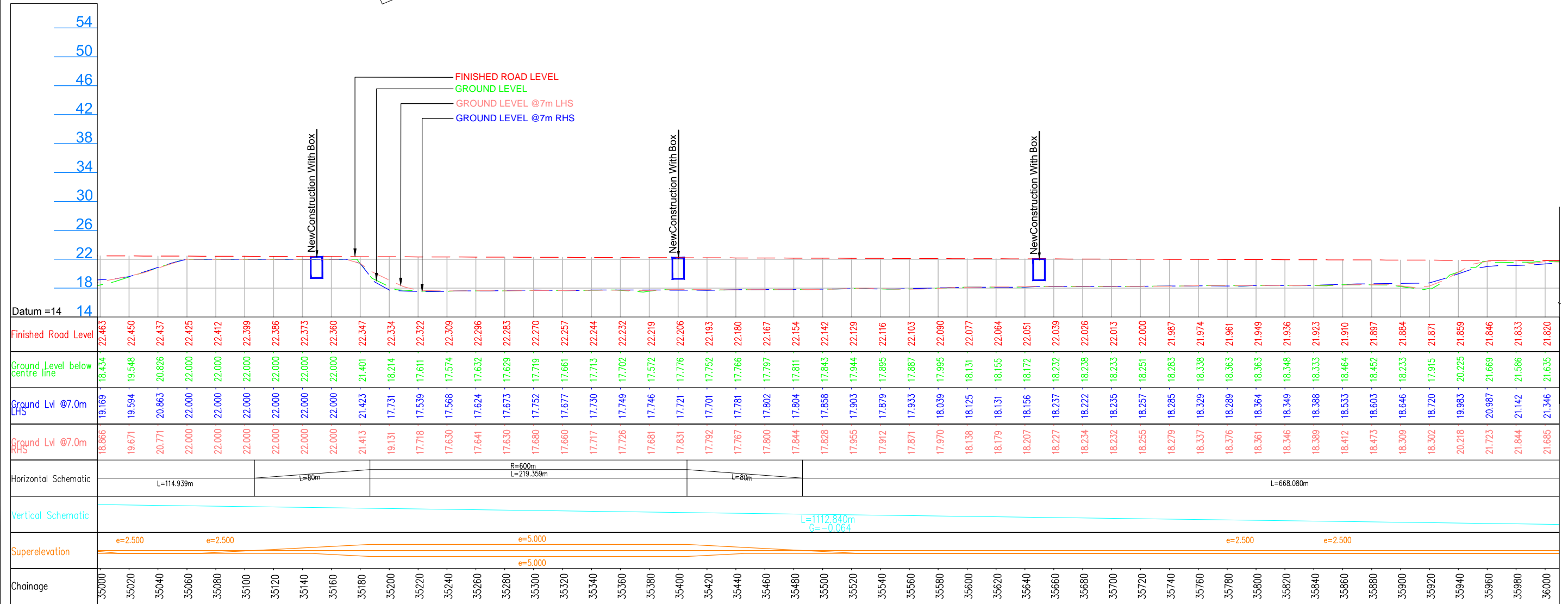
KURTI BRIDGE

HIP NO : 72	AT CH : 35+298
R(m) 600	Ls(m) 80.000
Dc(deg) 20.947	S.T.(m) 26.678
Lc(m) 219.359	L.T.(m) 53.346
Ts(m) 192.971	D(deg) 28.5867
Es(m) 19.625	e(%) 100
DESIGN SPEED (V) :	

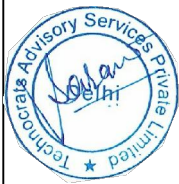
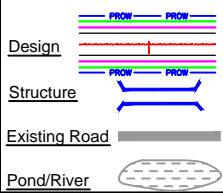
STR.NO	119
DES.CH	35+400
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction

STR.NO	120
DES.CH	35+650
TYPE	Box Culvert
SIZE	1x2x3m
PROPOSAL	New Construction

STR.NO	118
DES.CH	35+150
TYPE	Box Culvert
SIZE	1x2x2m
PROPOSAL	New Construction



LEGEND :



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 35+000 TO 36+000

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Drn Dgn Appd

Deepak B.Mishra B.S Pandey

Sheet :

11 OF 12

Date

DEC - 2019

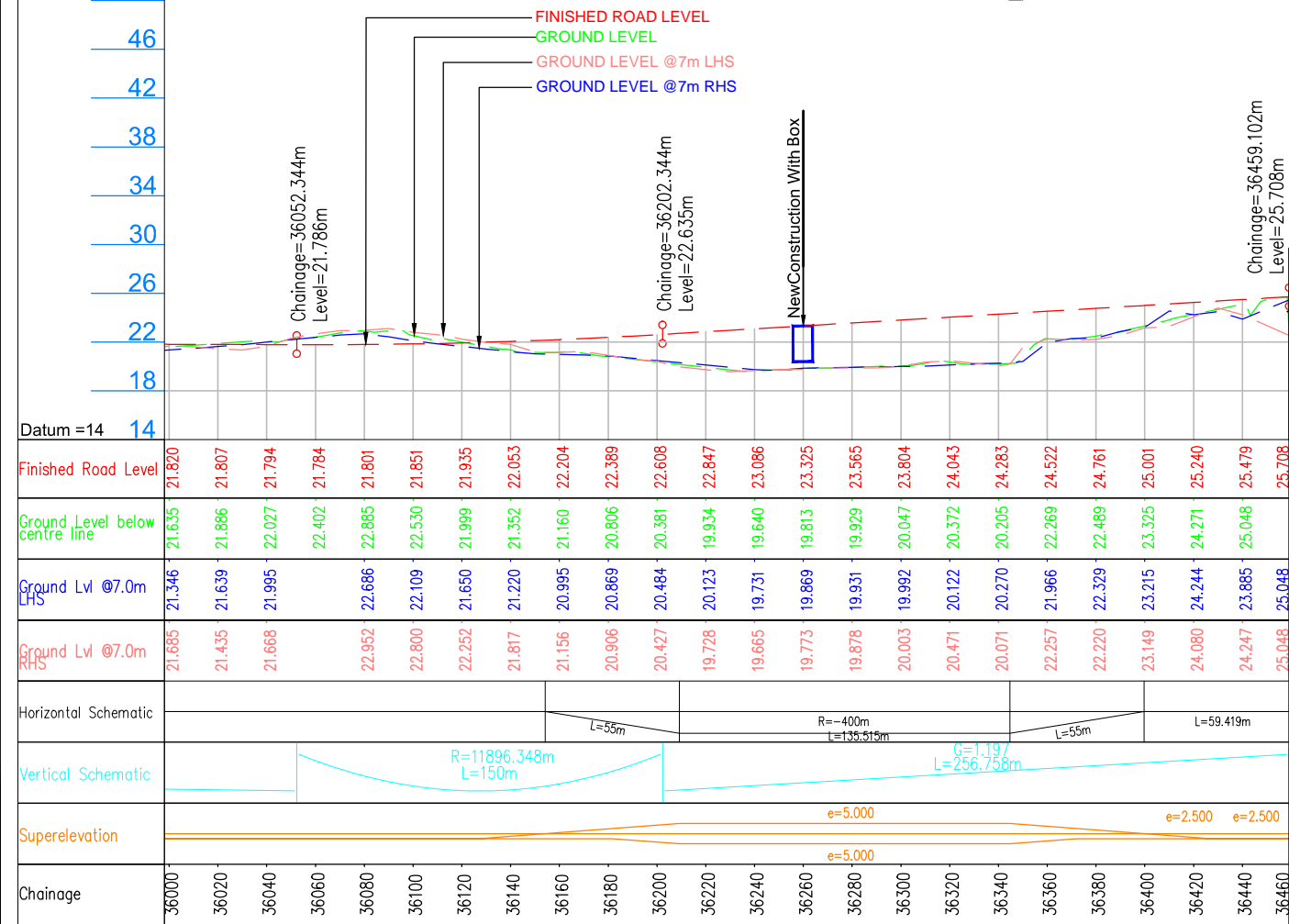
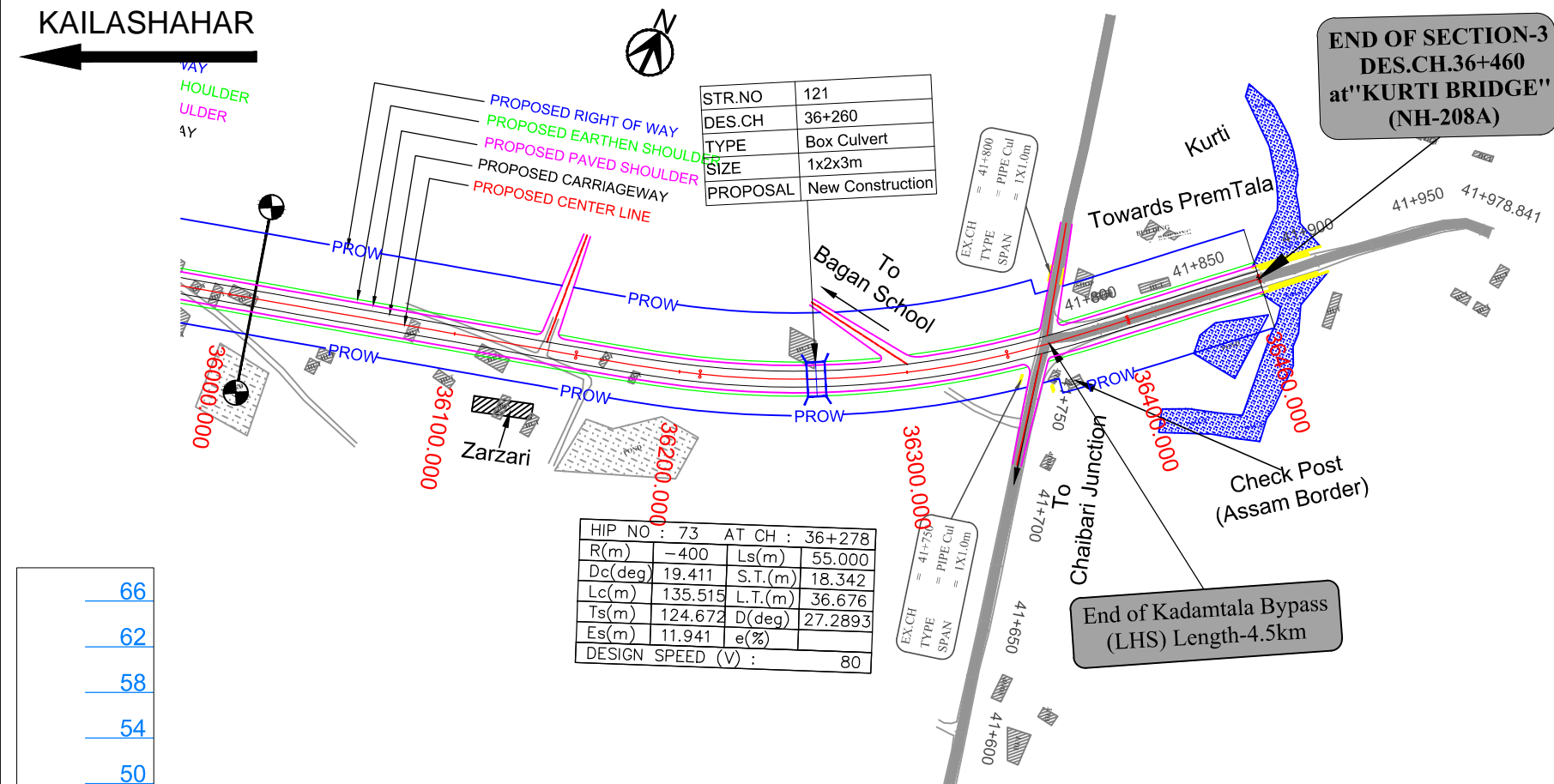
CONSULTANT:



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Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

KAILASHAHAR

KURTI BRIDGE



LEGEND :

- Design: PROPOSED RIGHT OF WAY, PROPOSED EARTHEN SHOULDER, PROPOSED PAVED SHOULDER, PROPOSED CARRIAGEWAY, PROPOSED CENTER LINE
- Structure: PROPOSED BOX CULVERT
- Existing Road: EXISTING ROAD
- Pond/River: POND/RIVER

Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

PLAN & PROFILE
DES.CH. 36+000 TO 36+460

Drawing No. :- TASPL/NHIDCL/DDPR/P&P

Scale :- 1:2000

Sheet : 12 OF 12

Date DEC - 2019

Drn Deepak

Dgn. B.Mishra

Appd B.S Pandey

CONSULTANT:

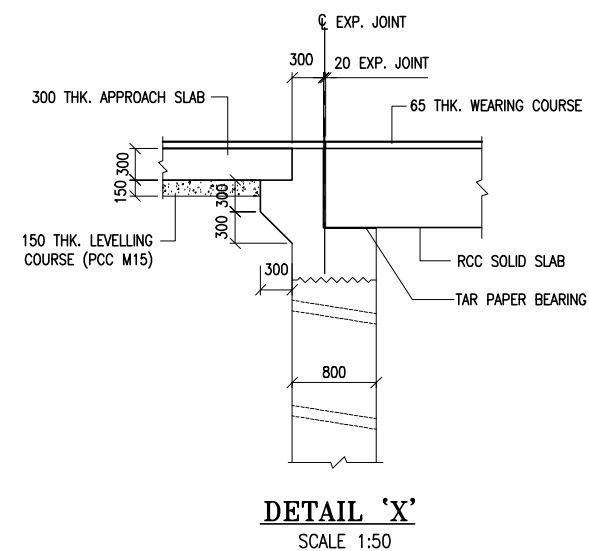
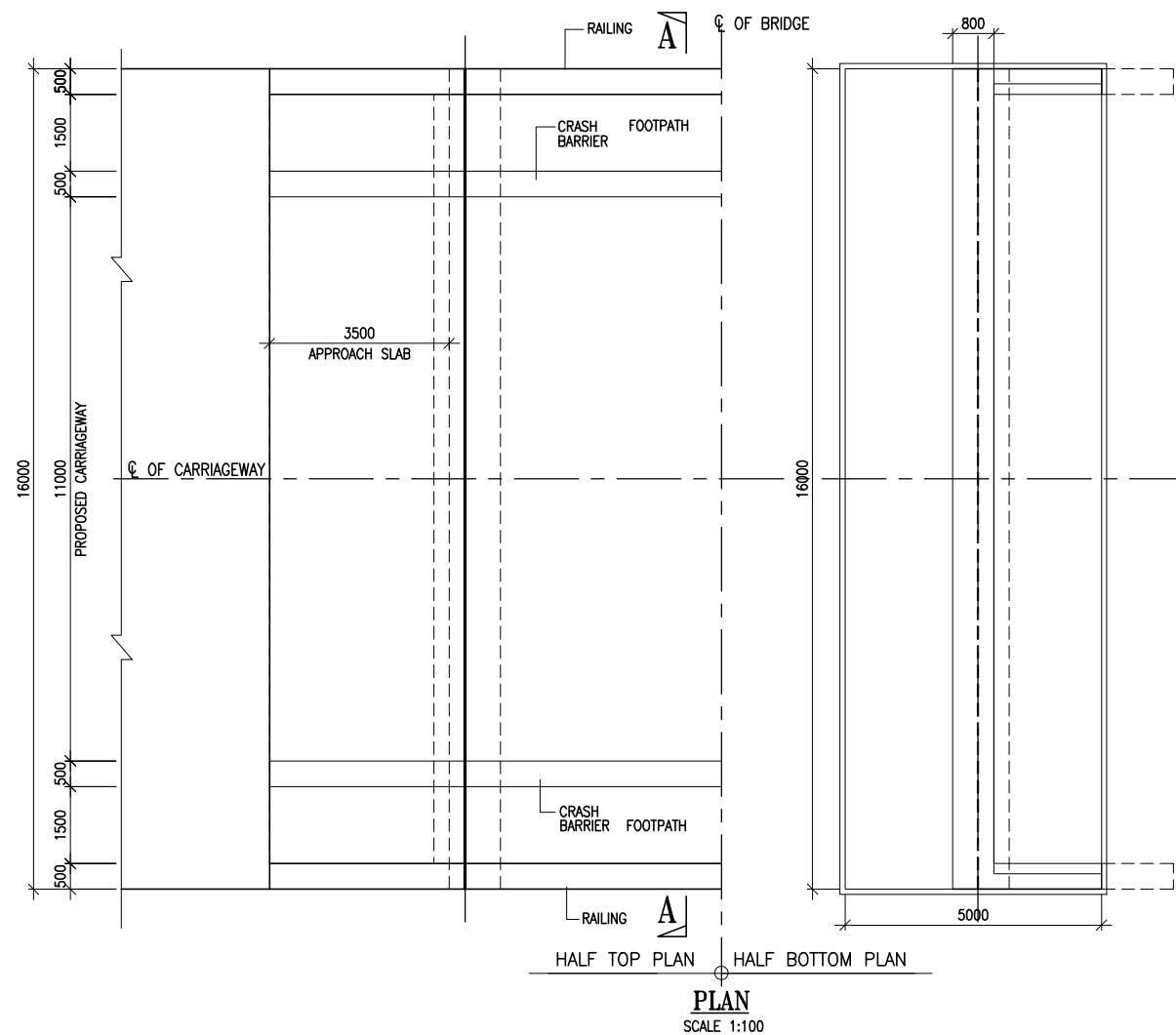
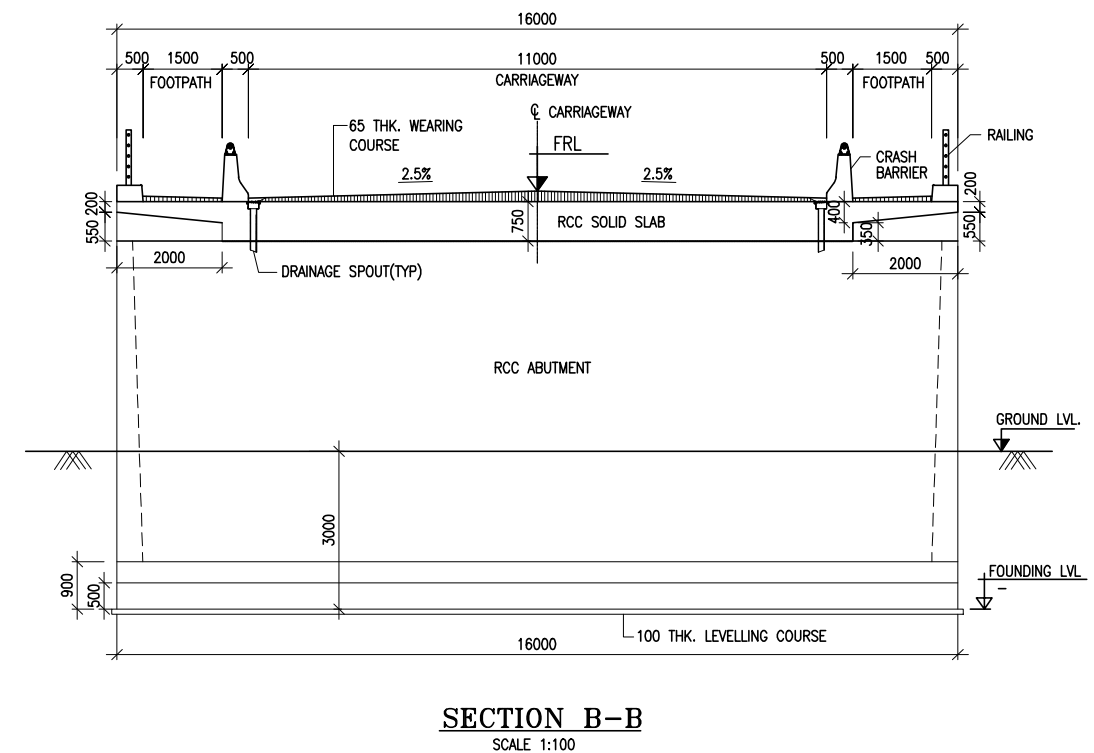
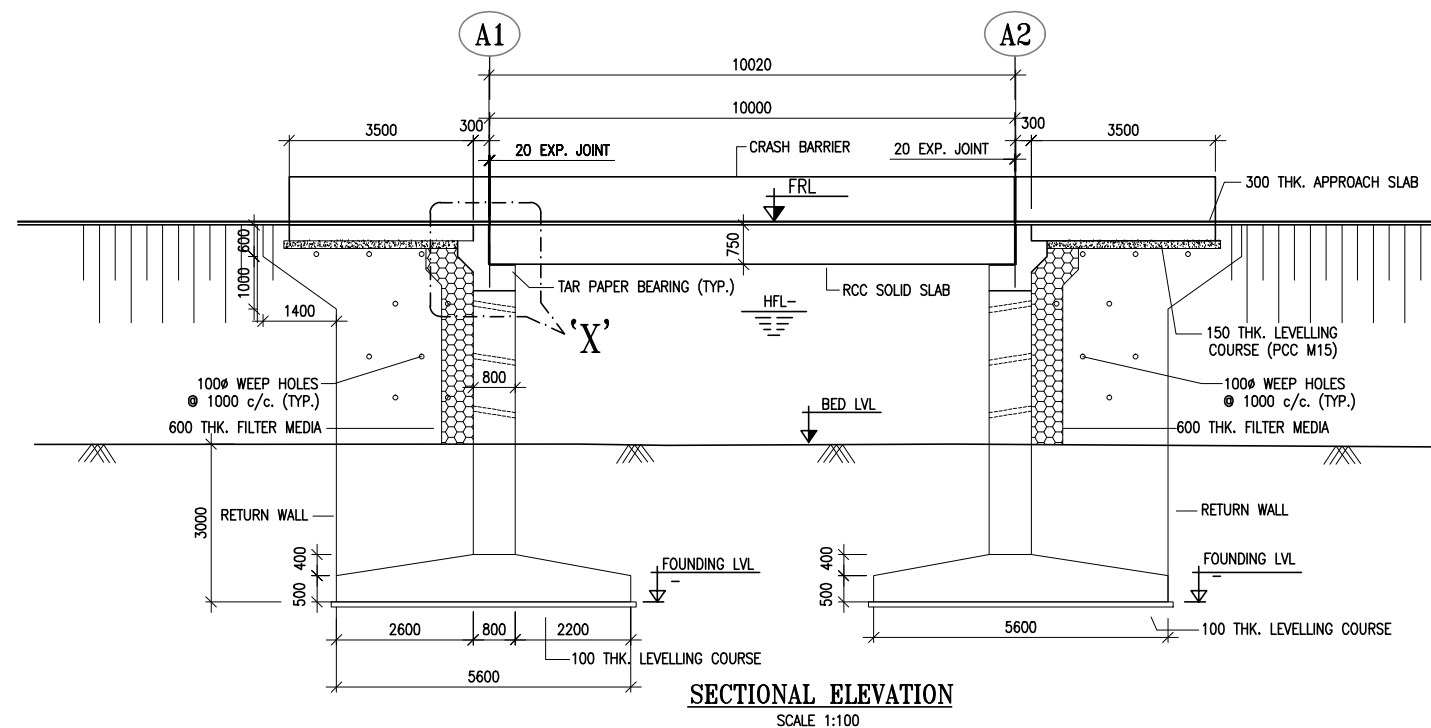
TASPL

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in association with Vaishnavi Infratech Services P. Ltd
Flat No. 68, Ajanta Apartment, 36 I.P.Extension
Patparganj, Delhi-110092

GENERAL ARRANGEMENT DRAWING

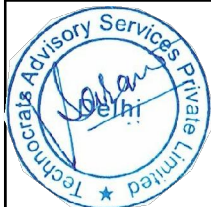


MINOR BRIDGE AT (1X10.0m SPAN) ►



- ## NOTES:
1. ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED. NO DIMENSIONS SHALL BE SCALED.
 2. STRUCTURE SHALL BE DESIGNED FOR ONE LANE OF IRC CLASS 70R+TWO LANE OF CLASS A OR 4 LANES OF IRC CLASS A LOADING OR 2 LANE OF IRC CLASS 70R LOADING WHICHEVER GOVERNS.
 3. CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH AS FOLLOWS:

RCC SOLID SLAB	-	M35
SUBSTRUCTURE	-	M35
OPEN FOUNDATION	-	M35
LEVELLING COURSE (PCC)	-	M15
APPROACH SLAB	-	M30
 4. REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE DESIGNATION Fe-500D CONFORMING TO IS:1786.
 5. 65mm TH. WEARING COURSE COMPRISING OF UNDER LAYER OF 40mm THK. ASPHALTIC CONCRETE OVERLAID WITH 25MM THICK MASTIC ASPHALT PROVIDED AS PER SECTION 500 OF MORTH SPECIFICATIONS.
 6. SLAB SEAL EXPANSION JOINTS OF PROVEN QUALITY SHALL BE PROVIDED.
 7. WEEP HOLES, SPACED AT 1000 c/c BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN A STAGGERED MANNER IN ABUTMENT & RETURN WALL UPTO H.F.L.
 8. MAXIMUM BEARING PRESSURE AT FOUNDING LEVEL = $20t/m^2$
 9. THE SBC AT FOUNDING LEVEL SHALL BE VERIFIED AT SITE BEFORE CONSTRUCTION.



