

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.PW/NBT-110-Forest Case/Bholi to Lower Bholi/2023 - 11123
To

Dated:- 13¹²/₂₀₂₃

The Divisional Forest Officer,
Bilaspur Forest Division,
District Bilaspur (H.P.).

Subject:-

Diversion of 1.90 hectare of forest land in favour of HPPWD for the C/o link road Bholi to Lower Bholi Gassour km. 0/0 to 2/500 within the jurisdiction of Bilaspur Forest Division, District Bilaspur, HP.

Please refer to the Secretary (Forests) to the Government of Himachal Pradesh, Shimla-2 office letter No. FFE-B-F002/48/2023 dated 01-12-2023 on subject cited above which has further been forwarded to this office vide your office Endst. No. 8941 dated 11-12-2023 whereby some observations were raised in subject cited forest case. Now, the same are attended as under:-

Point No.	Reply
Point No.1	Statement showing the details of forest area involved duly C/S by the DFO has now been uploaded of the portal.
Point No.2	Statement showing the details of non-forest area involved duly C/S by the DFO has now been uploaded on the portal.
Point No.3	Certificate of minimum use of forest land duly C/S by the DFO has now been uploaded on the portal.
Point No.4	Certificate of non-availability of non-forest land for CA has now been uploaded on the portal.
Point No.5	Layout plan of the project site duly approved by this office / linear map or diagrammatic map has now been uploaded on the portal.

This is for your kind information and necessary action.

Executive Engineer,
Bilaspur Division No-II,
HP.PWD., Bilaspur

CL-6

CHECK LIST SERIAL NUMBER-06**STATEMENT SHOWING DETAILS OF FOREST AREA
PROPOSED FOR DIVERSION**

Sr No	District	Division	Range/Tehsil/ Village	Khasra/ Survey or Compartment Number of Km. Stone	Forest Area proposed for Diversion (Ha.)	Legal status of Forest Area	Remarks
1.	Bilaspur	Bilaspur No. II	Bilaspur/ Sadar/ Bholi, Batohli & Gassour	Survey Sheet NO. H43E15 and Khasra No. 76,81,83/1, 83/3, 101, 531/183/1, 153, 534/184/1, 534/184/2, 544/529/447/1, 544/529/447/2, 544/529/447/3, 429/1, 430/1, 116, 121, 190/133/82, 122 & 143/76	1.90 Hact	UPF/D PF	Construction of link road Bholi to Lower Bholi Gassour road km. 0/0 to 2/500 in Distt. Bilaspur (H.P)


Assistant Engineer
Namhol, Sub Division
HPPWD Namhol

Date... 09-01-2023
 Officer
 Place... Bilaspur


 EXECUTIVE ENGINEER,
 BILASPUR DIVISION NO.2,
 HP.P.WD, BILASPUR


 Divisional Forest

Divisional Forest Division
 Office Seal

CL-7

Full Title of the Project:- Construction of link road Bholi to Lower Bholi Gassour road km. 0/0 to 2/500 in Distt. Bilaspur (H.P)

File NO. :-

FP/HP/ROAD/37475/2018

Date of Proposal:

10-05-2022

CHECK LIST SERIAL NUMBER-07

STATEMENT SHOWING DETAILS OF NON FOREST AREA INVOLVED IN THE PROPOSAL

S.No	District	Division	Range/Tehsil/Village	Khasra/ Survey or Compartment Number of Km. Stone	Non Forest Area involved in the proposal (Ha.)	Present land Use	Remarks
1.	Bilaspur	Bilaspur No. II	Bilaspur/ Sadar/ Bholi, Batohli & Gassour	Survey Sheet NO. H43E15 & Khasra No. 117 & 114	0.018 Hectare	No any	


Assistant Engineer
Namhol, Sub Division
HPPWD Namhol


EXECUTIVE ENGINEER,
BILASPUR DIVISION NO.2,
HP.P.WD, BILASPUR

Forwarded by :-

Date.....09-01-2023
Place.....Bilaspur


Divisional Forest Officer
Bilaspur Forest Division
Office Seal
Bilaspur (H.P.)

CL_11

Full Title of the Project:- Construction of link road Bholi to Lower Bholi
Gassour road km. 0/0 to 2/500 in Distt.
Bilaspur (H.P)

File NO. :- FP/HP/ROAD/37475/2018
Date of Proposal: 10-05-2022

CHECK LIST SERIAL NUMBER-11**CERTIFICATE FOR MINIMUM USE OF FOREST LAND**

This is to certify that the forest area involved in the proposal is unavoidable and barest minimum i.e. 1.715 + 0.183 ha (Dumping site area) = 1.90 Hect which is proposed diversion.