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

GENERAL ARRANGEMENT DRAWING FOR
MINOR BRIDGE (1x10.0m)

Drawing No. :-	TASPL/NHIDCL/FFR/GAD/09
----------------	-------------------------

Sheet :

01 OF 01

Scale :- AS SHOWN

Drn
D.S

Dgn.
D.P.S

	Appd
	B.S.Pandey

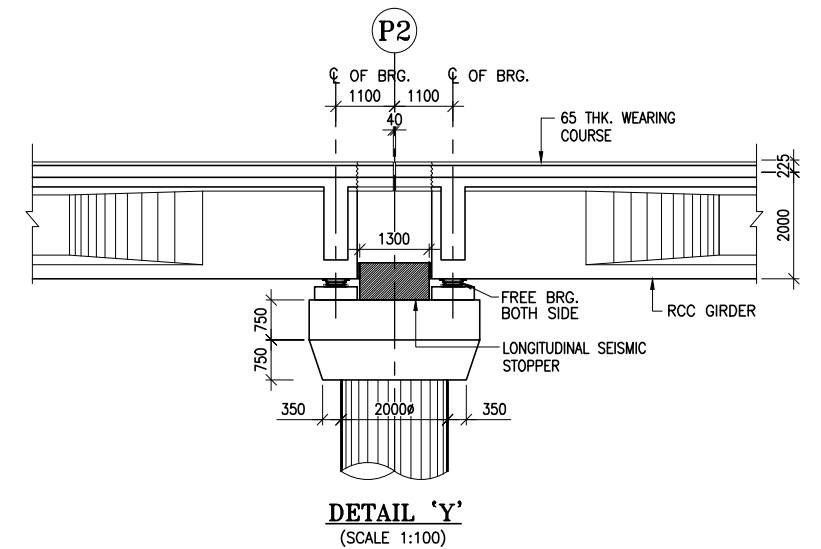
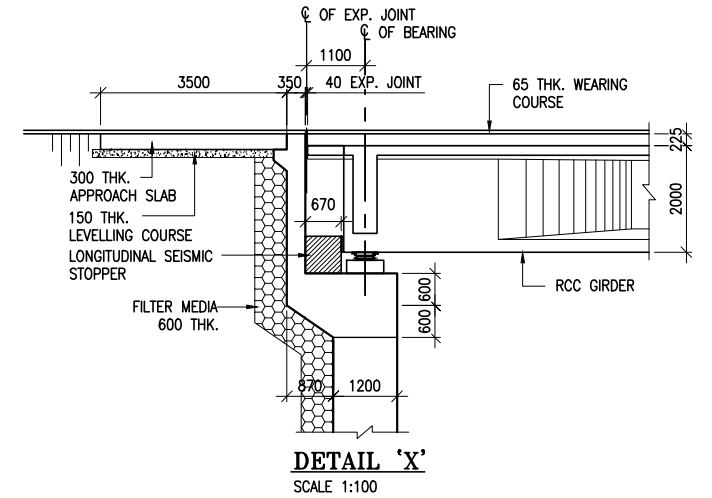
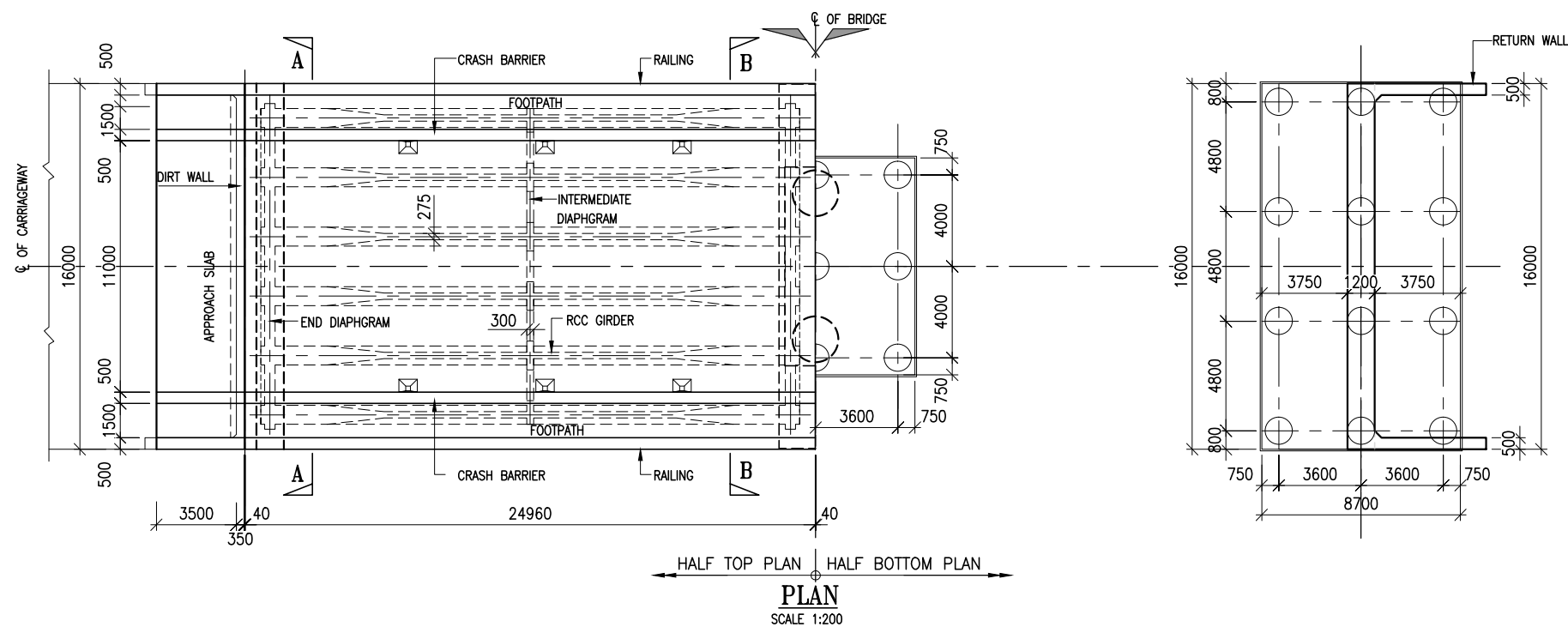
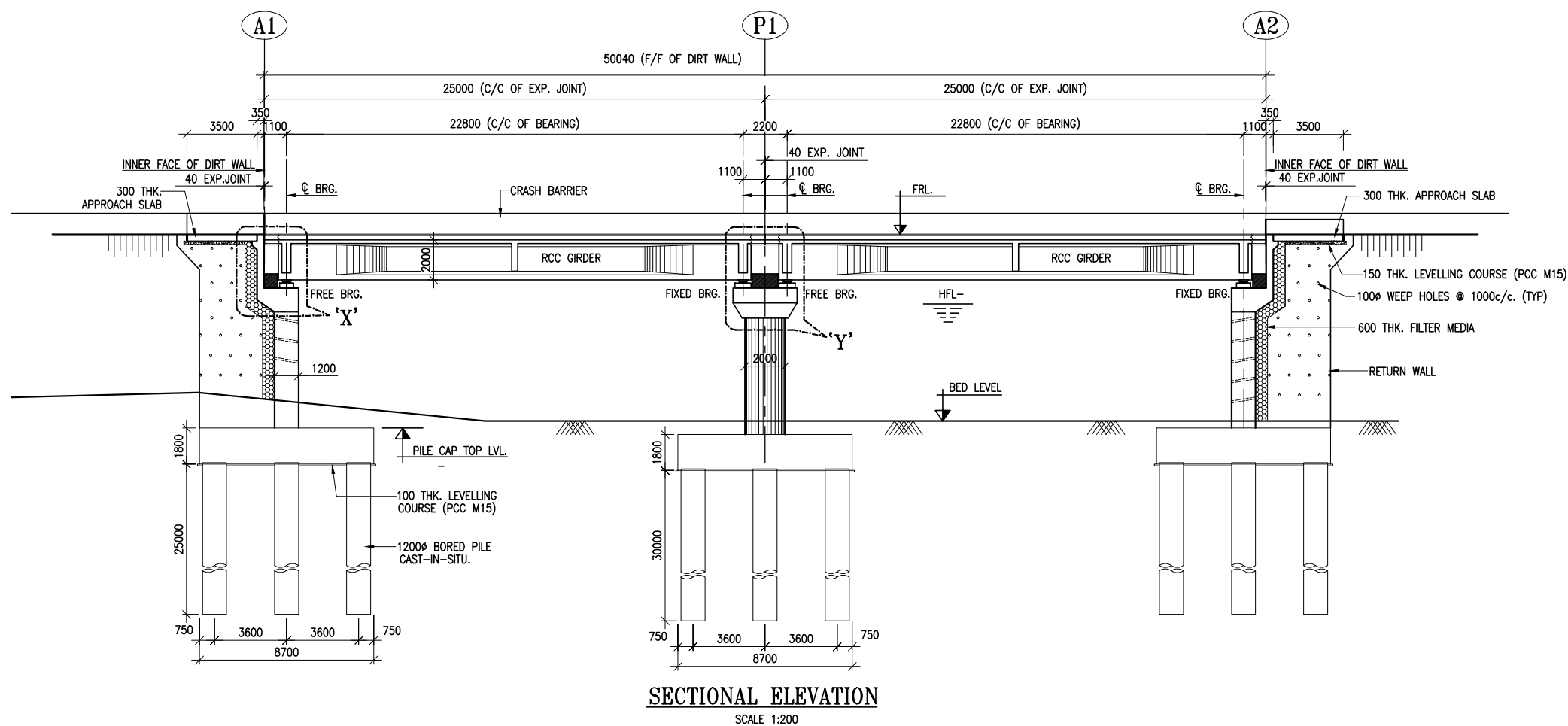
Date
DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

MINOR BRIDGE (2X25.0m SPAN) ►



- NOTES:**
- ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED. NO DIMENSIONS SHALL BE SCALED.
 - EACH STRUCTURE SHALL BE DESIGNED FOR 2 LANES OF CLASS 70R VEHICLE OR 1 LANE OF CLASS 70R + 2 LANES OF CLASS A OR 4 LANES OF CLASS A WHICHEVER GOVERNS.
 - CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH AS FOLLOWS:
 RCC DECK SLAB - M35
 PRECAST RCC GIRDER - M35
 PSC GIRDER - M45
 PEDESTAL - M40
 PIER & PIER CAP - M35
 ABUTMENT - M35
 PILE & PILE CAP - M35
 APPROACH SLAB - M30
 LEVELLING COURSE (PCC) - M15
 - REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE DESIGNATION Fe-500D CONFORM TO IS:1786.
 - 65mm TH. WEARING COURSE COMPRISING OF UNDER LAYER OF 40mm THK. ASPHALTIC CONCRETE OVERLAID WITH 25mm THK MASTIC ASPHALT. PROVIDED AS PER SECTION 500 OF MORTH SPECIFICATIONS.
 - STRIP SEAL TYPE EXPANSION JOINTS OF PROVEN QUALITY SHALL BE PROVIDED.
 - WEEP HOLES, SPACED AT 1000 c/c BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN A STAGGERED MANNER IN ABUTMENT & RETURN WALL UPTO H.F.L.



Project Title:-
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.
KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:

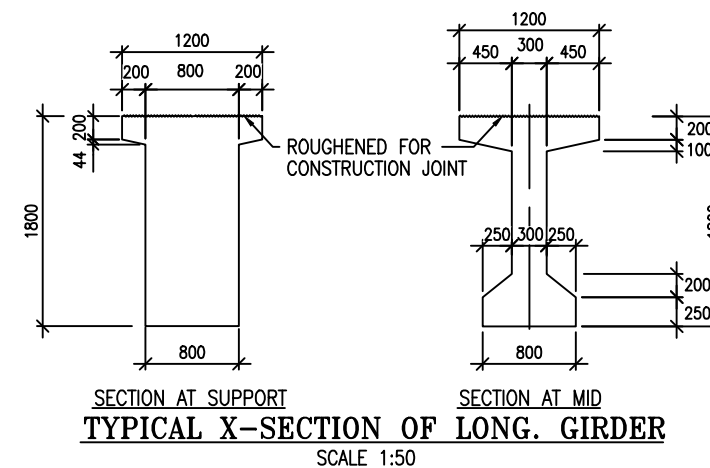
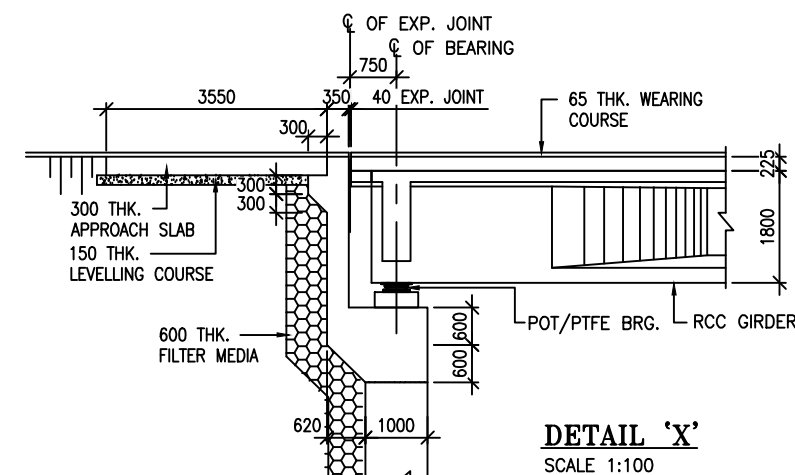
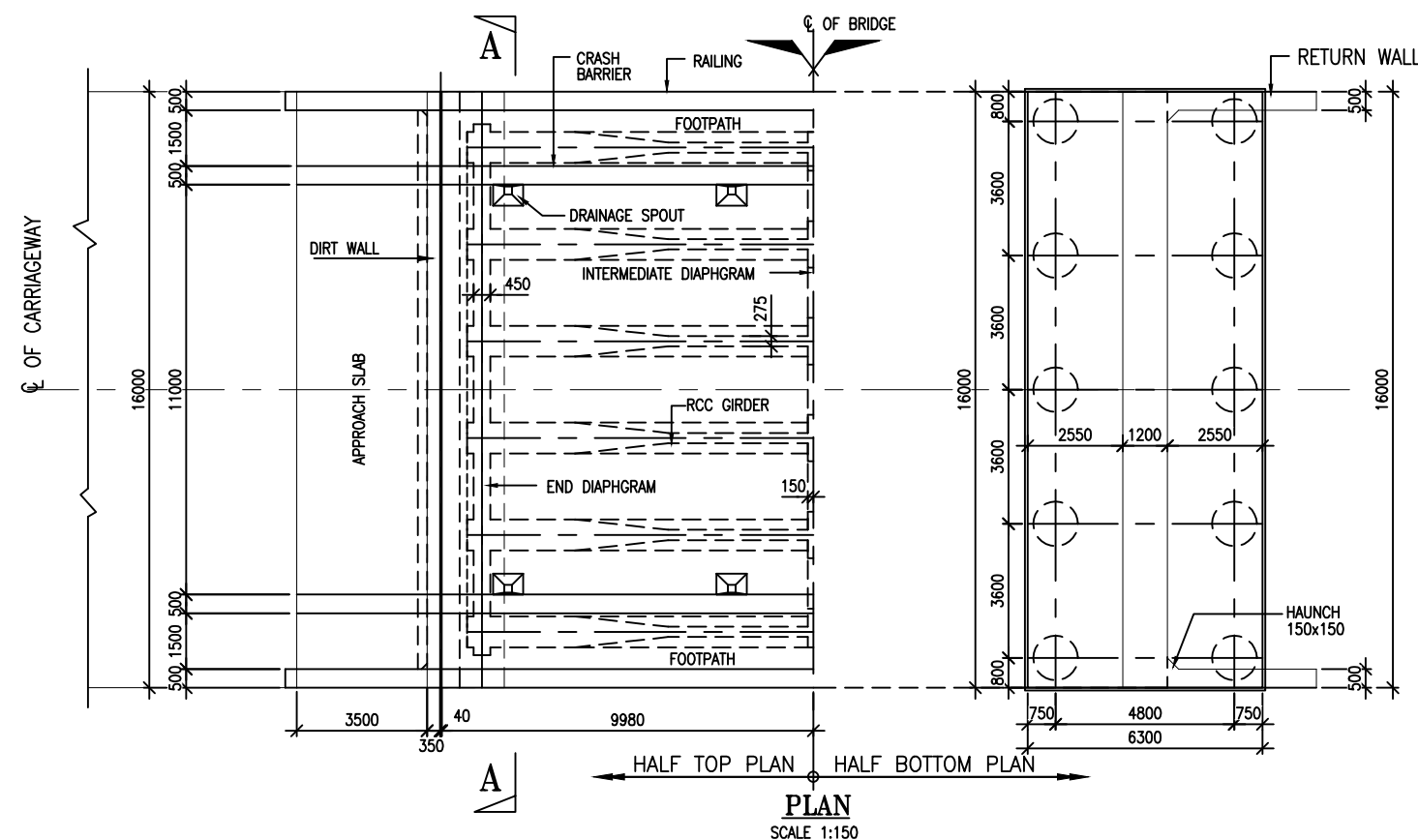
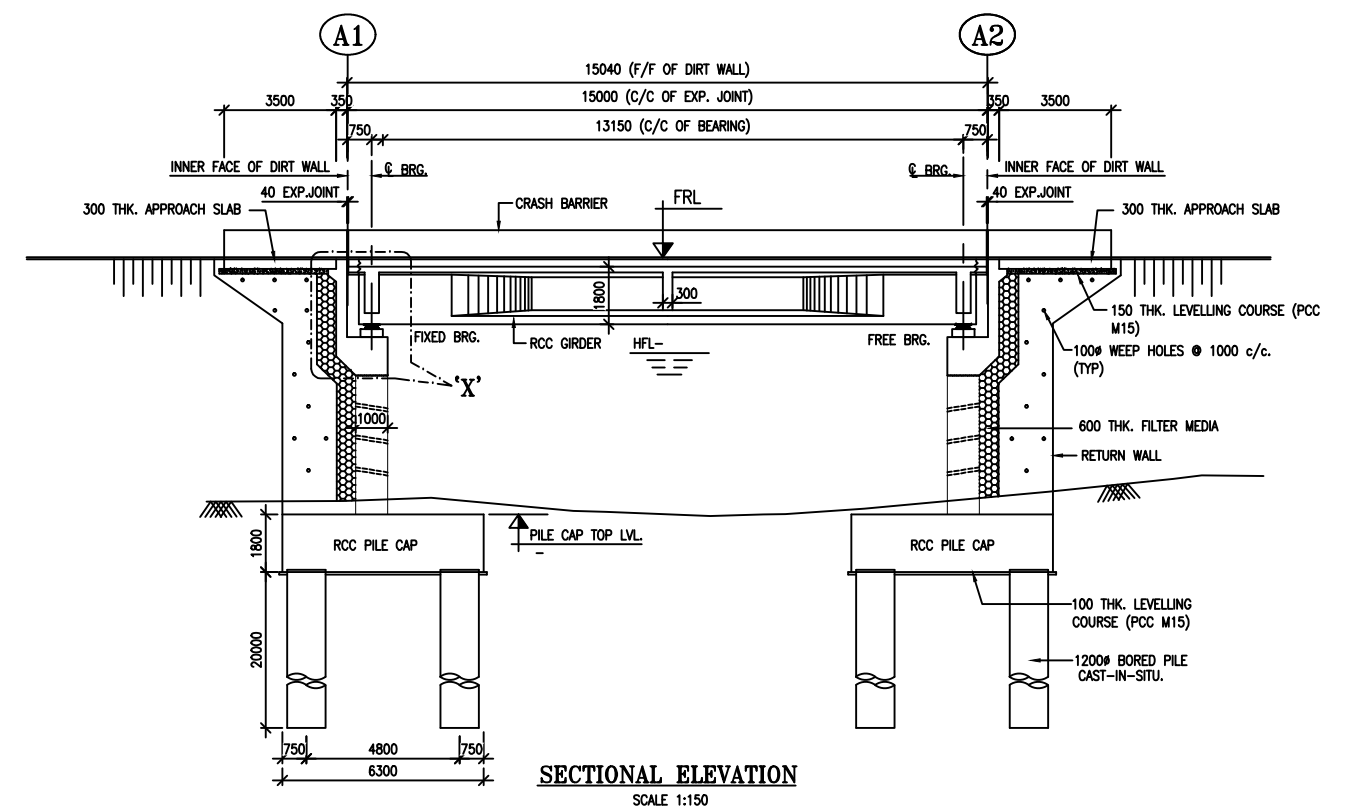
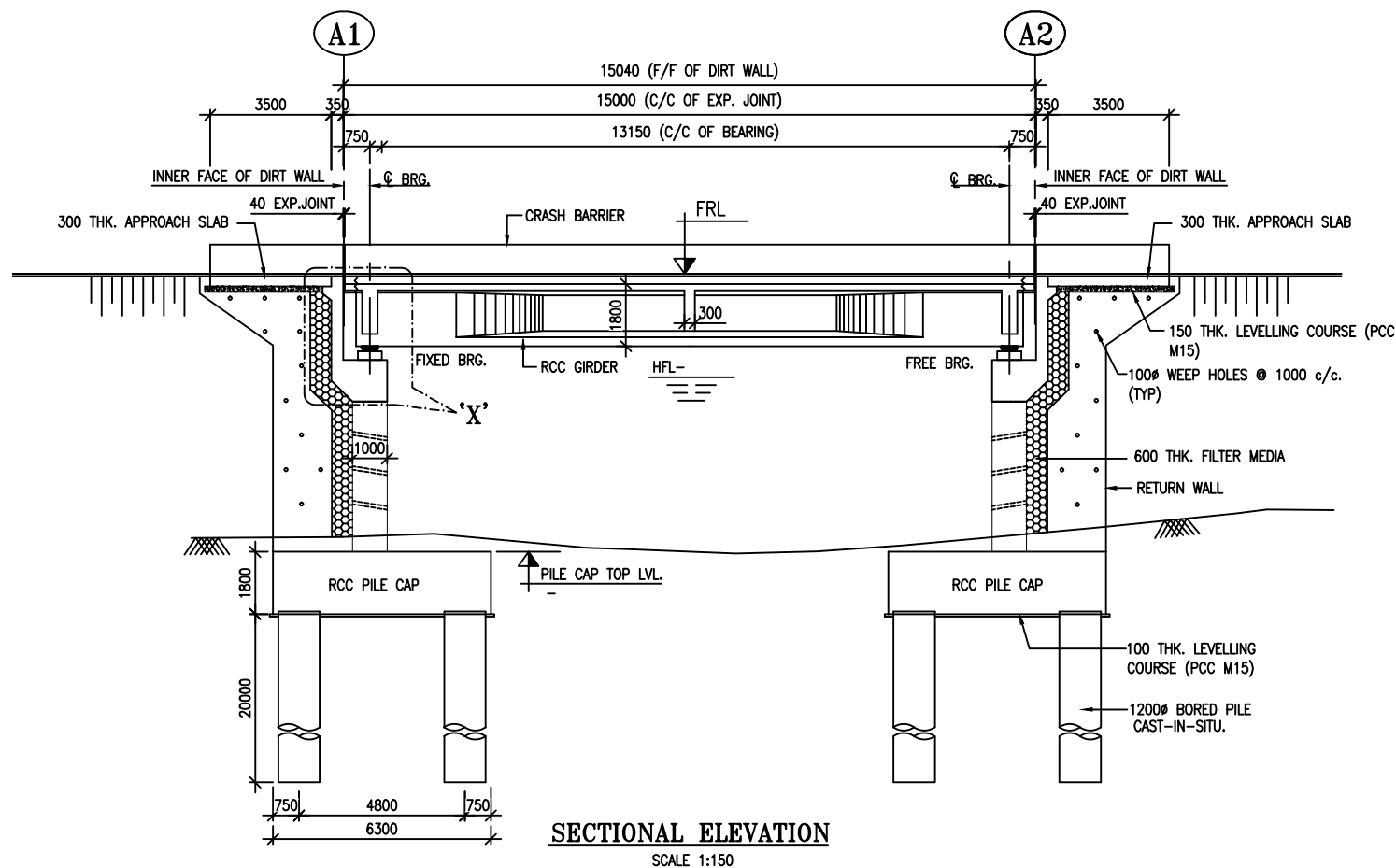
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:
 GENERAL ARRANGEMENT DRAWING
 MINOR BRIDGE AT (2X25.0m SPAN)
Drawing No. :- TASPL/NHIDCL/FFR/GAD/09
Scale :- AS SHOWN
Drn **Dgn.** **Appd**
D.S **D.P.S** **B.S.Pandey**

CONSULTANT:

Technocrats Advisory Services Private Limited
 in association with Vaishnavi Infratech Services P. Ltd
 68, Ajanta Apartments, 36, I.P. Extension
 Patparganj Delhi-110092.

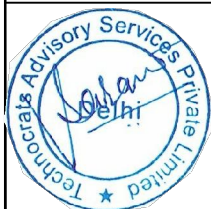
MINOR BRIDGE AT (1X15.0m SPAN) ►



- NOTES:**

1. ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED. NO DIMENSIONS SHALL BE SCALED.
2. EACH STRUCTURE SHALL BE DESIGNED FOR 2 LANES OF CLASS 70R VEHICLE OR 1 LANE OF CLASS 70R +2LANES OF CLASS A OR 4 LANES OF CLASS A WHICHEVER GOVERNS.
3. CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH AS FOLLOWS:

RCC DECK SLAB	—	M35
PRECAST RCC GIRDER	—	M35
PEDESTAL	—	M40
ABUTMENT	—	M35
PILE & PILE CAP	—	M35
APPROACH SLAB	—	M30
LEVELLING COURSE (PCC)	—	M15
4. REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE DESIGNATION Fe-500D CONFORM TO IS:1786.
5. 65mm TH. WEARING COURSE COMPRISING OF UNDER LAYER OF 40mm THK. ASPHALTIC CONCRETE OVERLAID WITH 25mm THK MASTIC ASPHALT. PROVIDED AS PER SECTION 500 OF MORTH SPECIFICATIONS.
6. STRIP SEAL TYPE EXPANSION JOINTS OF PROVEN QUALITY SHALL BE PROVIDED.
7. WEEP HOLES, SPACED AT 1000 c/c BOTH HORIZONTALLY AND VERTICALLY SHALL BE PROVIDED IN A STAGGERED MANNER IN ABUTMENT & RETURN WALL UP TO H.F.L.



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

GENERAL ARRANGEMENT DRAWING
MINOR BRIDGE (1x15.0m)

Drawing No. :- TASPL/NHIDCL/FFR/GAD/09

Sheet :

01 OF 01

Scale :- AS SHOWN

Drn
D.S

Dgn.	Appd
D.P.S	B.S.Pandey

Date
DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

CULVERT DRAWING



BOX CULVERT



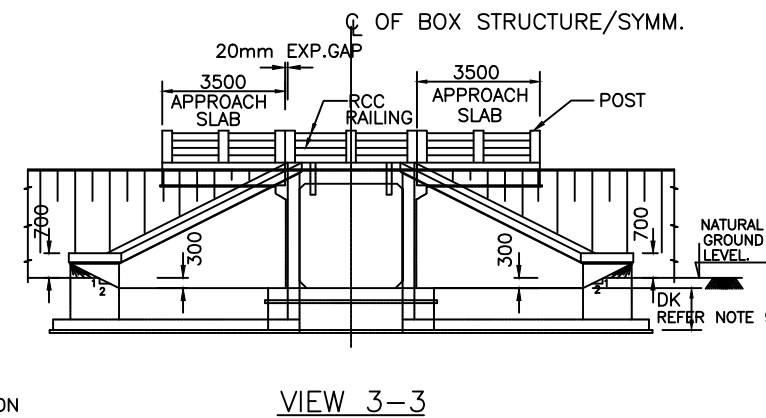
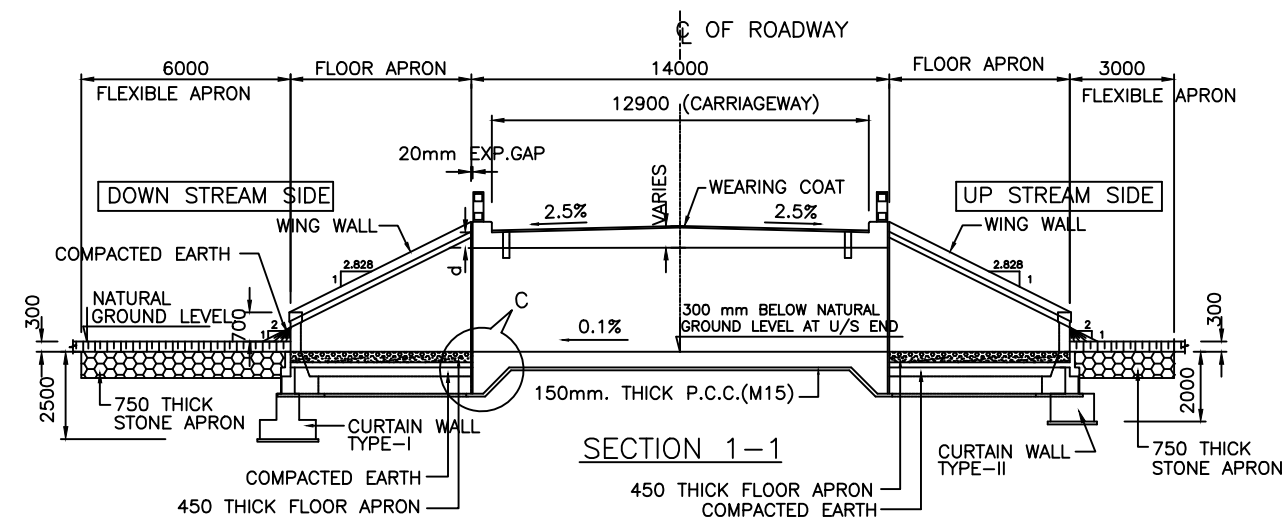
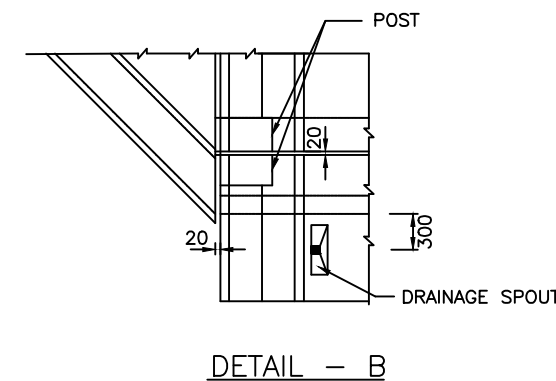
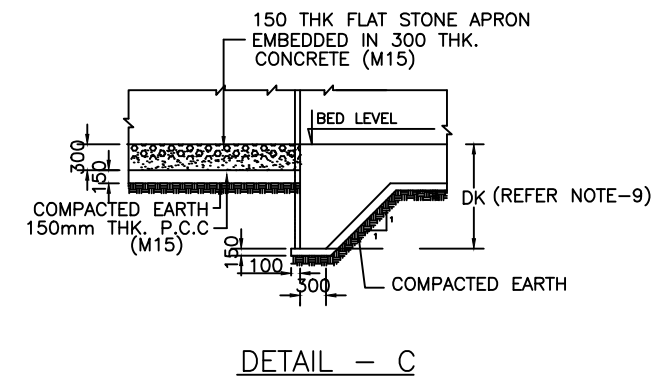


TABLE SHOWING SALIENT DIMENSIONS

BOX CELL DESIGNATION Nc/ab/Ec	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	REQUIRED BEARING CAPACITY CATEGORY	DESIGN BASE PRESSURE (T/M ²)	ALLOWABLE DRAWDOWN AT A TIME (M)
1/22/0	2000	2000	500	350	380	300	C	11.62	0.00
1/23/0	2000	3000	1300	370	420	350	C	11.01	2.98
1/33/0	3000	3000	900	420	420	420	C	10.50	2.15
1/34/0	3000	4000	1700	450	480	460	C	11.37	4.81
1/43/0	4000	3000	400	450	500	500	C	10.53	1.29
1/44/0	4000	4000	1200	480	550	550	C	11.07	3.99
1/45/0	4000	5000	1900	520	620	630	C	12.48	6.14
1/53/0	5000	3000	300	500	570	570	B	9.83	1.73
1/54/0	5000	4000	800	520	600	620	C	10.66	3.40
1/55/0	5000	5000	1500	580	680	700	C	12.40	5.81
1/63/0	6000	3000	300	680	720	720	B	9.88	2.96
1/64/0	6000	4000	300	680	720	750	C	10.93	3.18
1/65/0	6000	5000	1100	680	750	750	C	11.77	5.35
1/66/0	6000	6000	1800	700	800	850	C	13.21	7.50
1/75/0	7000	5000	600	750	850	850	C	11.59	4.86
1/76/0	7000	6000	1200	780	920	950	C	13.00	6.93
1/77/0	7000	7000	1300	780	950	950	C	13.10	7.18
1/85/0	8000	5000	300	800	950	950	C	11.37	4.83
1/86/0	8000	6000	900	820	970	1000	C	12.52	6.56
1/87/0	8000	7000	1300	850	1100	1200	C	14.36	8.62

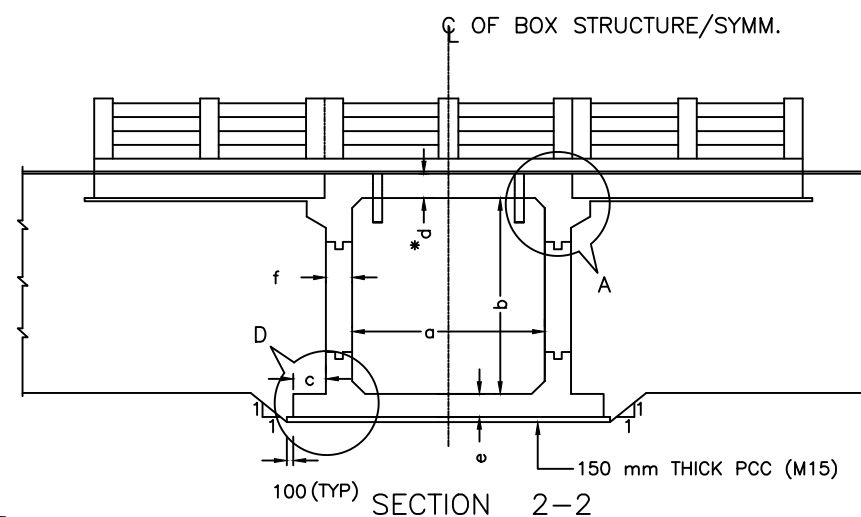
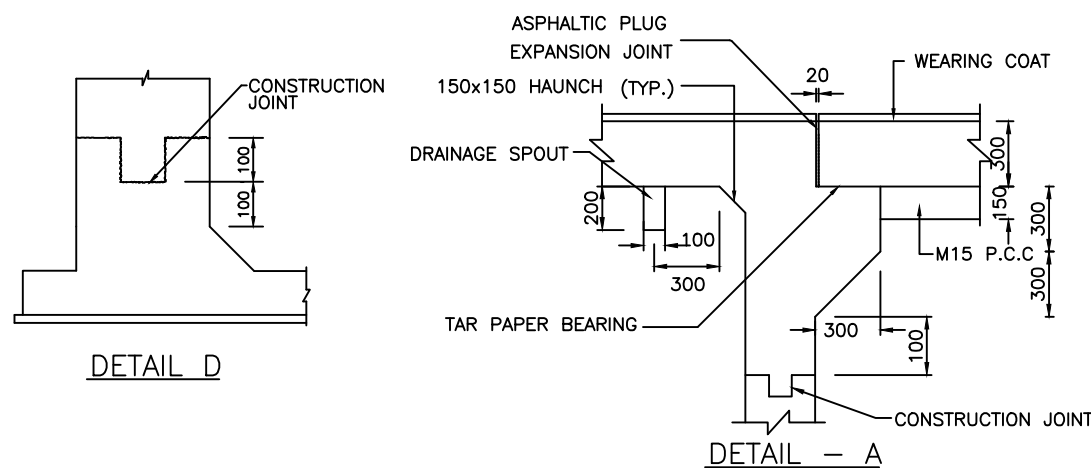
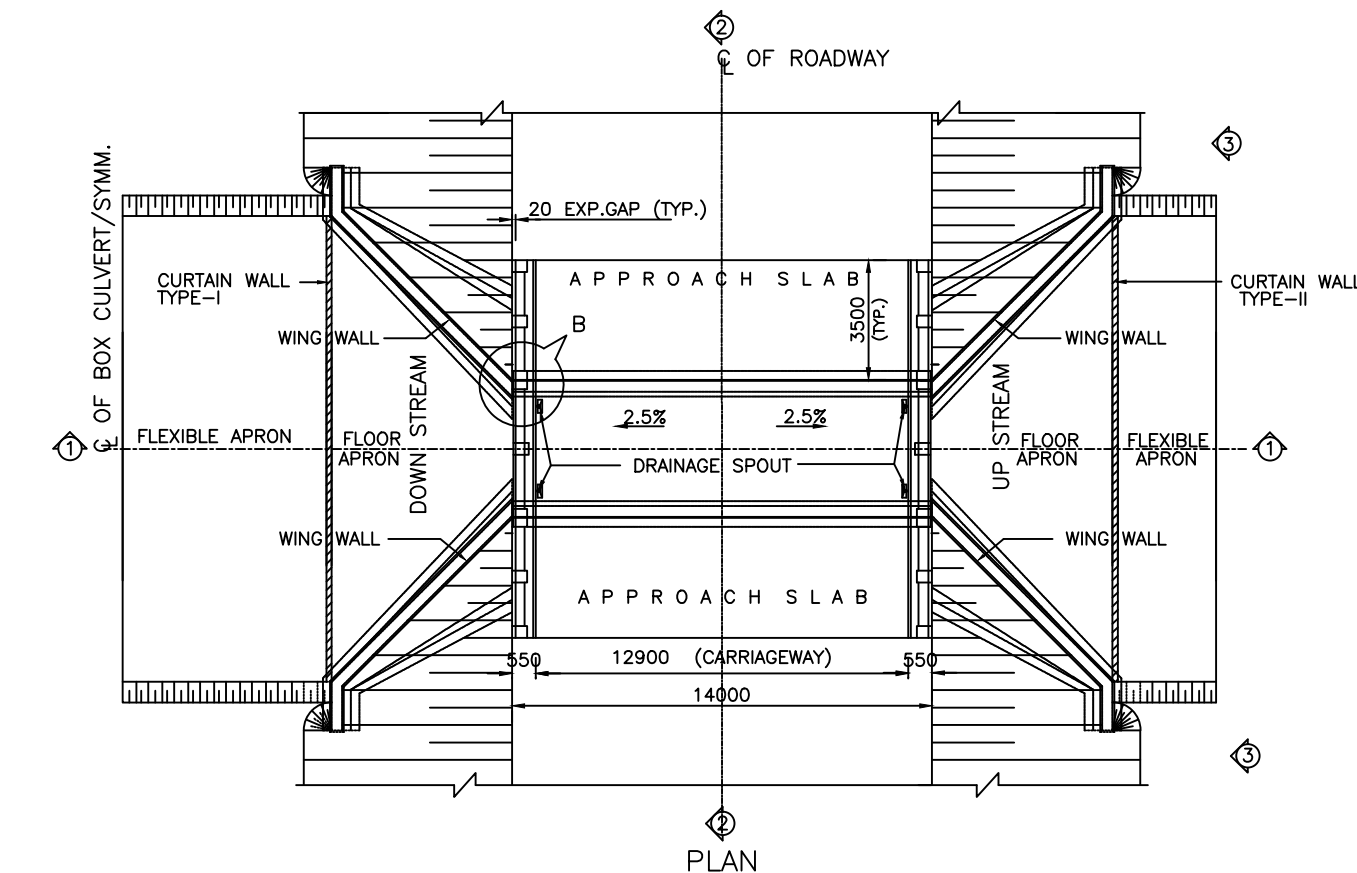


NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- FOR GENERAL NOTES AND REFERENCE DRAWINGS REFER DRG. NO. SD/101.
- FOR REINFORCEMENT DETAILS REFER DRG. NO. SD/108.
- FOR DETAILS OF WING WALL REFER DWG. NO. SD/113.
- SOIL DENSITY ON THE BACKFILL SHOULD CONFORM TO CLAUSE 305.2.1.5 OF MOST SPECIFICATION.
- NET BEARING CAPACITY REQUIRED FOR SOIL IS DIVIDED IN FOUR CATEGORIES AS SHOWN BELOW :

CATEGORY	NET BEARING CAPACITY REQUIRED FOR SOIL
A	5 T/M ²
B	10 T/M ²
C	15 T/M ²
D	20 T/M ²

- SOFT AND LOOSE PATCHES IN THE BEARING AREA ARE TO BE REPLACED BY COMPACTED GRANULAR FILLS WITH LAYERS NOT EXCEEDING 300mm.
- DESIGNS ARE GIVEN FOR THE BOX CELL CULVERTS ONLY. THESE HAVE NO BEARING WITH DESIGN OF EMBANKMENT WHICH WILL BE TAKEN UP BY ENGINEER-IN-CHARGE SEPARATELY.
- 'DK' IS DEPTH OF KEY AT BASE SLAB.
FOR BASE SLAB THICKNESS VALUE OF 'DK'
UPTO 900mm 1200mm.
GREATER THAN 900mm e+300mm
e = BASE SLAB THICKNESS



*d DECK SLAB THICKNESS AT INNER EDGE OF KERB AS SHOWN IN SECTION 1-1



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

GENERAL ARRANGEMENT DRAWING OF BOX CULVERT

Drawing No. :- TASPL/NHIDCL/DDPR/BOX CUL/10

Sheet : 0 OF 01

Scale :- NTS

Drn Dgn. Appd

D.S. B.Mishra B.S.Pandey

Date

DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited

in association with Vaishnavi Infotech Services P. Ltd

68,Ajanta Apartments, 36, I.P. Extension Patparganj Delhi-110092.