Assistant Engineer
Namhol, Sub Division
HPPWD Namhol

Place : Bilaspur

Date : 09-06-2023



EXECUTIVE ENGINEER,
BILASPUR DIVISION NO.2,
HP.P.WD, BILASPUR

Countersigned -



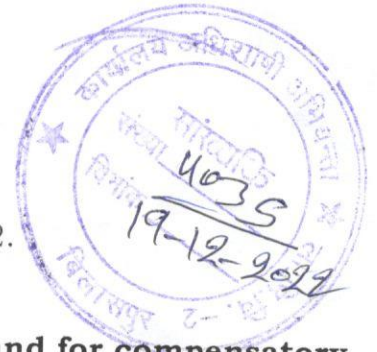
Divisional Forests Officer

Divisional Forest Officer
Bilaspur Forest Division
Office Seal

No.BLS-ADRA-2(12)/12-III-
Office of the Deputy Commissioner,
District Bilaspur (Himachal Pradesh)

Bilaspur the

2022.



Certificate of Non-Availability of Non-Forest land for compensatory afforestation.

It is certified that there is no non-forest government land available in District Bilaspur as all government waste land or land over which govt. has proprietary rights, has been classified as forest land vide notification No. Ft (a)-1/52 dated 15th January 1952. As such, no non-forest land is available or raising compensatory afforestation in lieu of the forest land proposed for the **1.55 (Hec.) comprised in Khasra No. 76, 81, 83, 83/3, 101/1, 531/183/1, 153, 53/4/184/1, 534/184/2, 544/529/447/1, 544/529/447/2, 429/1, 430/1 Village Bholi, 0.20 (Hec.) comprised in Khasra No. 143/76/1 Village Gassour, 0.15 (Hec.) comprised in Khasra No. 190/133/82/1, 114/1, 116/1, 117/239/1, 121/1, 122/2 Village Batoli for the purpose of Construction of Link road Bholi to Lower Bholi Gassour K.M 0/0 to 2/500 in Sub Division Bilaspur (Sadar), District Bilaspur, H.P.** Consequently, compensatory afforestation has been proposed over the forest land.

Endst.No.A.A. 88928

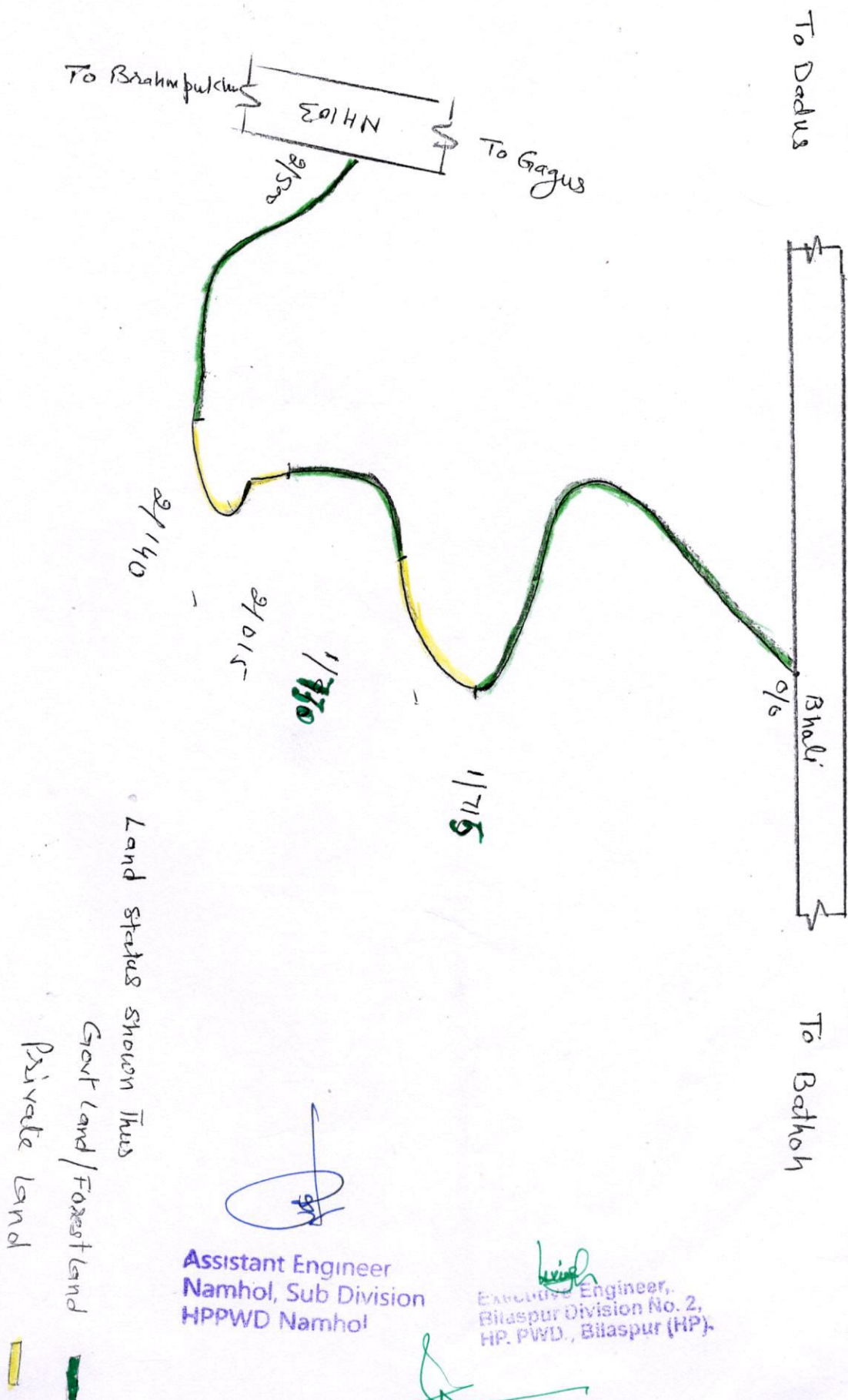
Pankaj Rai, (I.A.S.)
Deputy Commissioner,
Bilaspur, Distt. Bilaspur (H.P.)
Dated 16/12/2022.