MISCELLANEOUS DRAWING



CAUTIONARY/WARNING SIGNS



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

ROAD SIGNS-I

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

Drn Dgn. Appd

Deepak B.Mishra B.S.Pandey

Sheet :

01 OF 03

Date

DEC- 2019

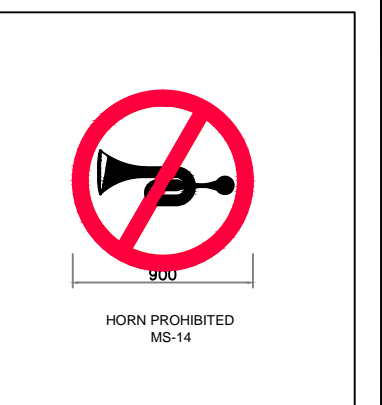
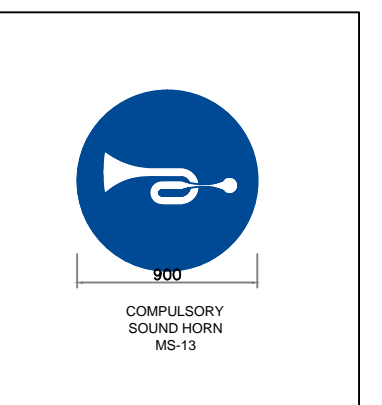
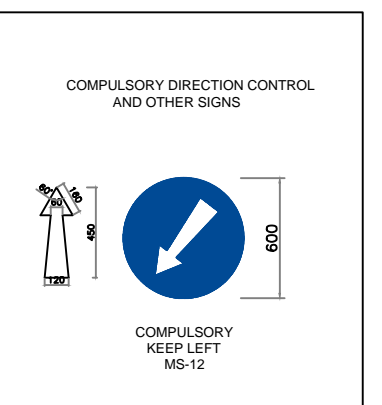
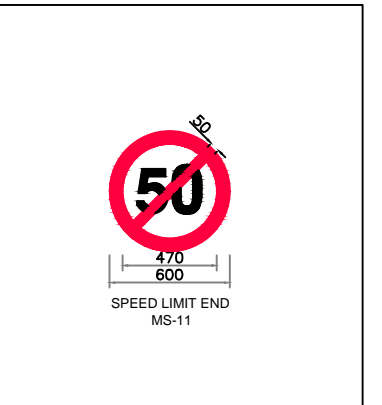
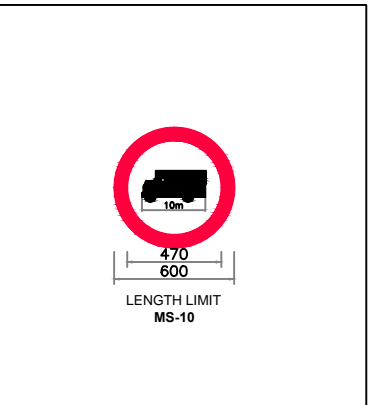
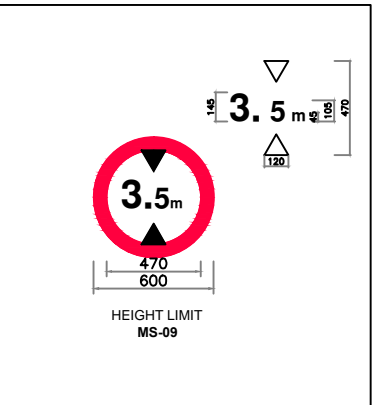
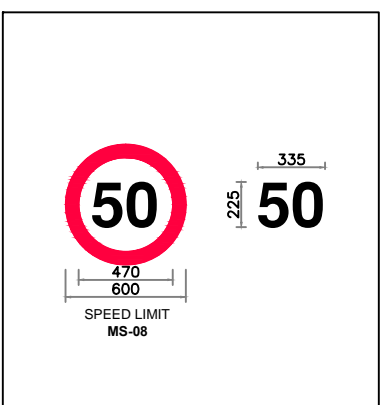
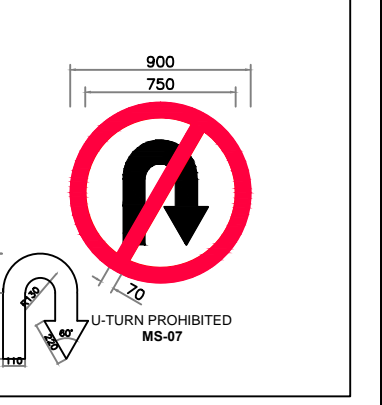
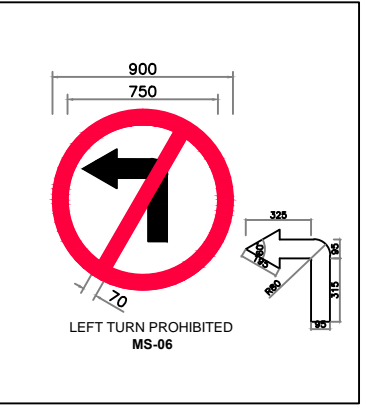
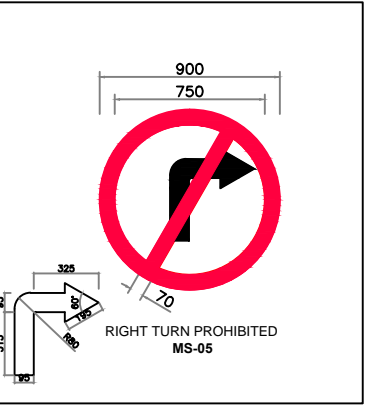
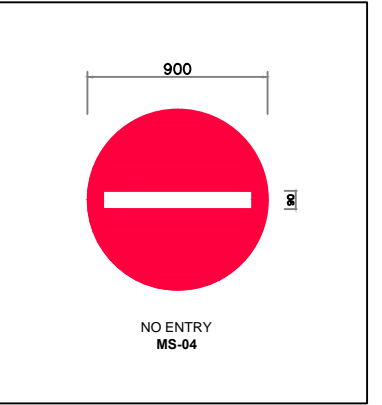
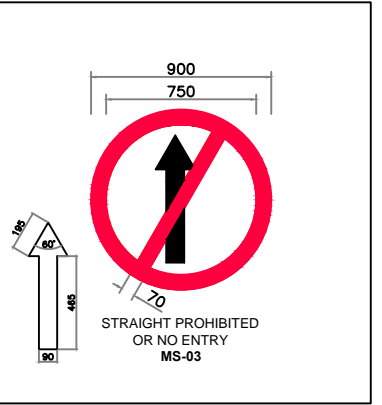
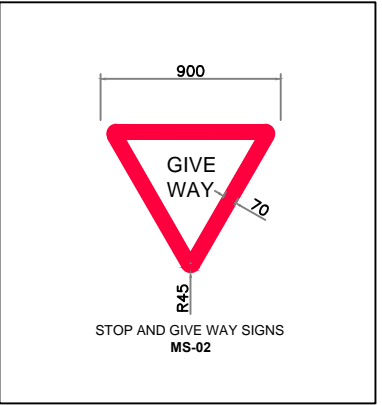
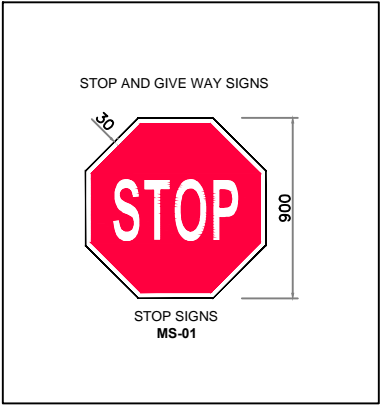
CONSULTANT:



Technocrats Advisory Services Private Limited

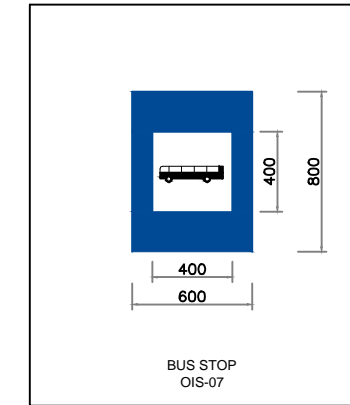
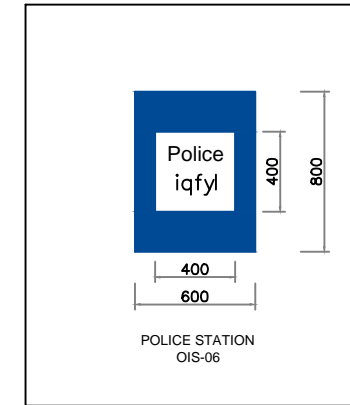
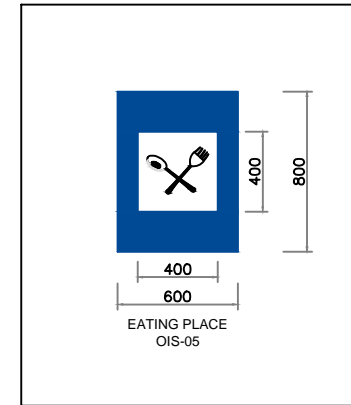
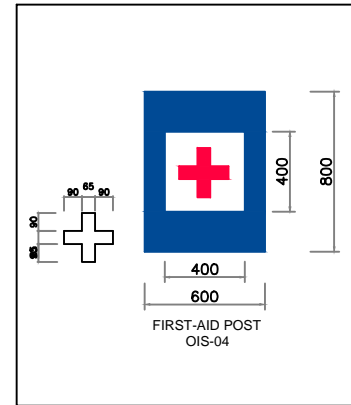
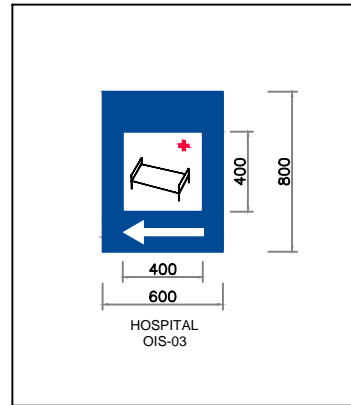
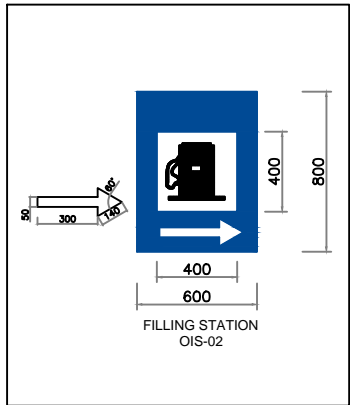
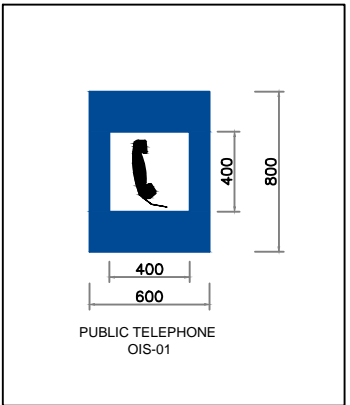
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

MANDATORY/REGULATORY SIGNS

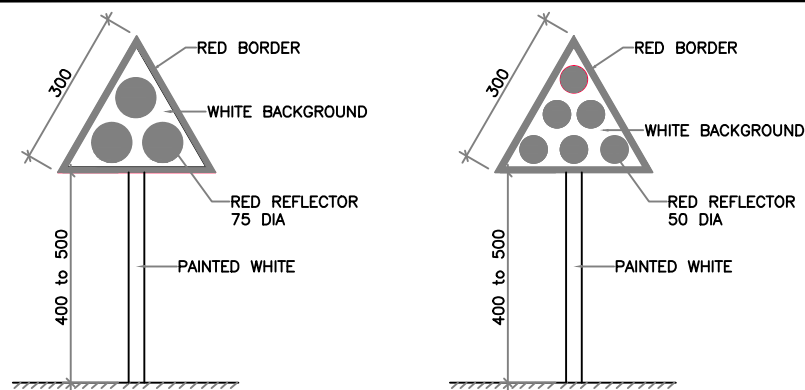


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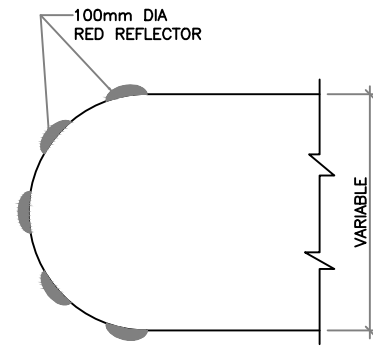
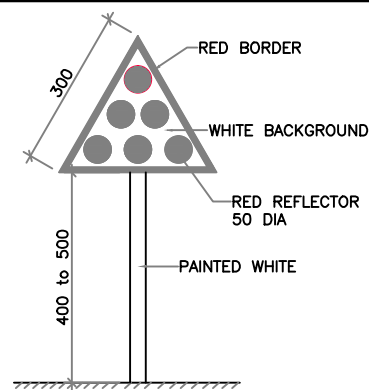
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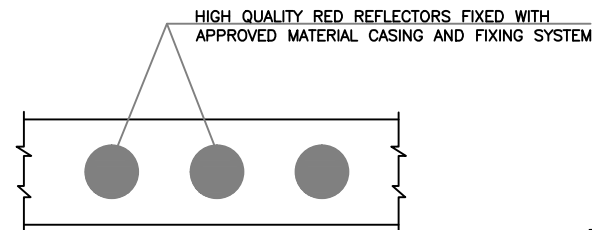
(B) DIRECTION AND PLACE IDENTIFICATION SIGNS



CLUSTER OF RED REFLECTORS
TA-1

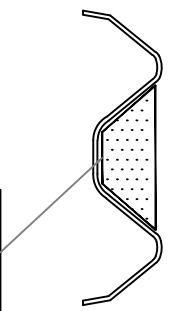


PLAN

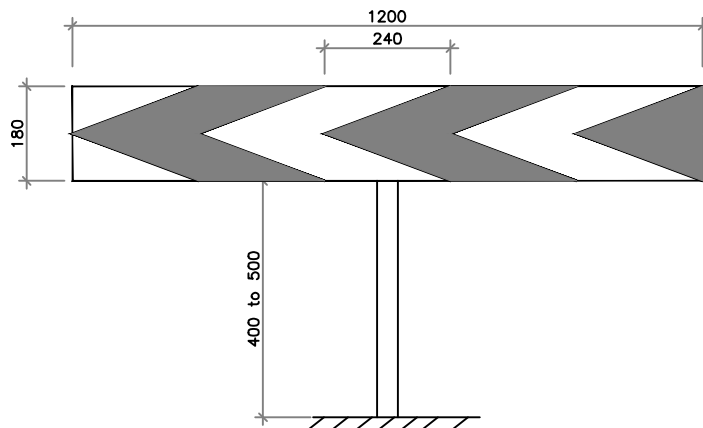


ELEVATION

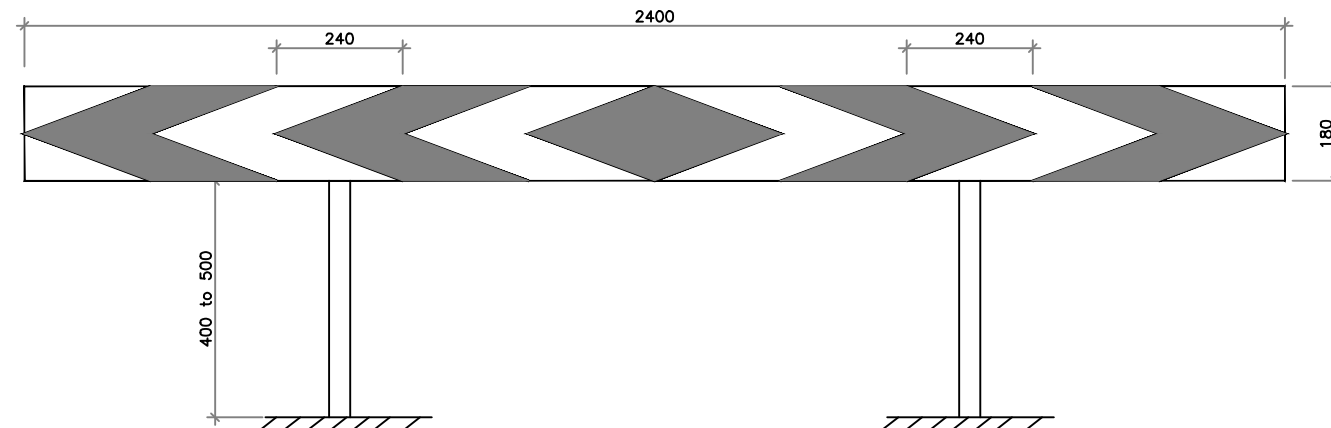
HIGH QUALITY RED REFLECTORS OF APPROVED SIZE AND SHAPE (TO FIXED IN THE SHAPE OF W-BEAM), FIXED WITH APPROVED MATERIAL, CASING ANF FIXUP SYSTEM



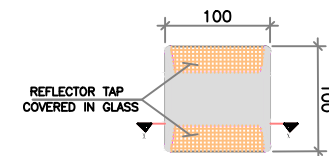
ON W-BEAM OF
METAL BEAM
CRASH BARRIER
TA-5



ONE-WAY HAZARD MARKER
TA-2

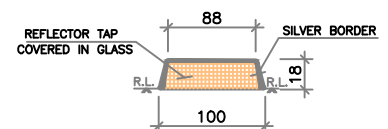


TWO-WAY HAZARD MARKER
TA-3



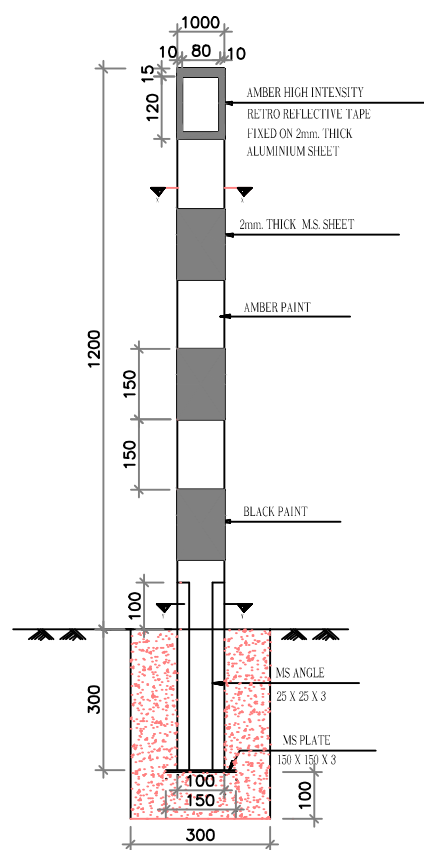
PLAN

Road Studs
(Cateyes)

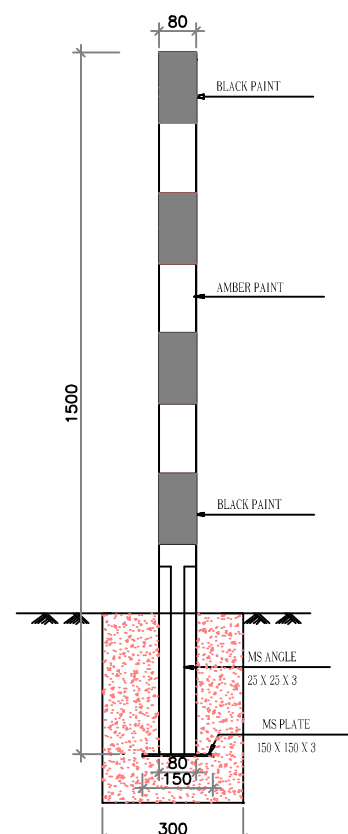


Section X - X

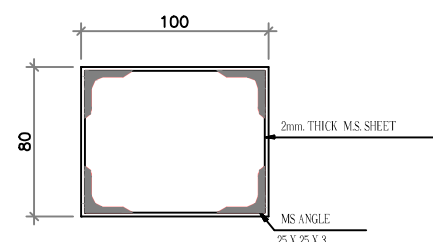
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(Cateyes)



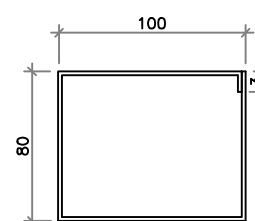
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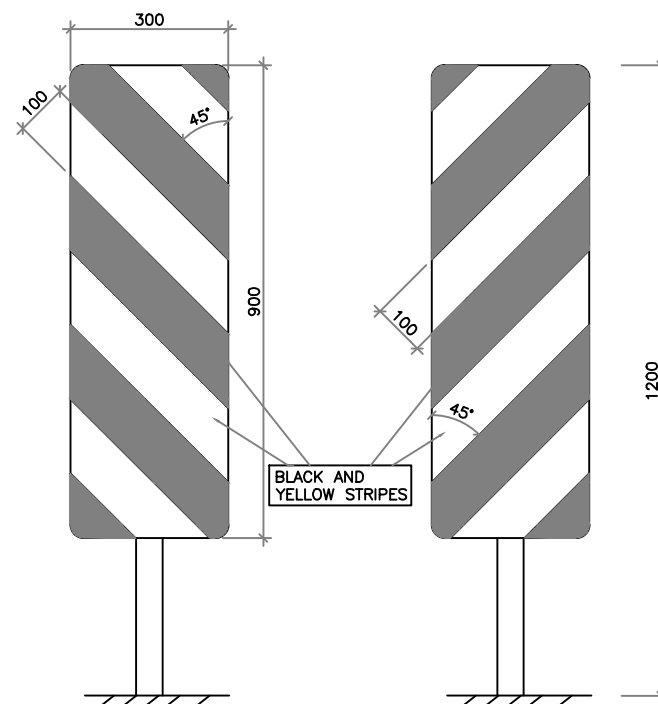
SIDE VIEW



SECTION Y-Y



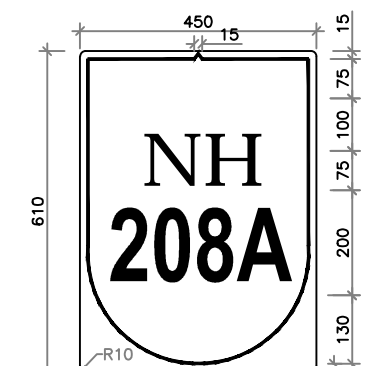
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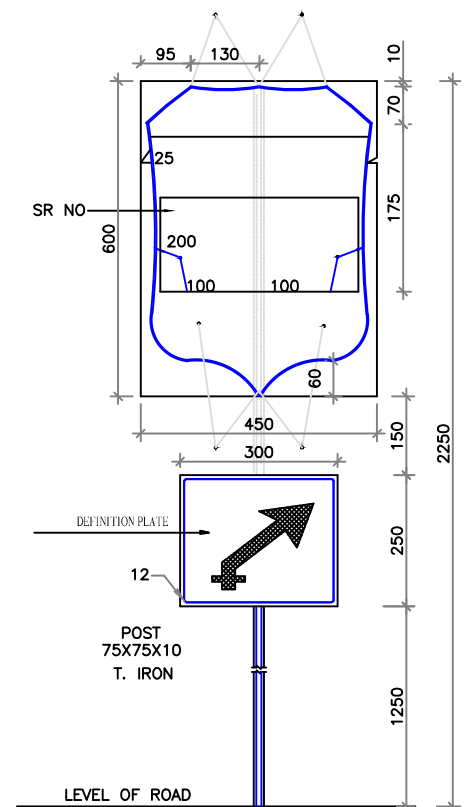
LEFT

RIGHT

OBJECT HAZARD MARKERS



NH ROUTE MARKER SIGN
IS-07



ASSEMBLY OF ROUTE MARK SIGN
ARRANGEMENT FOR ERECTION OF
STATE ROUTE MARKER SIGN



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

RAD SIGNS-III

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

Drn

Dgn.

Appd

Deepak

B.Mishra

B.S.Pandey

Sheet :

03 OF 03

Date

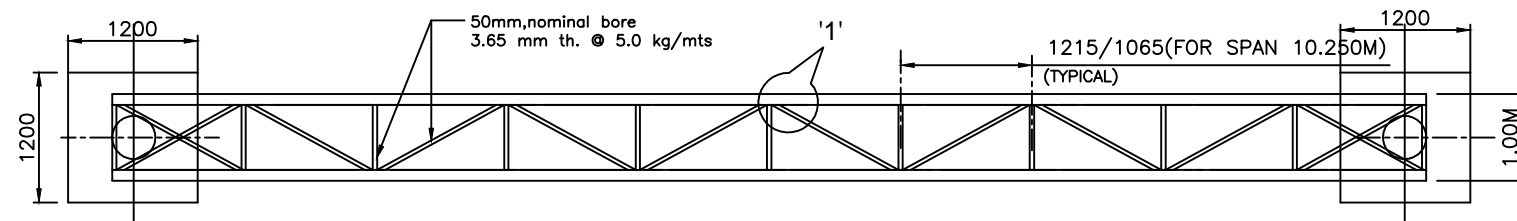
DEC- 2019

CONSULTANT:

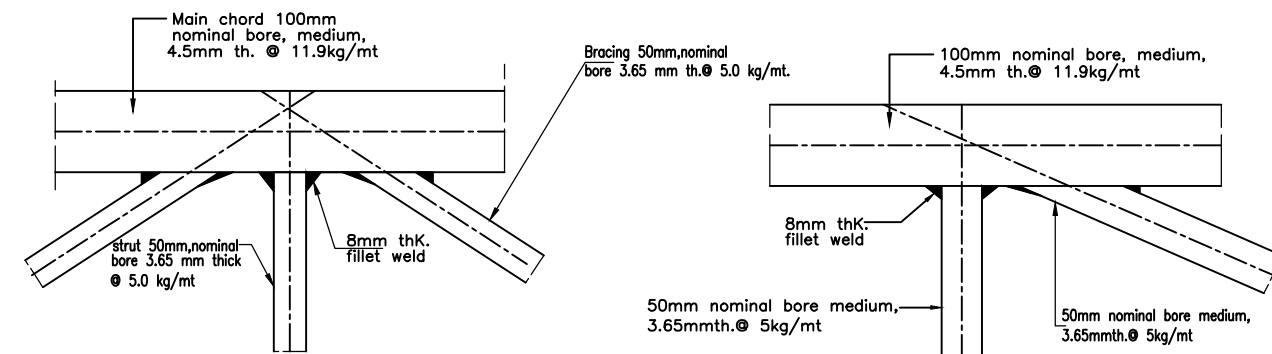


Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

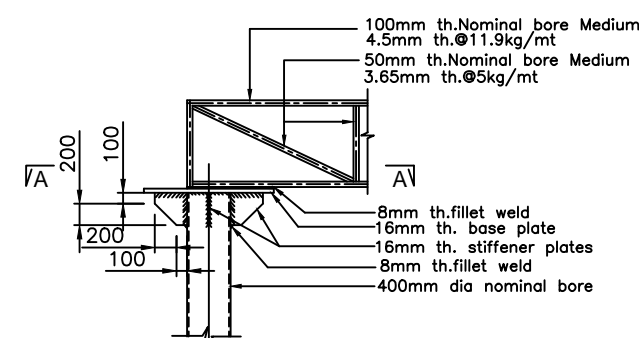
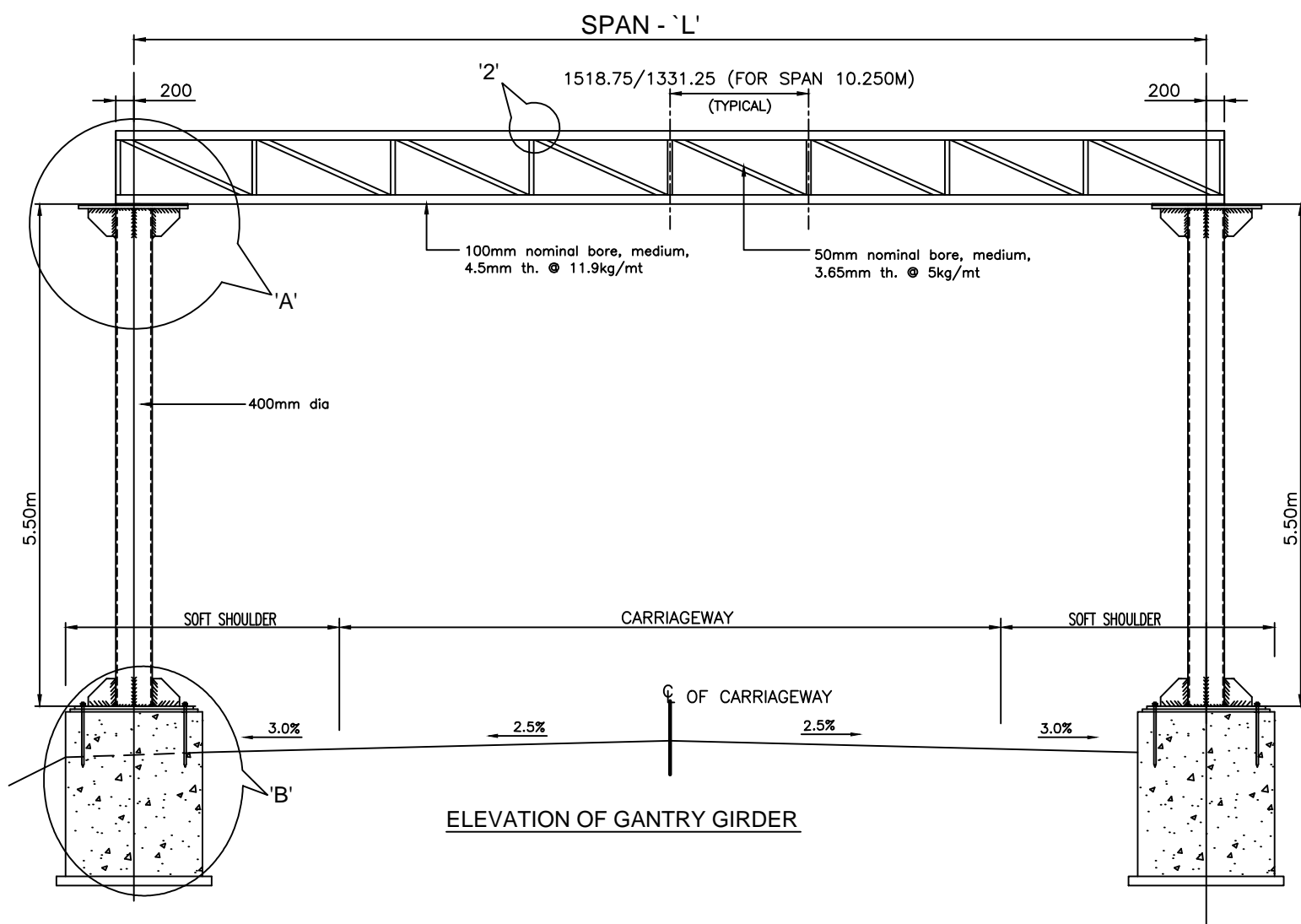


TOP/BOTTOM PLAN

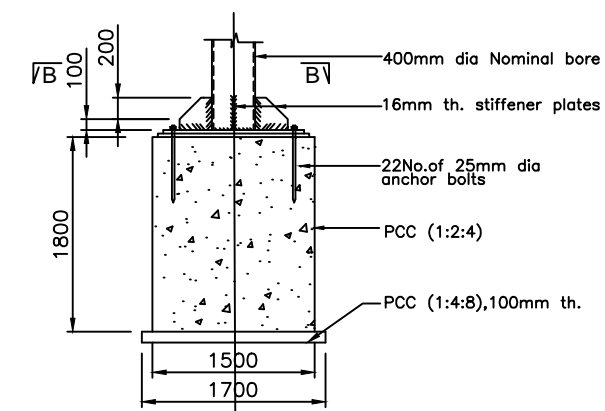


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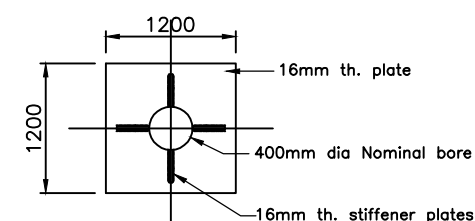
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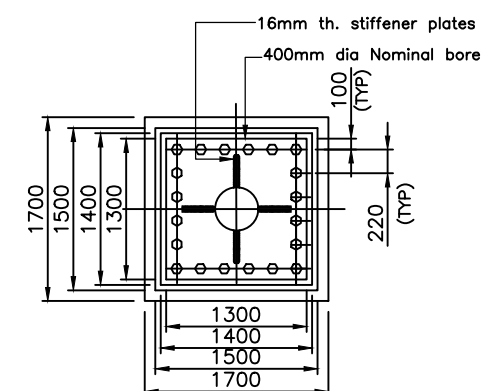
DETAIL - A



DETAIL - B



SECTION A-A
PLAN



SECTION B-B
COLUMN BASE DETAILS



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL DETAILS OF OVERHEAD GANTRY

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 01

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

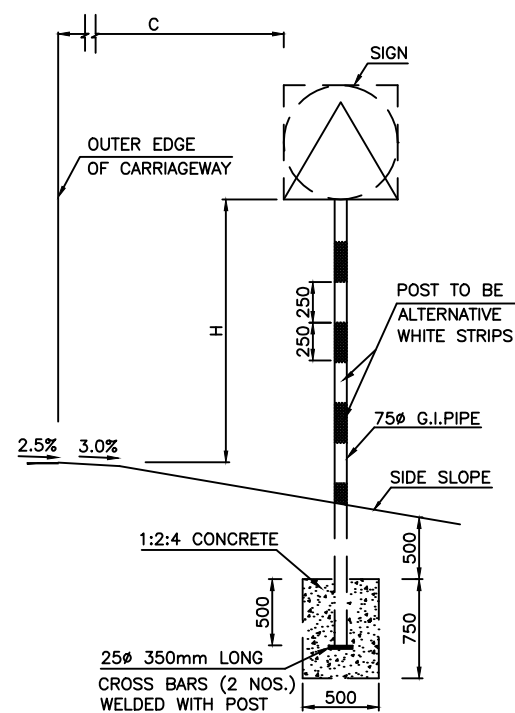
DEC- 2019

CONSULTANT:

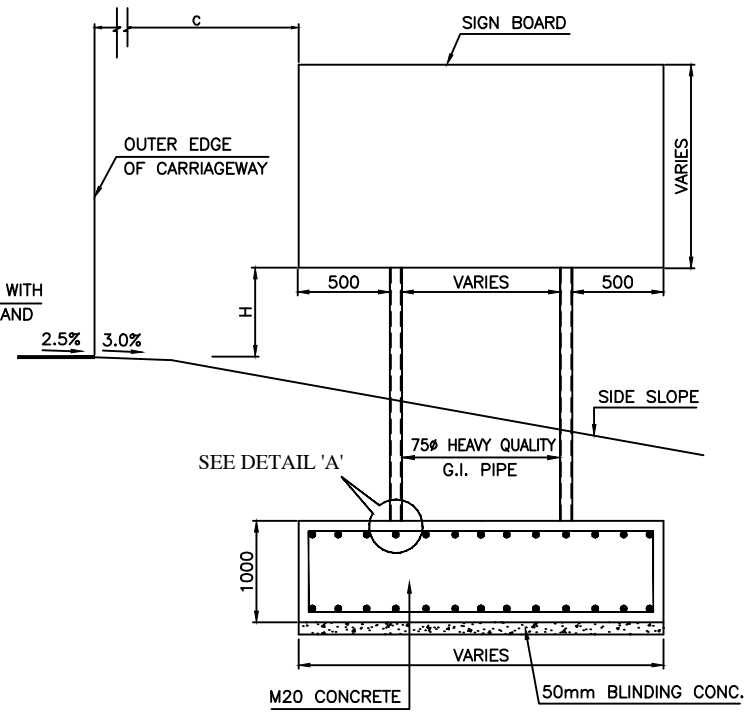


Technocrats Advisory Services Private Limited

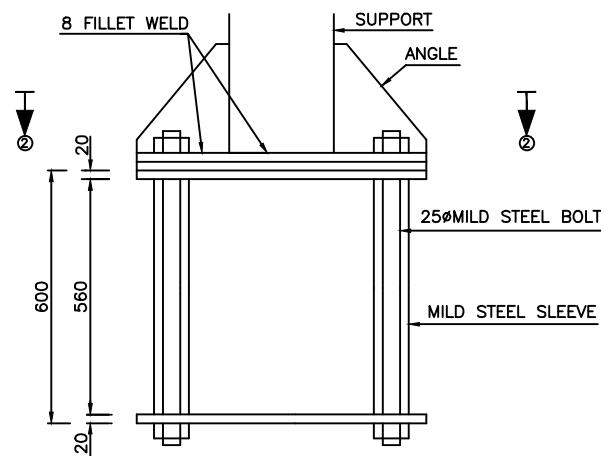
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



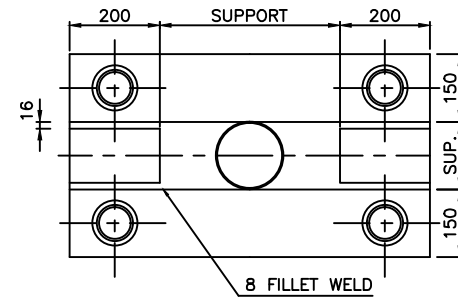
DETAILS FOR SIGN WITH SINGLE SUPPORT



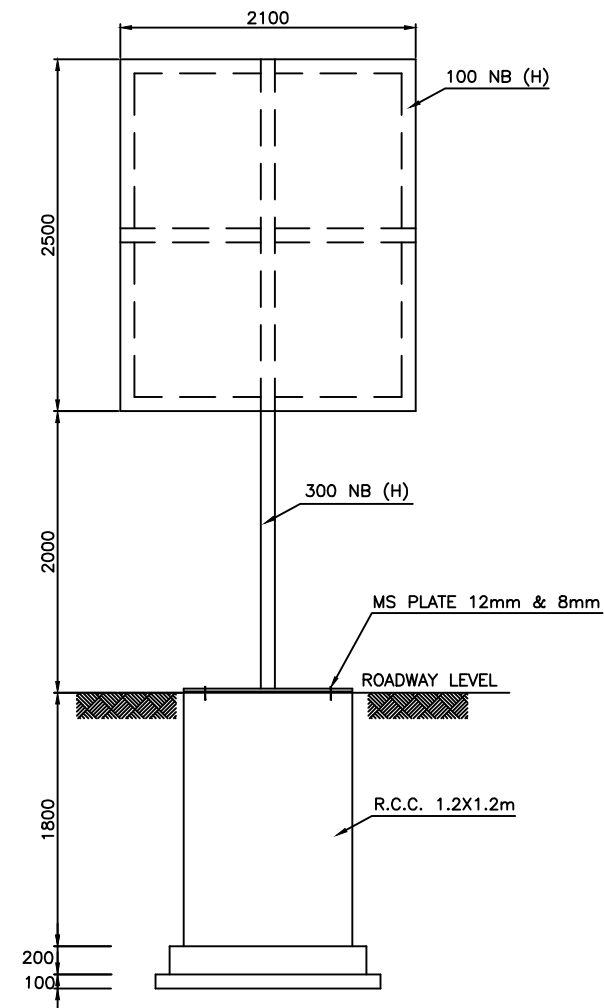
DETAILS FOR SIGN WITH DOUBLE SUPPORT



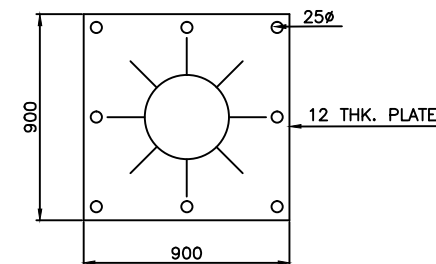
DETAIL-A



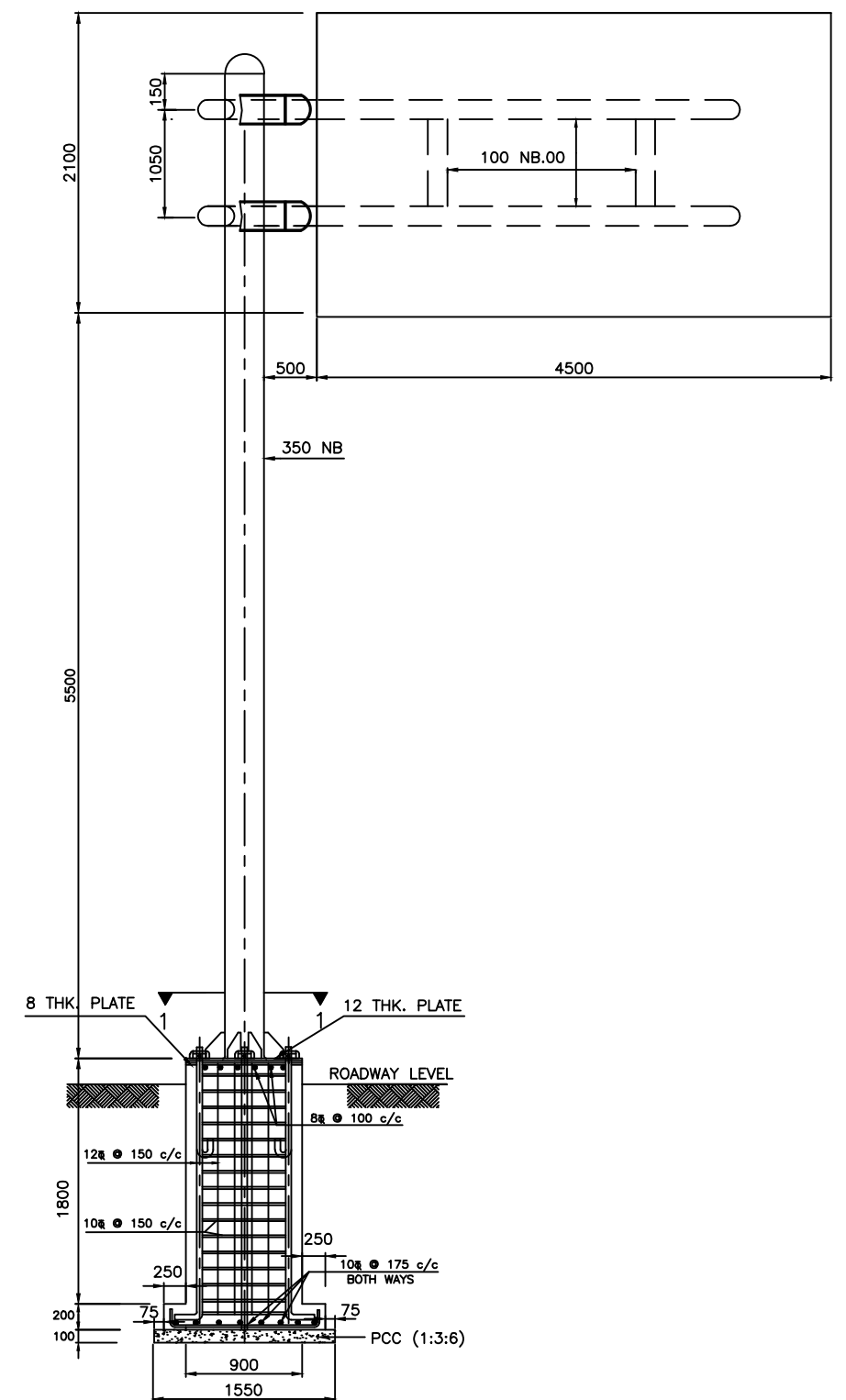
SECTION 2-2



DETAILS OF SIGN POST



SECTION 1-1



DETAILS FOR CANTILEVER TYPE OVERHEAD SIGN



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL CANTILEVER TYPE OVERHEAD SIGN

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 01

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

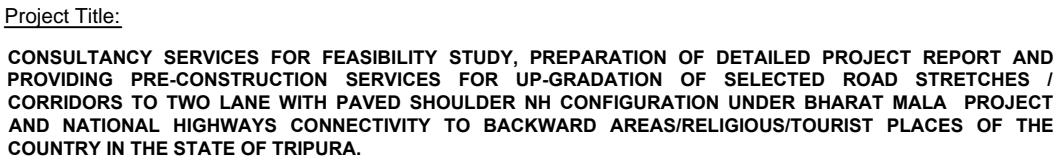
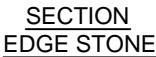
DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited

in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



Drawing Title:

PARAPET, RAILING AND EDGE STONE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

Dan.

Ac

Deepak

B. Mishra

B.S. Pandey

Sheet :

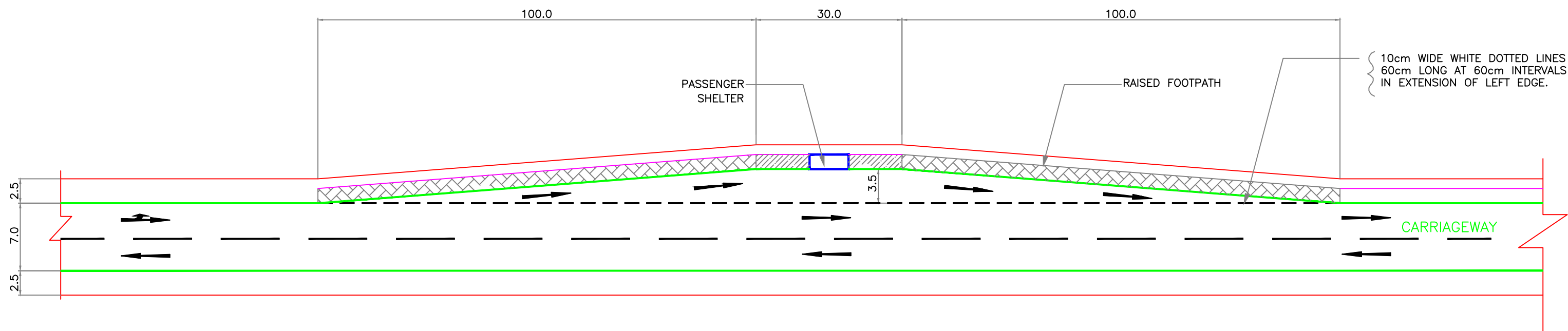
01 OF 01

Date _____

DEC- 2019

CONSULTANT:





TYPE-I LAYOUT FOR PICK-UP BUS STOP LAY-BYE IN RURAL AREAS IRC-SP73



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL LAYOUT FOR BUS STOP LAY-BYE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

01 OF 01

Scale :- NTS

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Appd

Date

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B.Mishra

B.S.Pandey

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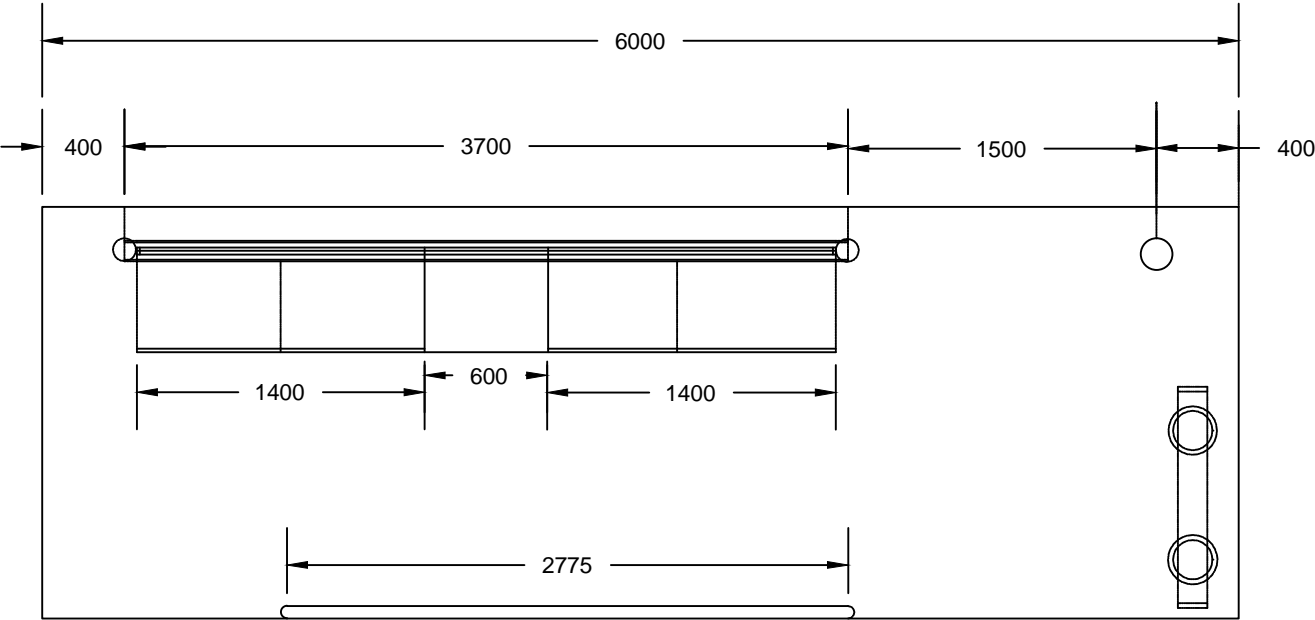
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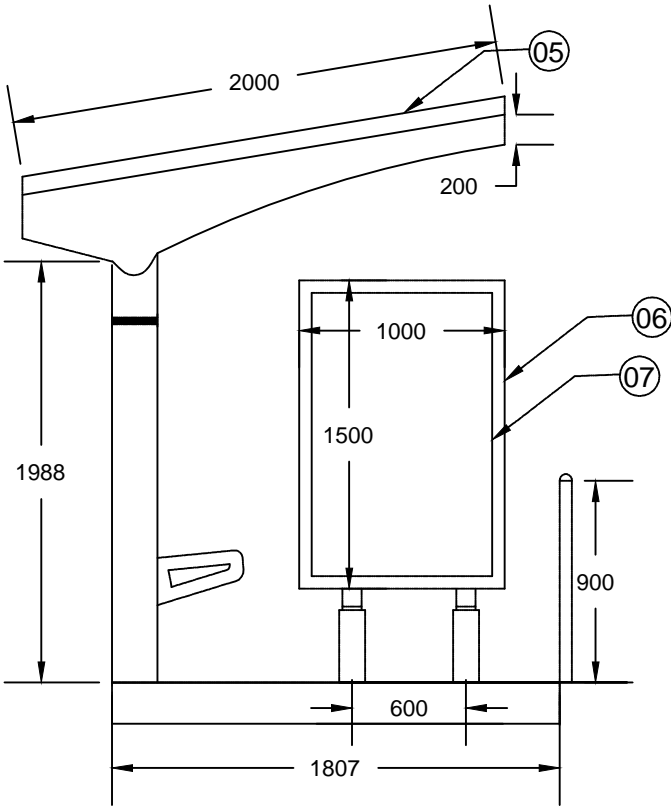
Technocrats Advisory Services Private Limited

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Patparganj Delhi-110092.

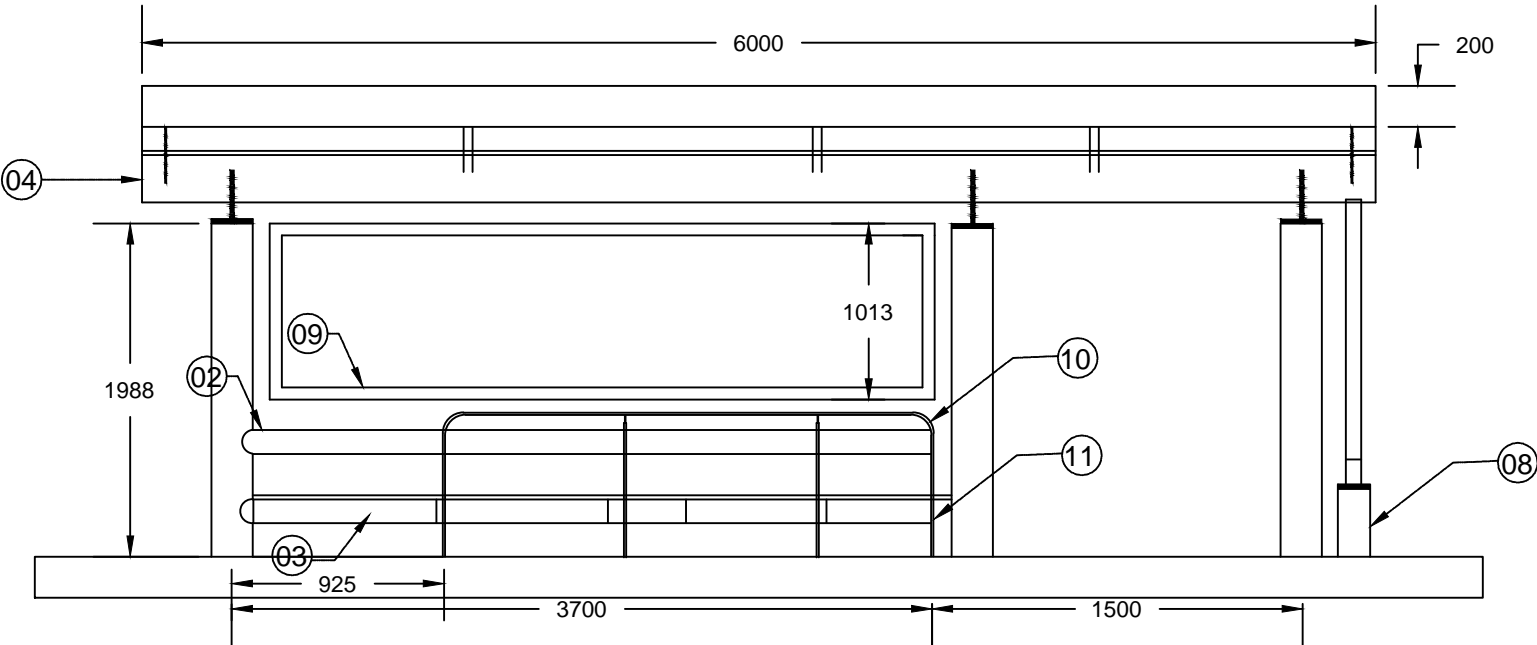
SR	DESCRIPTION	SIZE	MATERIAL
01	MAIN VERTICAL COLUMNS	OD.200mm X15 SWG	S.S 304
02	BACK SUPPORT PIPE	OD'75MM X17 SWG	S.S 304
03	BENCH SUPPORT PIPE	OD.150 X15 SWG	S.S 304
04	ROOF SUPPORT PIPE	OD.200mm X15 SWG	S.S 304
05	ROOF SUPPORT PLATES	2.5MM THK.	S.S 304
06	ADV BORD OUTER FRAME	100X40 X18 SWG	S.S 304
07	ADV BORD INNER FRAME	25X25X 18 SWG	M.S/G.I
08	ADV BORD COLUMNS (SIDE)	OD.150MM X15 SWG	S.S 304
09	ADV BORD FRAME (MAIN)	25X25X 18SWG	M.S/G.I
10	RAILING	OD.75MM X17 SWG	S.S 304
11	RAILING COLUMNS	OD.50MM X18 SWG	S.S 304



TOP PLAN



SIDE VIEW



FRONT ELEVATION

NOTE:- ALL DIMENSIONS ARE IN MM.

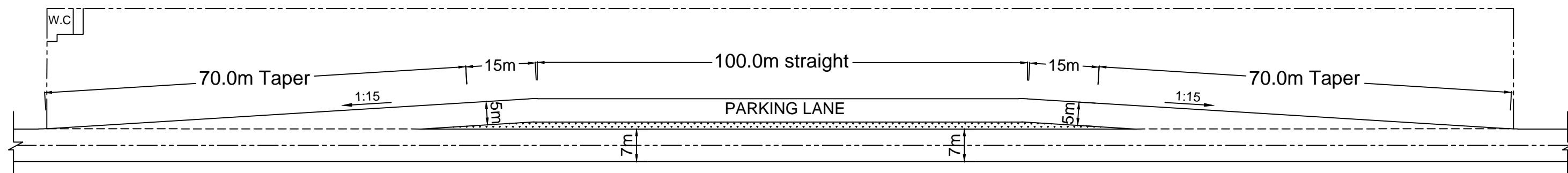


Project Title:
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.
KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:
NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:
TYPICAL LAYOUT FOR BUS SHELTER
Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11
Scale :- NTS
Drn Deepak
Dgn. B.Mishra
Appd B.S.Pandey
Sheet : 01 OF 01
Date DEC- 2019

CONSULTANT:
Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPICAL LAYOUT OF TRUCK LAY BYE IRC-SP73



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL LAYOUT OF TRUCK LAY BYE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 01

Drm

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

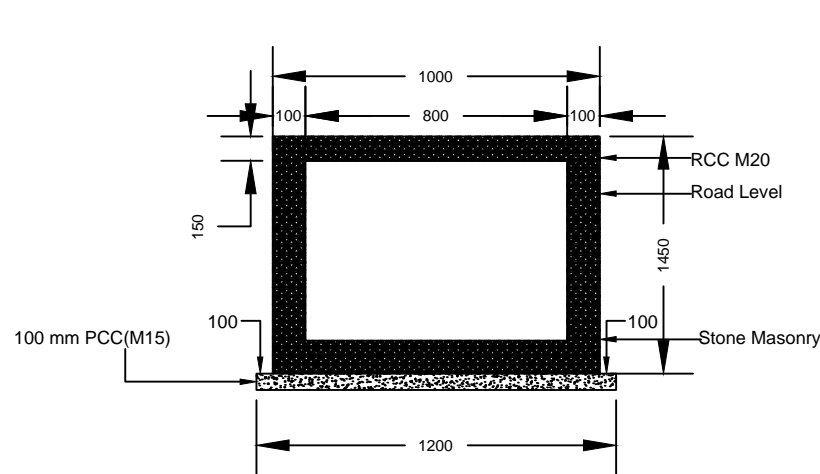
DEC- 2019

CONSULTANT:

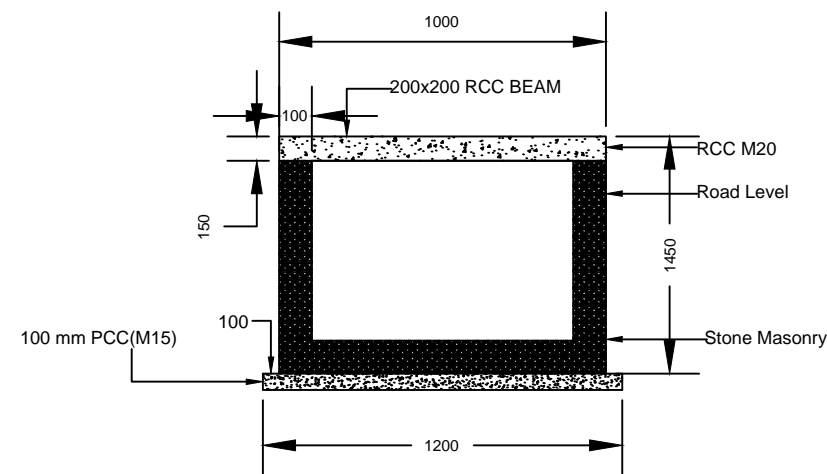


Technocrats Advisory Services Private Limited

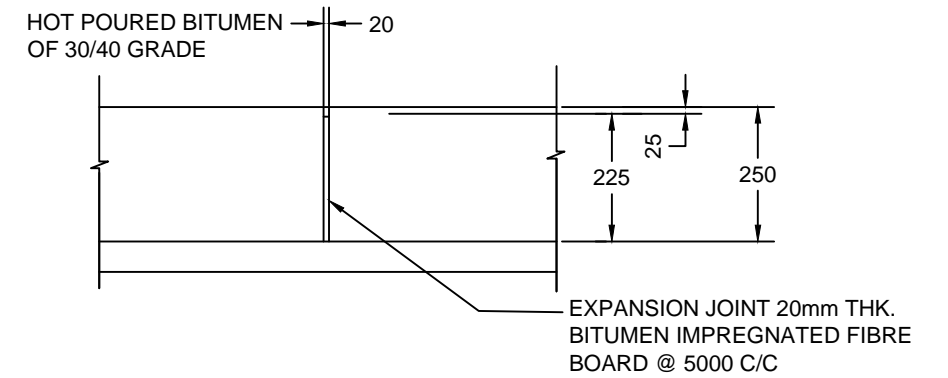
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



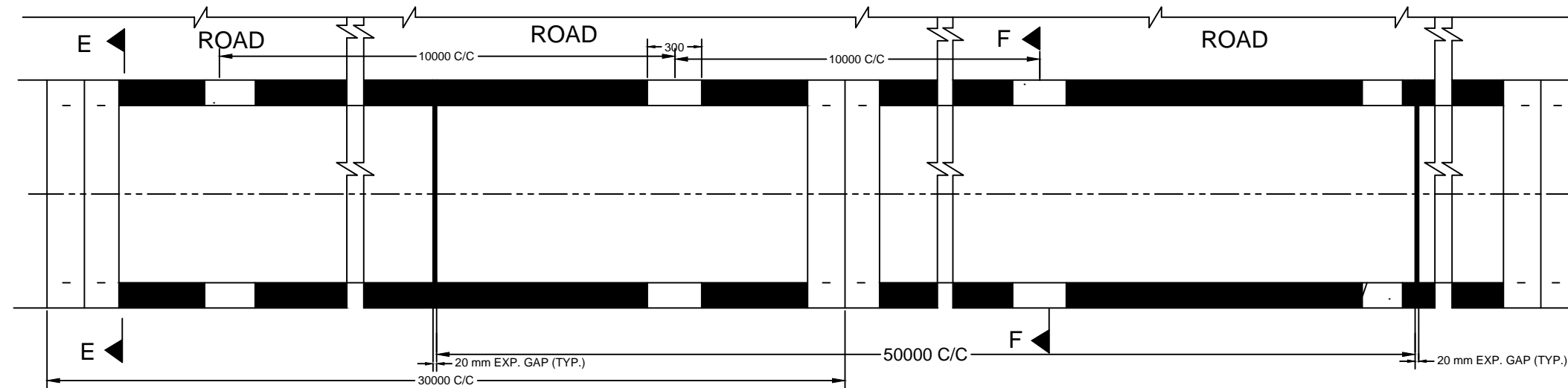
SECTION OF RCC COVERED DRAIN
SECTION E-E



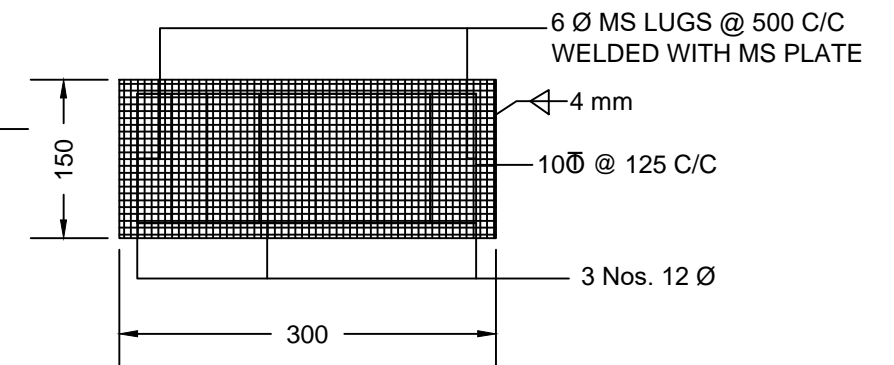
SECTION OF RCC COVERED DRAIN
SECTION F-F



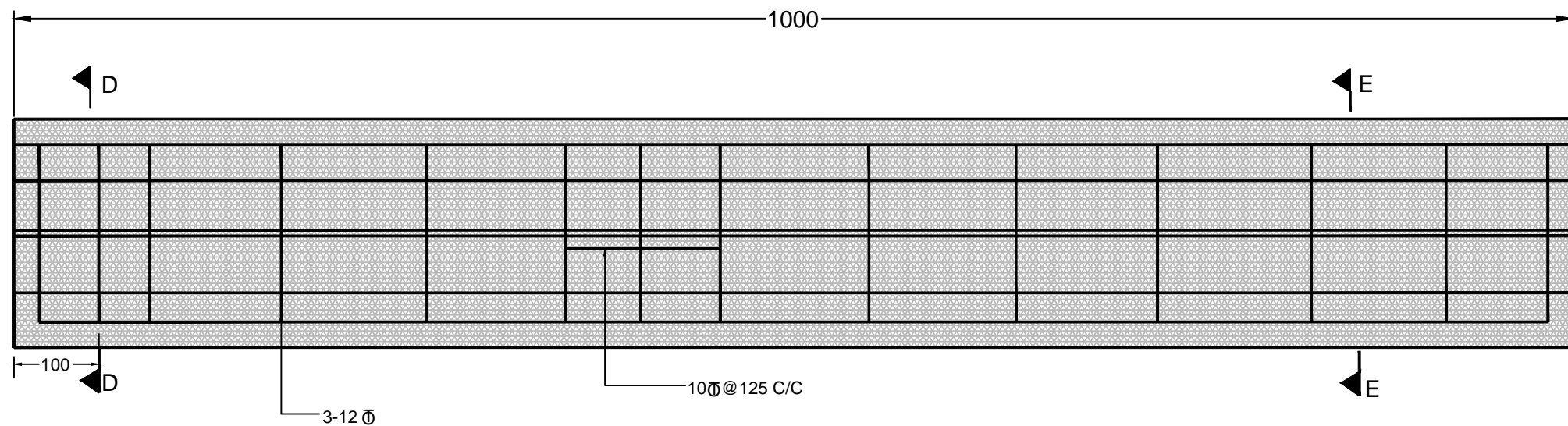
DETAIL OF EXP. JOINT



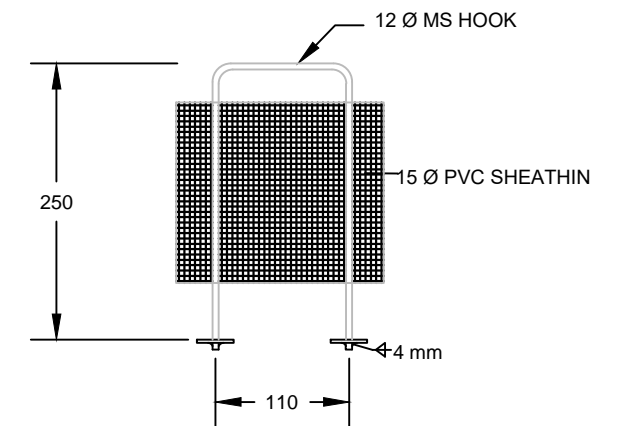
PLAN OF OPEN DRAIN



SECTION D-D



SECTIONAL PLAN OF PRECAST SLAB



SECTION E-E



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL DETAIL OF RCC COVERED

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

Drn

Dgn.

Appd

Deepak

B.Mishra

B.S.Pandey

Sheet :

01 OF 01

Date

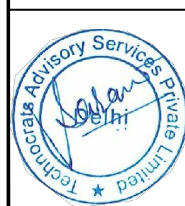
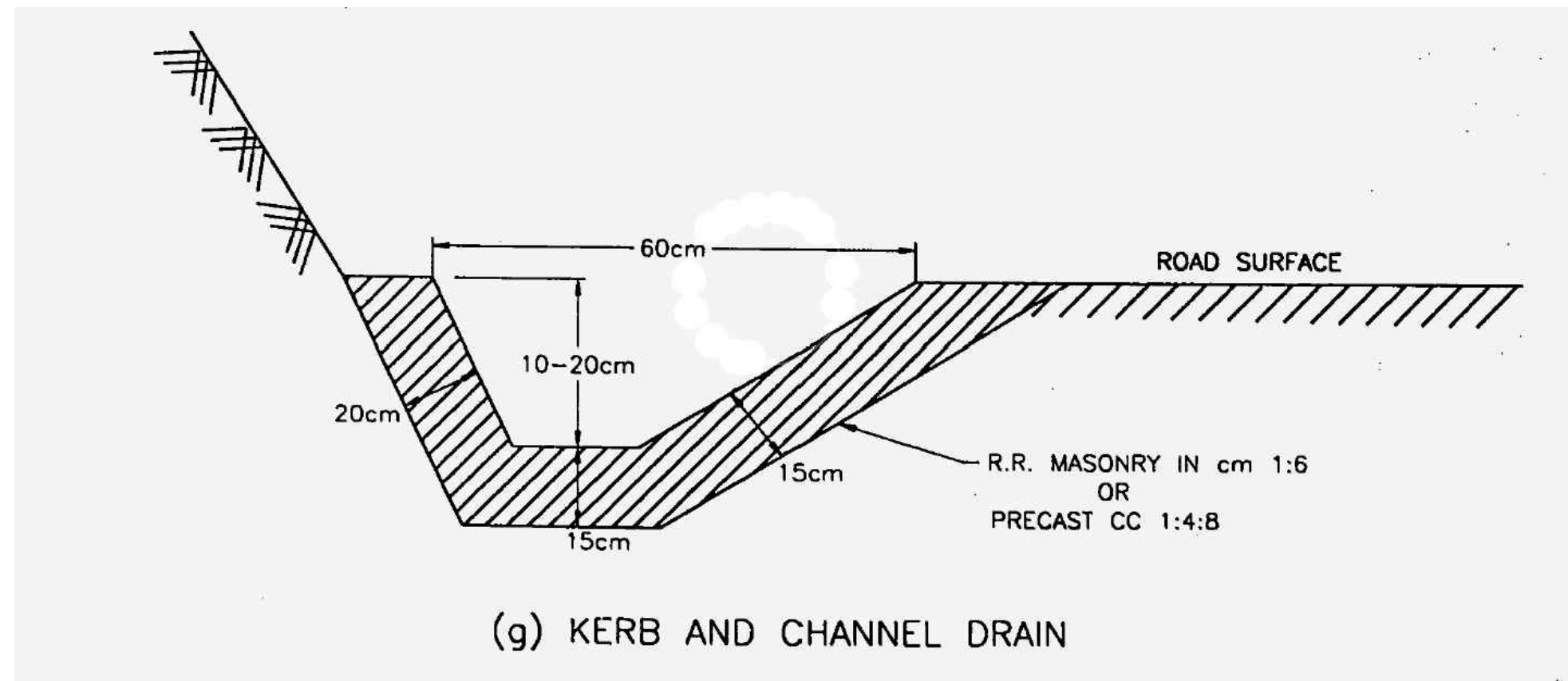
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CONSULTANT:



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68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

KERB CHANNEL DRAIN

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 01

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Deepak

Dgn.
B.Mishra

Appd
B.S.Pandey

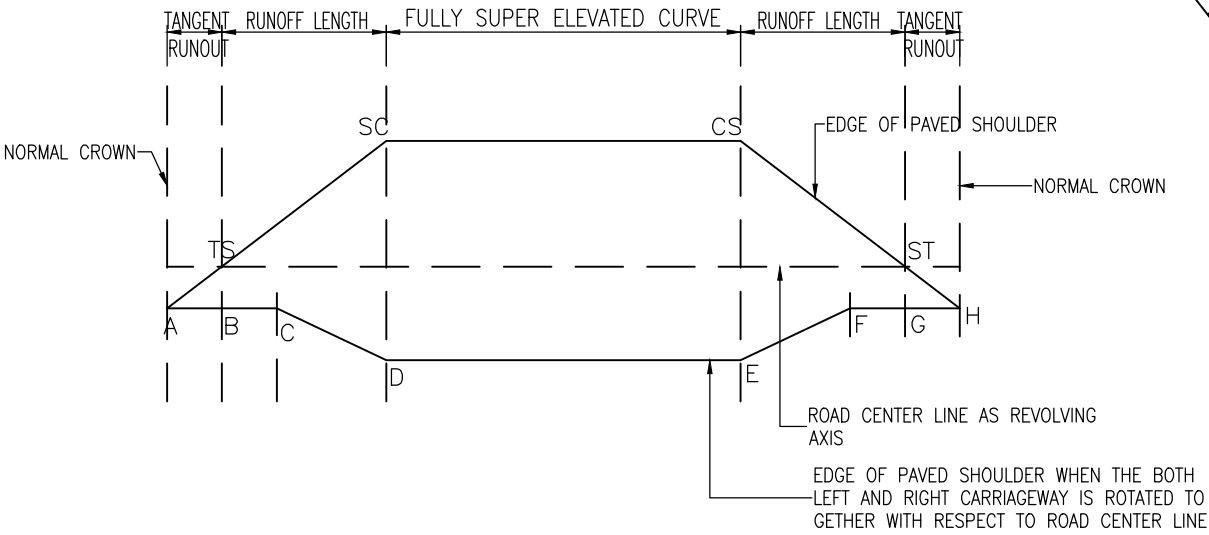
Date
DEC- 2019

CONSULTANT:

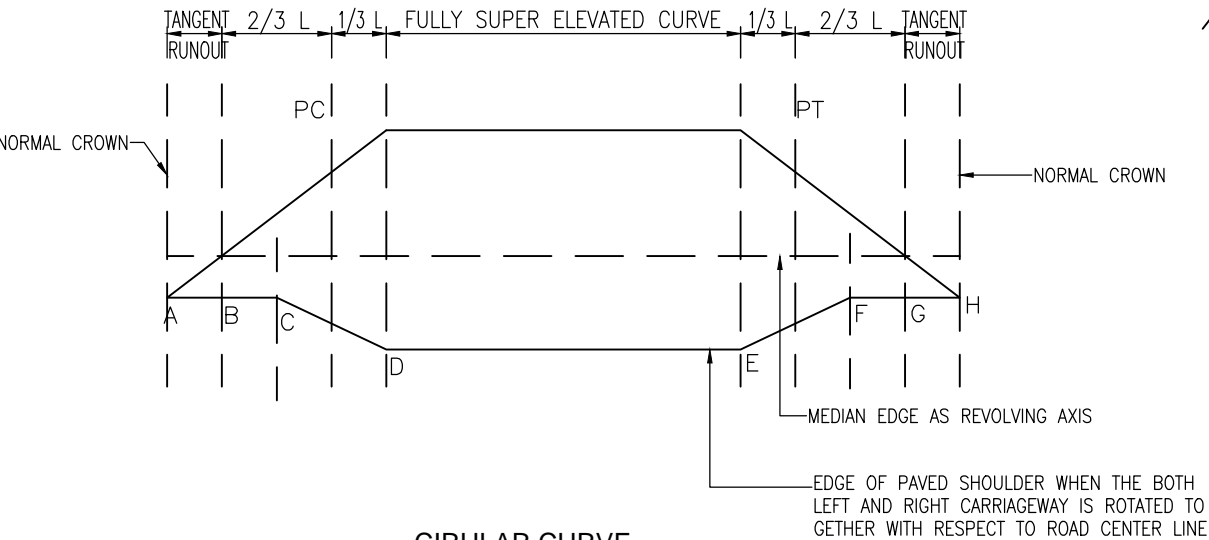


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68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.

DETAILS OF SUPERELVATION

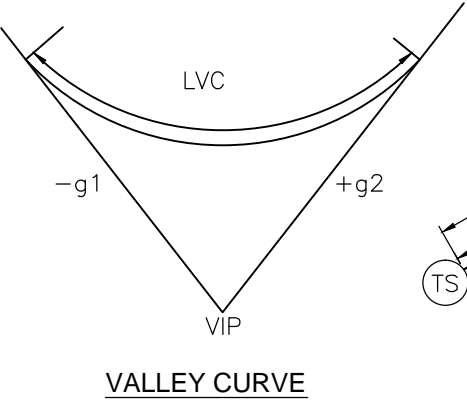


CIRCULAR CURVE WITH TRANSITION

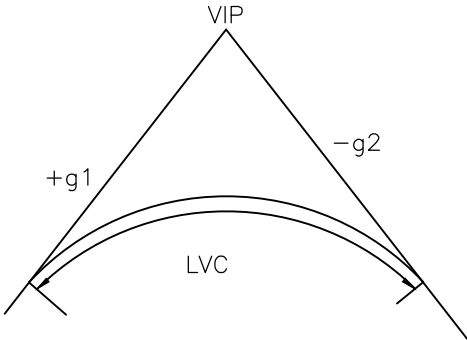


CIRCULAR CURVE

DETAILS OF VERTICAL CURVE

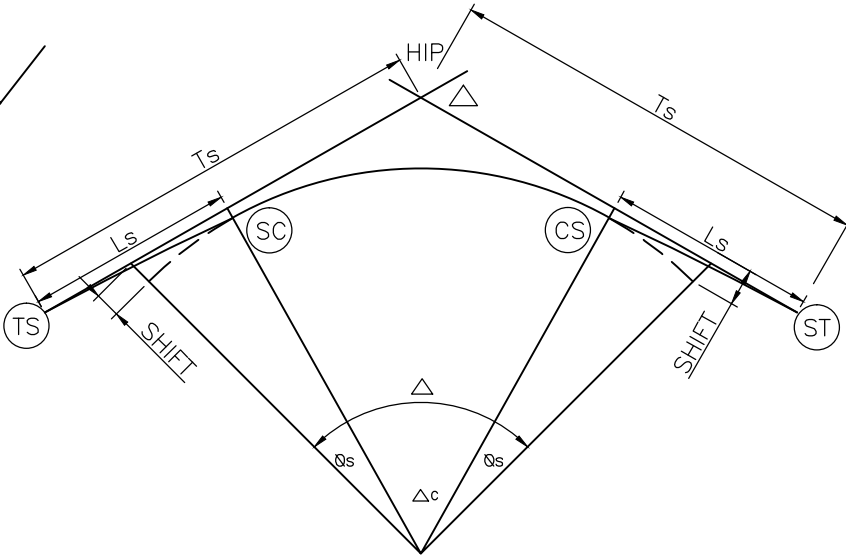


VALLEY CURVE

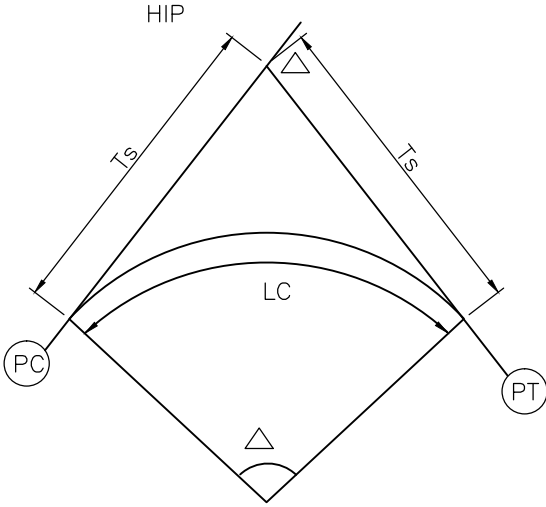


SUMMIT CURVE

DETAILS OF HORIZONTAL CURVE



CIRCULAR CURVE WITH TRANSITION



CIRCULAR CURVE

- | | | | |
|------|--------------------|-----|-------------------------------------|
| (TS) | TANGENT TO SPIRAL | HIP | HORIZONTAL INTERSECTION POINT |
| (SC) | SPIRAL TO CURVE | LS | LENGTH OF TRANSITION |
| (CS) | CURVE TO SPIRAL | Ts | TANGENT DISTANCE |
| (ST) | SPIRAL TO TANGENT | Δ | TOTAL DEVIATION ANGLE |
| (PC) | POINT OF CURVATURE | Δs | DEVIATION ANGLE OF TRANSITION CURVE |
| (PT) | POINT OF TANGENT | LVC | LENGTH OF VERTICAL CURVE |
| | | g1 | VERTICAL GRADIENT |
| | | VIP | VERTICAL INTERSECTION POINT |



Project Title:
CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.
KAILASHAHAR - KURTI BRIDGE SECTION-3

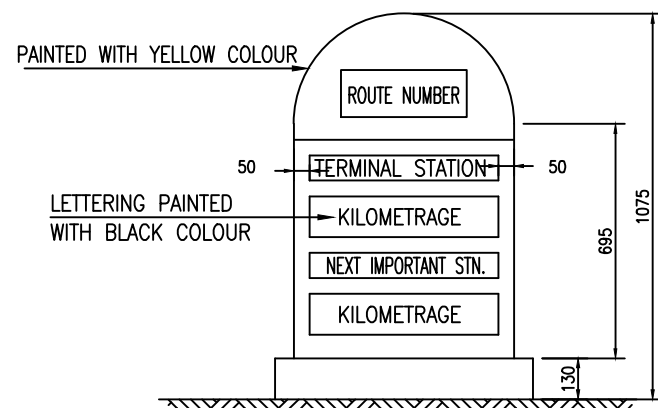
CLIENT:

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

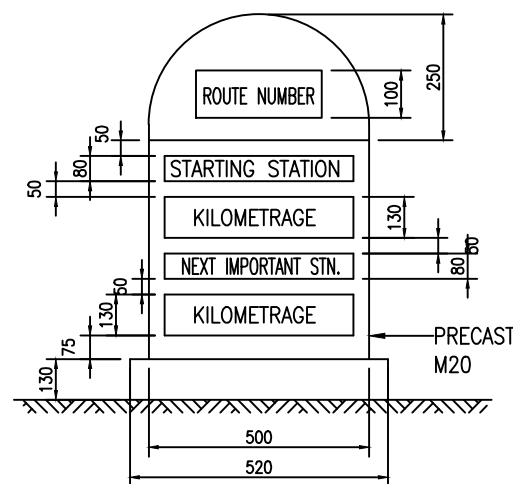
Drawing Title:
DETAILS OF CURVE & SUPER ELEVATION
Drawing No. :- **TASPL/NHIDCL/DDPR/MISC/11** Sheet :
Scale :- **NTS** **01 OF 01**
Drn Dgn. Appd Date
Deepak B.Mishra B.S.Pandey DEC- 2019

CONSULTANT:

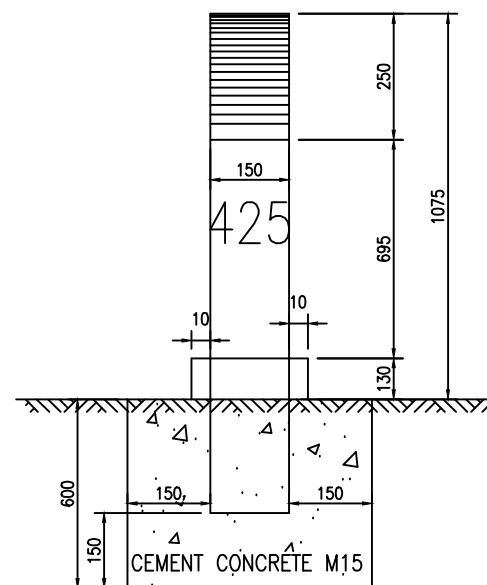
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68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



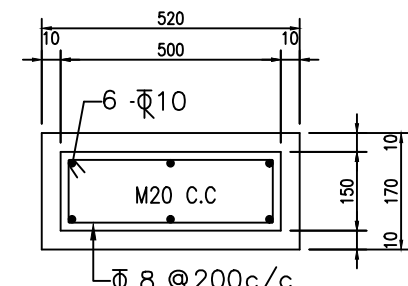
FACE 1



FACE 2



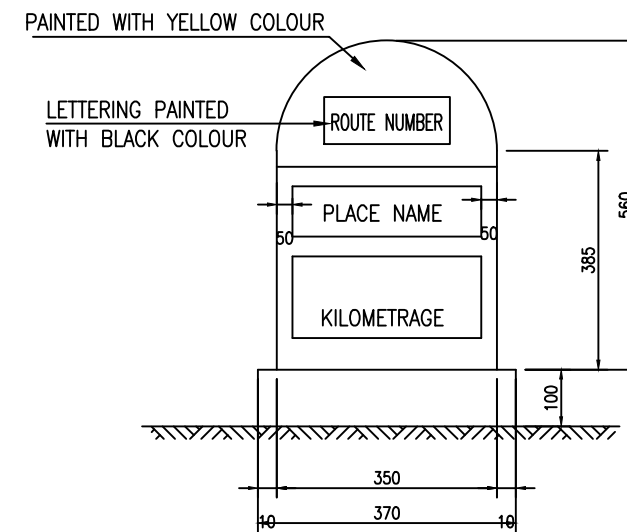
SIDE ELEVATION



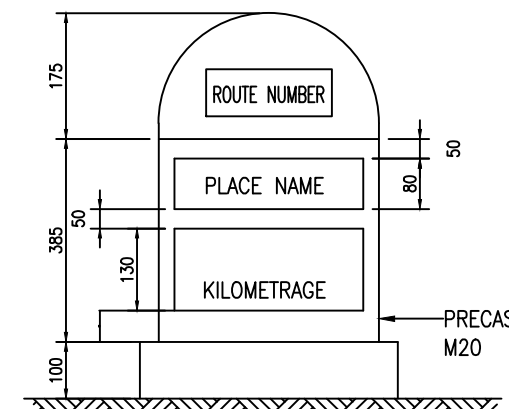
SECTIONAL PLAN

TYPICAL DESIGN FOR THE 5TH KILOMETRE STONE

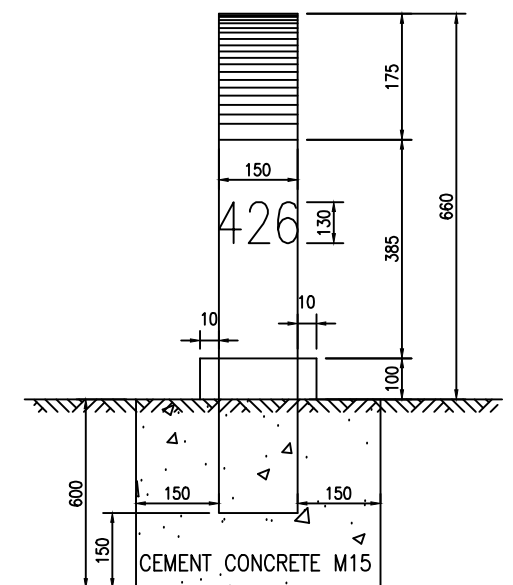
INDEX FOR KILOMETRE STONES		
Km No.	SCRIPT FOR PLACE NAMES	PLACE TO BE SHOWN
0	ROMAN	TERMINAL/STARTING STATION AND NEXT IMPORTANT TOWN
1	HINDI (DEVANAGARI SCRIPT)	NEXT IMPORTANT TOWN
2	LOCAL LANGUAGE	NEXT IMPORTANT TOWN
3	HINDI (DEVANAGARI SCRIPT)	TERMINAL / STARTING STATION
4	LOCAL LANGUAGE	TERMINAL / STARTING STATION
5	ROMAN	TERMINAL/STARTING STATION AND NEXT IMPORTANT TOWN
6	HINDI (DEVANAGARI SCRIPT)	NEXT IMPORTANT TOWN



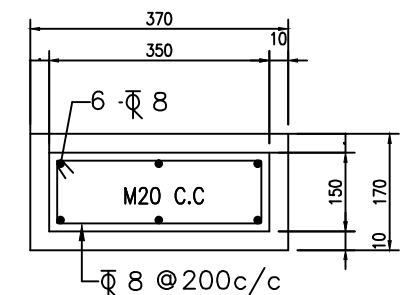
FACE 1



FACE 2



SIDE ELEVATION



SECTIONAL PLAN

TYPICAL DESIGN FOR ORDINARY KILOMETRE STONE

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. REFLECTORISED PAINT SHALL BE IN ACCORDANCE WITH CL.803.5 OF M.O.R.T & H SPEC.
3. FOR TYPE & STYLE SIZE OF LETTERING RELEVANT IRC CODE OF PRATICE SHALL BE REFERED.
4. LETTERING IS DONE WITH APPROVED QUALITY BLACK ENAMEL PAINT USING STENCIL



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL DRAWING OF KM STONE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Scale :- NTS

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Appd

Deepak

B.Mishra

B.S.Pandey

Sheet :

01 OF 02

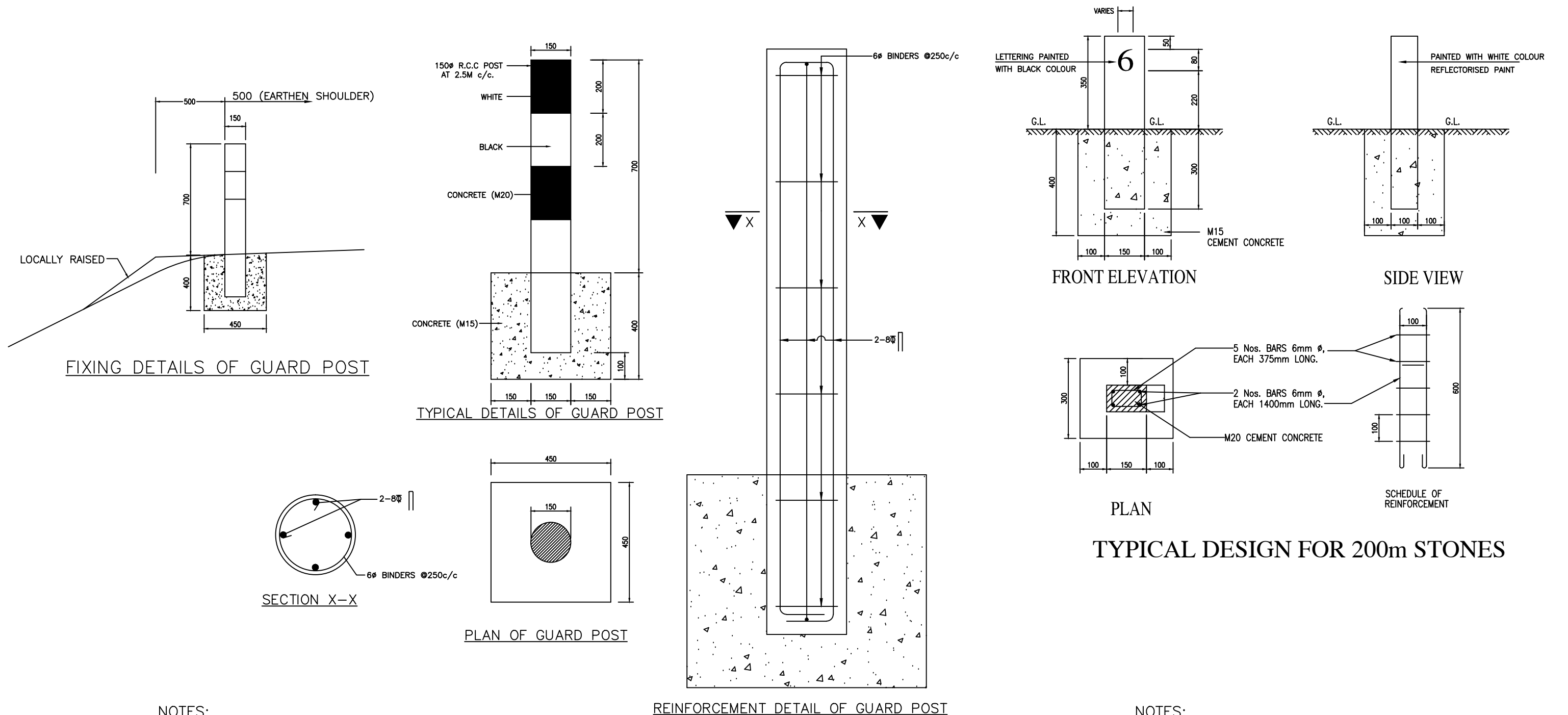
Date

DEC- 2019

CONSULTANT:



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Patparganj Delhi-110092.



NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE MENTIONED.
2. FOR EXACT DETAILS OF W-BEAM, REFER MANUFACTURER DRAWING.
3. W-BEAM BARRIER IS INSTALLED WHERE EMBANKMENT HEIGHT IS MORE THAN 6 METRES & AT IMMEDIATE BRIDGE APPROACHES.
4. R.C.C. GUARD POSTS IS TO BE INSTALLED AS PER THE INSTRUCTIONS OF ENGINEER.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. REFLECTORISED PAINT SHALL BE IN ACCORDANCE WITH CL.803.5 OF M.O.R.T & H SPEC.
3. FOR TYPE & STYLE SIZE OF LETTERING RELEVANT IRC CODE OF PRATICE SHALL BE REFERED.
4. LETTERING IS DONE WITH APPROVED QUALITY BLACK ENAMEL PAINT USING STENCIL



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL DRAWING OF KM STONE

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

02 OF 02

Drn

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Date

Deepak

B.Mishra

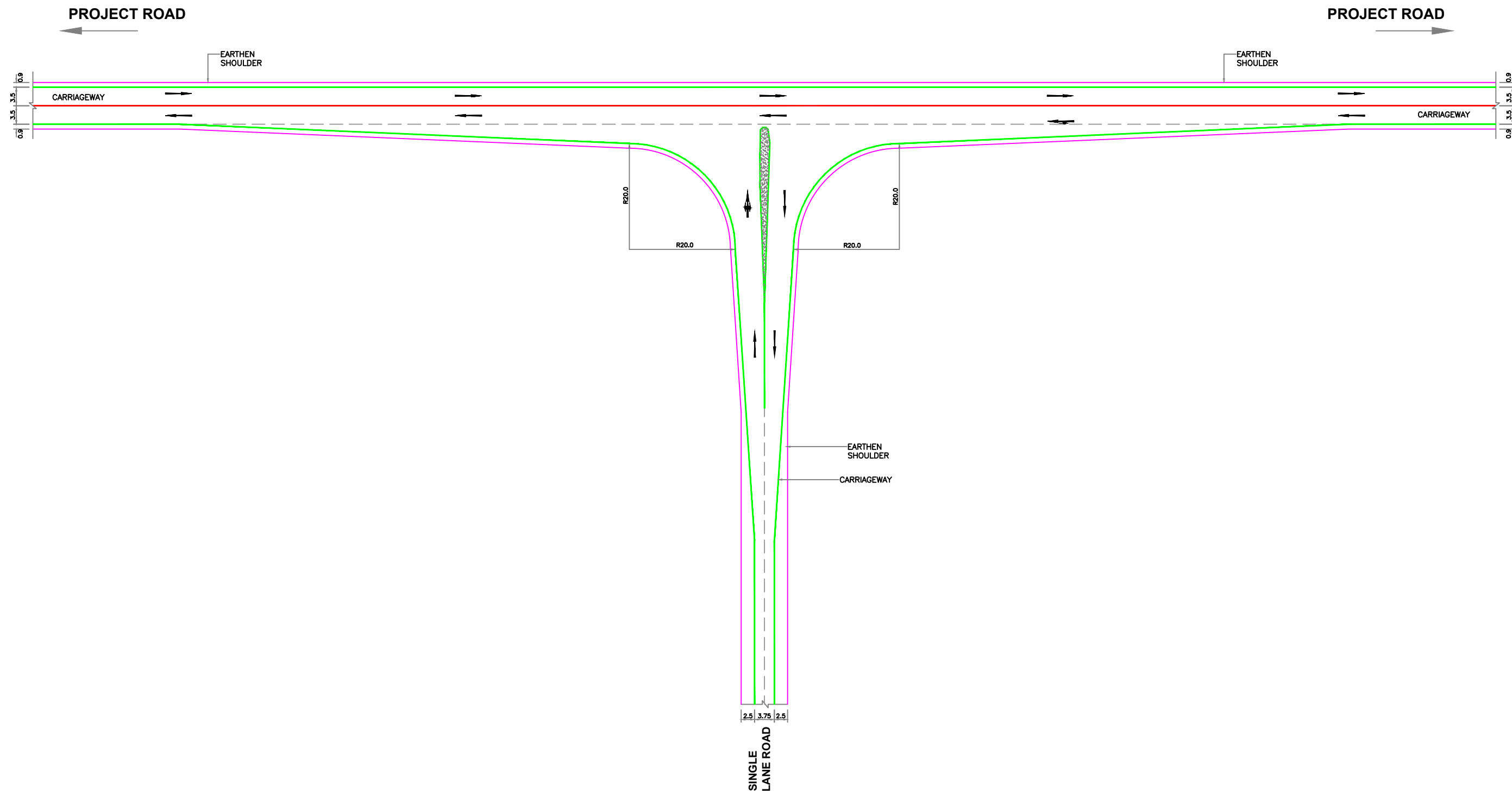
B.S.Pandey

DEC- 2019

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Patparganj Delhi-110092.



TYPICAL 'THREE ARM' JUNCTION



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL 'T' JUNCTION

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

01 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

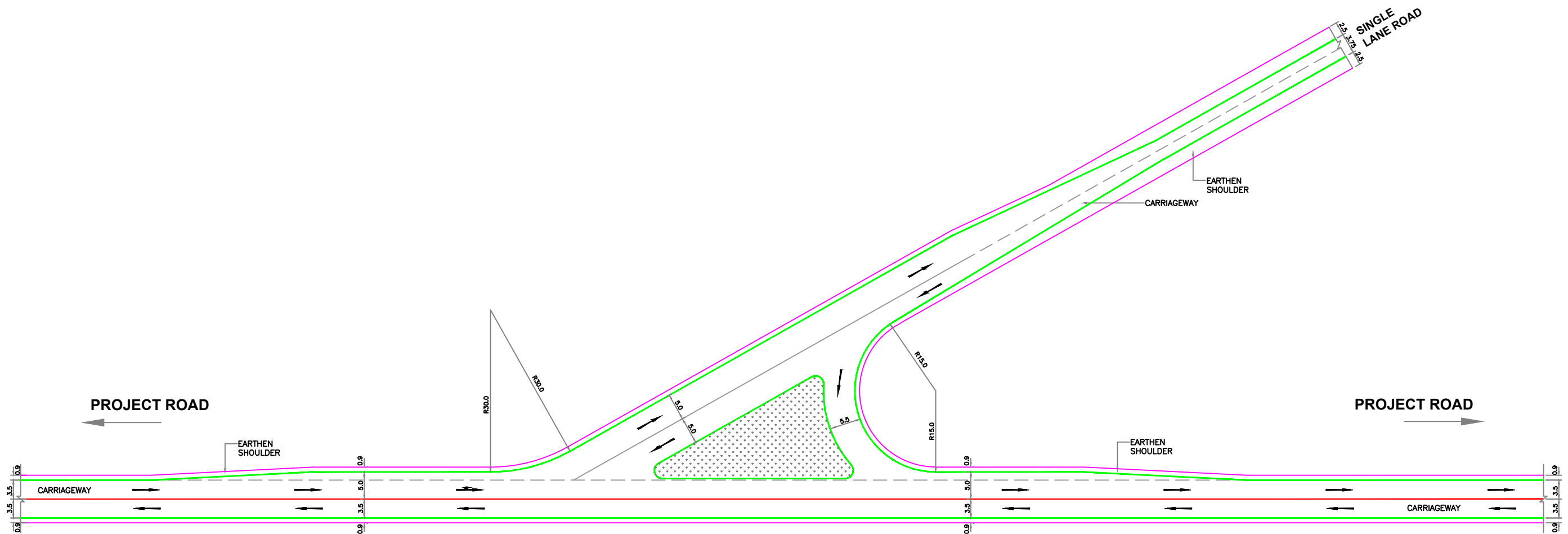
B.S.Pandey

DEC- 2019

CONSULTANT:



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in association with Vaishnavi Infratech Services P. Ltd
68,Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPICAL 'Y' JUNCTION



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL 'Y' JUNCTION

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

02 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

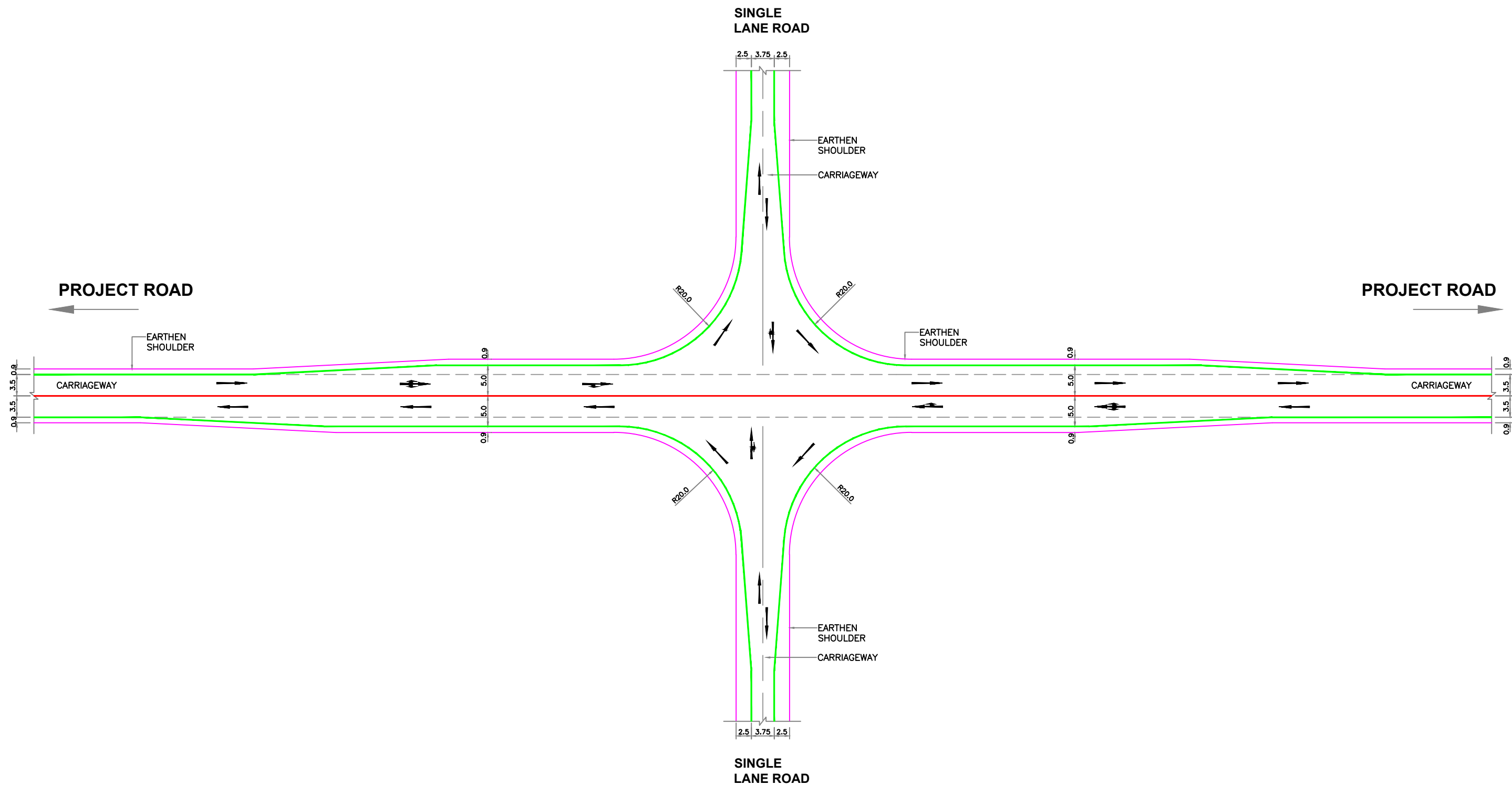
B.S.Pandey

DEC- 2019

CONSULTANT:



Technocrats Advisory Services Private Limited
in association with Vaishnavi Infratech Services P. Ltd
68, Ajanta Apartments, 36, I.P. Extension
Patparganj Delhi-110092.



TYPICAL 'FOUR ARM' JUNCTION



Project Title:

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

TYPICAL 'FOUR ARM' JUNCTION

Drawing No. :- TASPL/NHIDCL/DDPR/MISC/11

Sheet :

Scale :- NTS

03 OF 03

Drn

Dgn.

Appd

Date

Deepak

B.Mishra

B.S.Pandey

DEC- 2019

CONSULTANT:

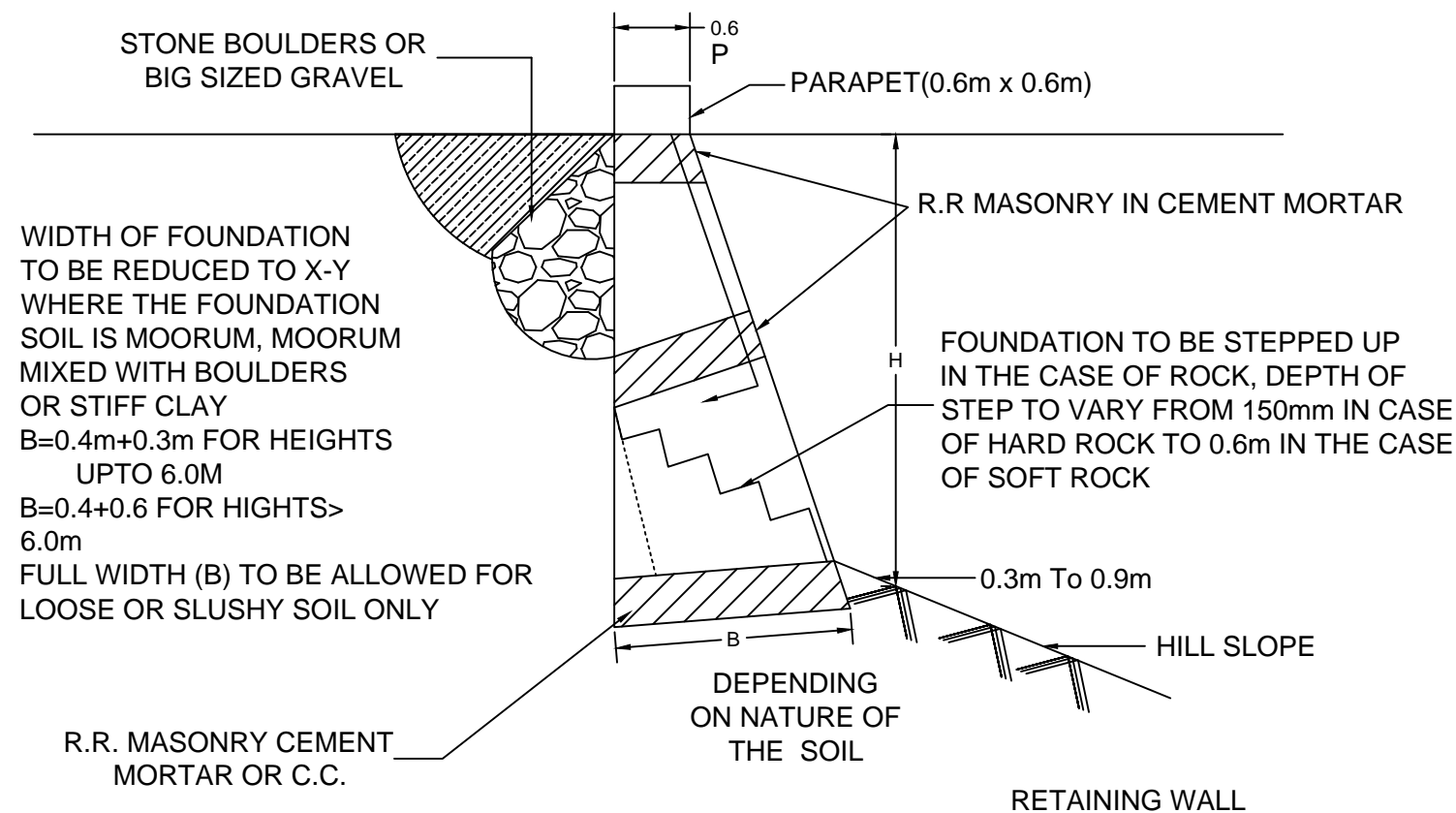


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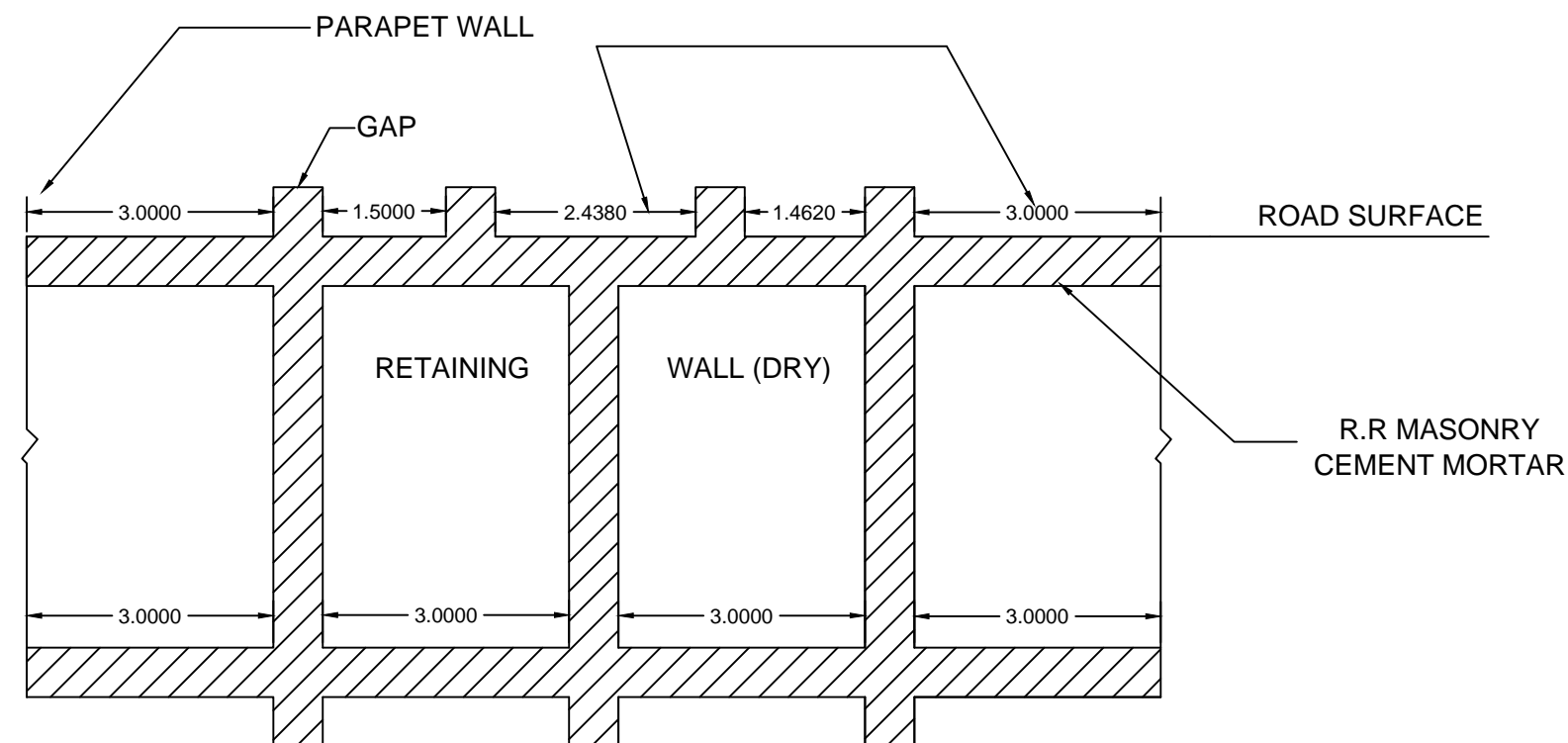
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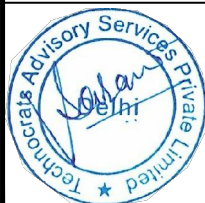
RETAINING WALL ►



CROSS SECTION



L-SECTION ON P-Q



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

GENERAL ARRANGEMENT DRAWING
OF RETAINING WALL

Drawing No. :- TASPL/NHIDCL/DDPR/RW/12

Sheet :

01 OF 01

Scale :- NTS

Drn

Dgn.

Appd

Date

D.S

B.Mishra

B.S.Pandey

DEC- 2019

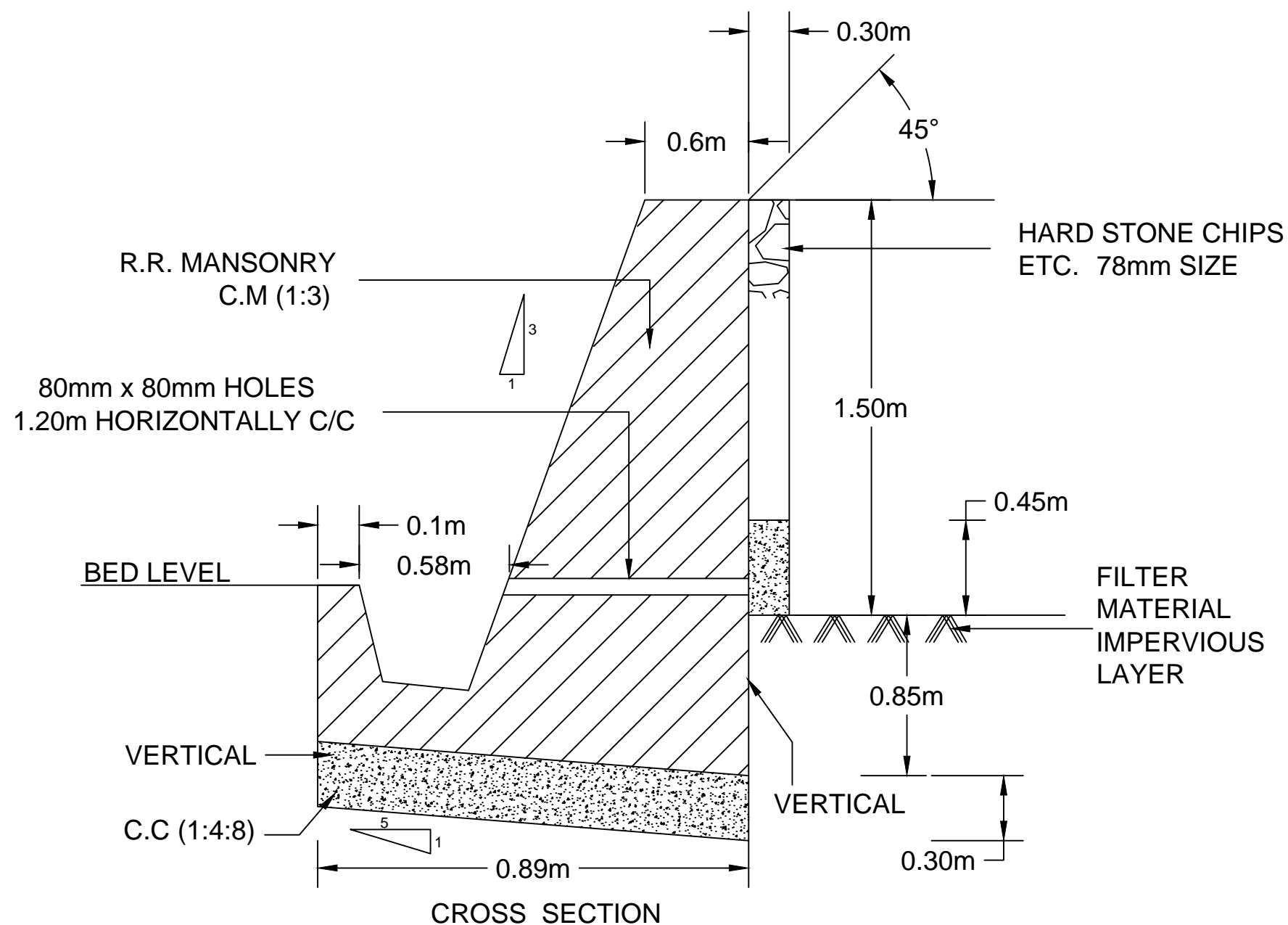
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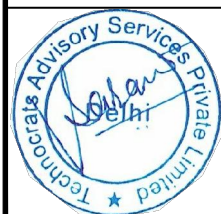
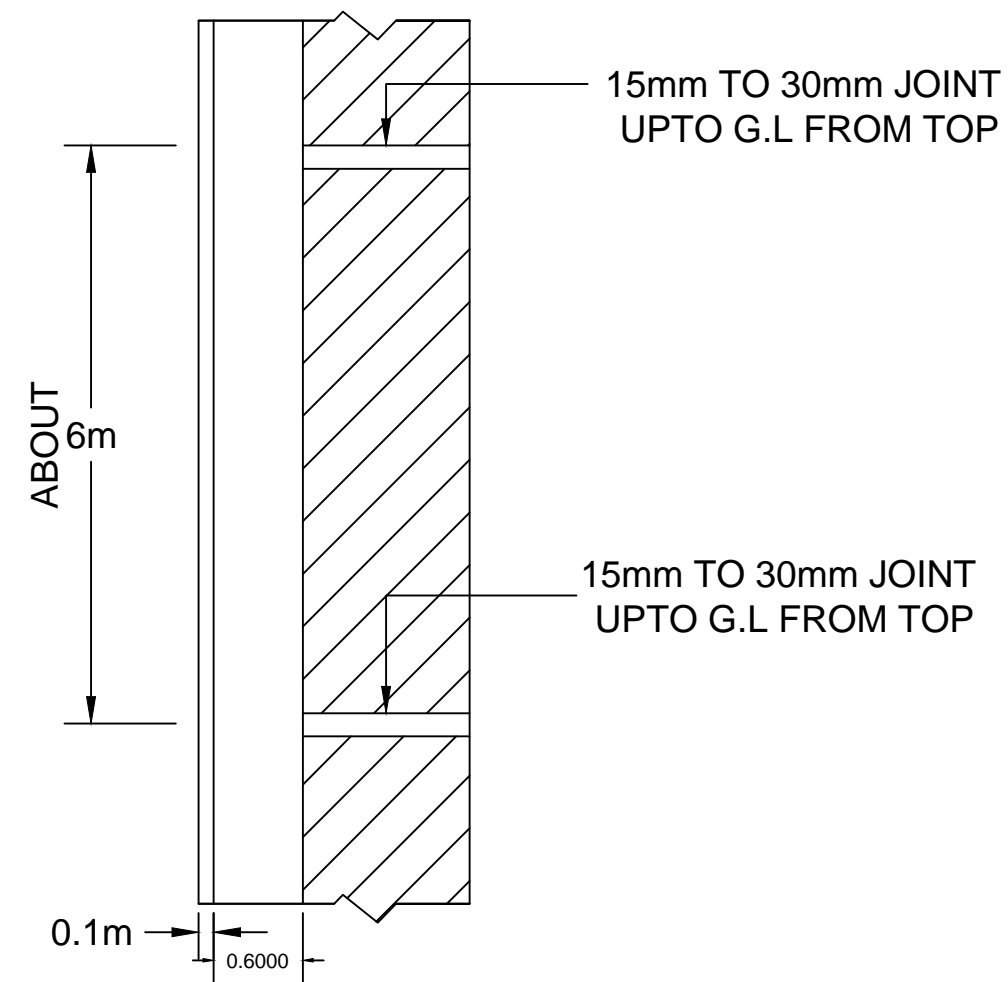
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BREAST WALL





STANDARD 1.50m HIGH BREAST WALL



Project Title:-

CONSULTANCY SERVICES FOR FEASIBILITY STUDY, PREPARATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION SERVICES FOR UP-GRADATION OF SELECTED ROAD STRETCHES / CORRIDORS TO TWO LANE WITH PAVED SHOULDER NH CONFIGURATION UNDER BHARAT MALA PROJECT AND NATIONAL HIGHWAYS CONNECTIVITY TO BACKWARD AREAS/RELIGIOUS/TOURIST PLACES OF THE COUNTRY IN THE STATE OF TRIPURA.

KAILASHAHAR - KURTI BRIDGE SECTION-3

CLIENT:



NATIONAL HIGHWAYS & INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD

Drawing Title:

GENERAL ARRANGEMENT DRAWING
OF BREAST WALL

Drawing No. :- TASPL/NHIDCL/DDPR/BW/12

Sheet : 01 OF 01

Scale :- NTS

Drn	Dgn.	Appd	Date
D.S	B.Mishra	B.S.Pandey	DEC- 2019

CONSULTANT:



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