Copy forwarded to the Executive Engineer, HPPWD Division No-II Bilaspur, H.P. for information & necessary action.

Deputy Commissioner,
Bilaspur, Distt. Bilaspur (H.P.)

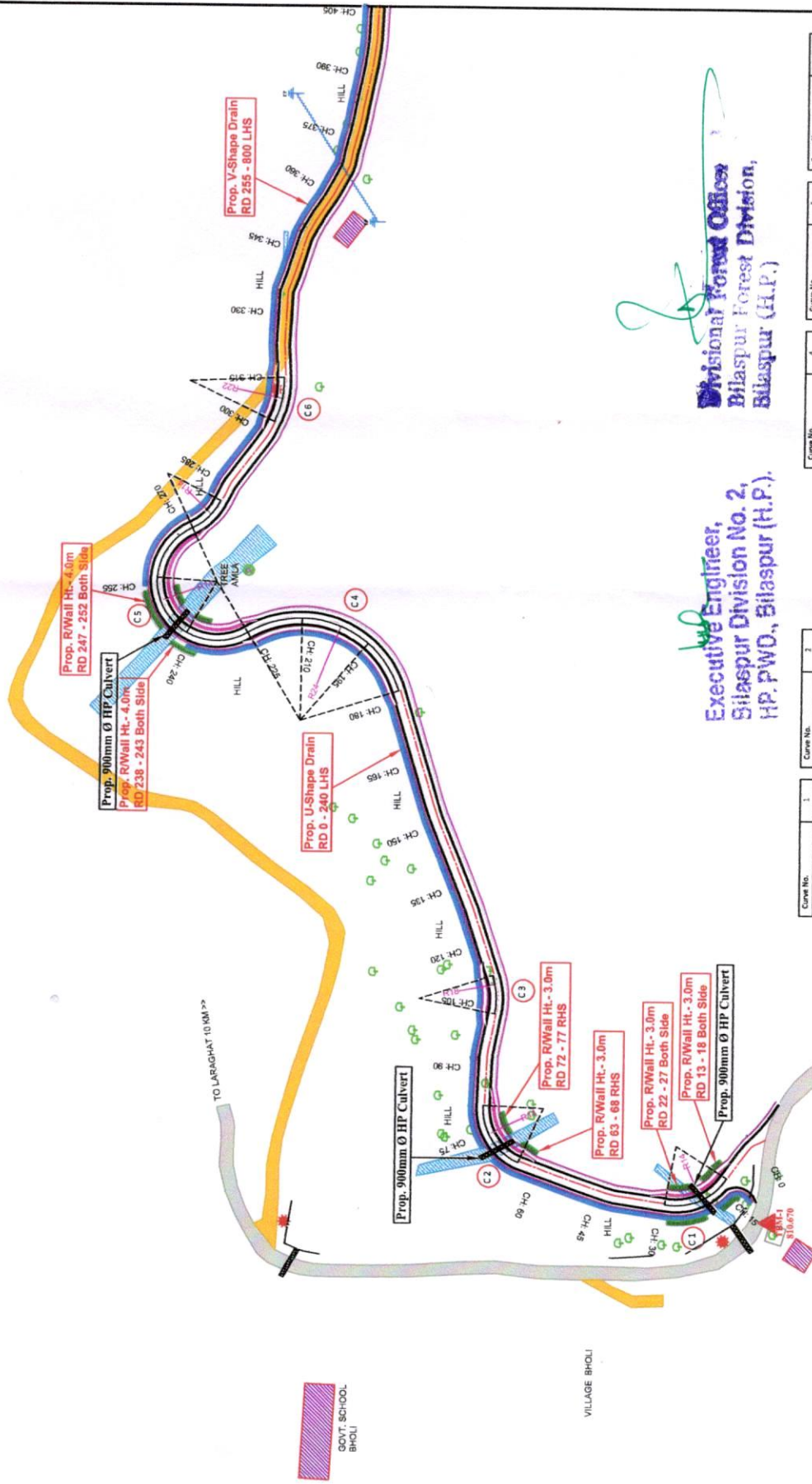
Name of block:- construction of link Road Bhalu To lower Bhalu Gassore Road km 10 to 2/500

INDEX MAP



TOPOGRAPHICAL SURVEY PLAN FOR CONSTRUCTION OF LINK ROAD BHOLI TO LOWER BHOLI GASSOUR (Including 1 No. Bridge) FROM KM.-0/000 TO KM.-2/320 UNDER NABARD.

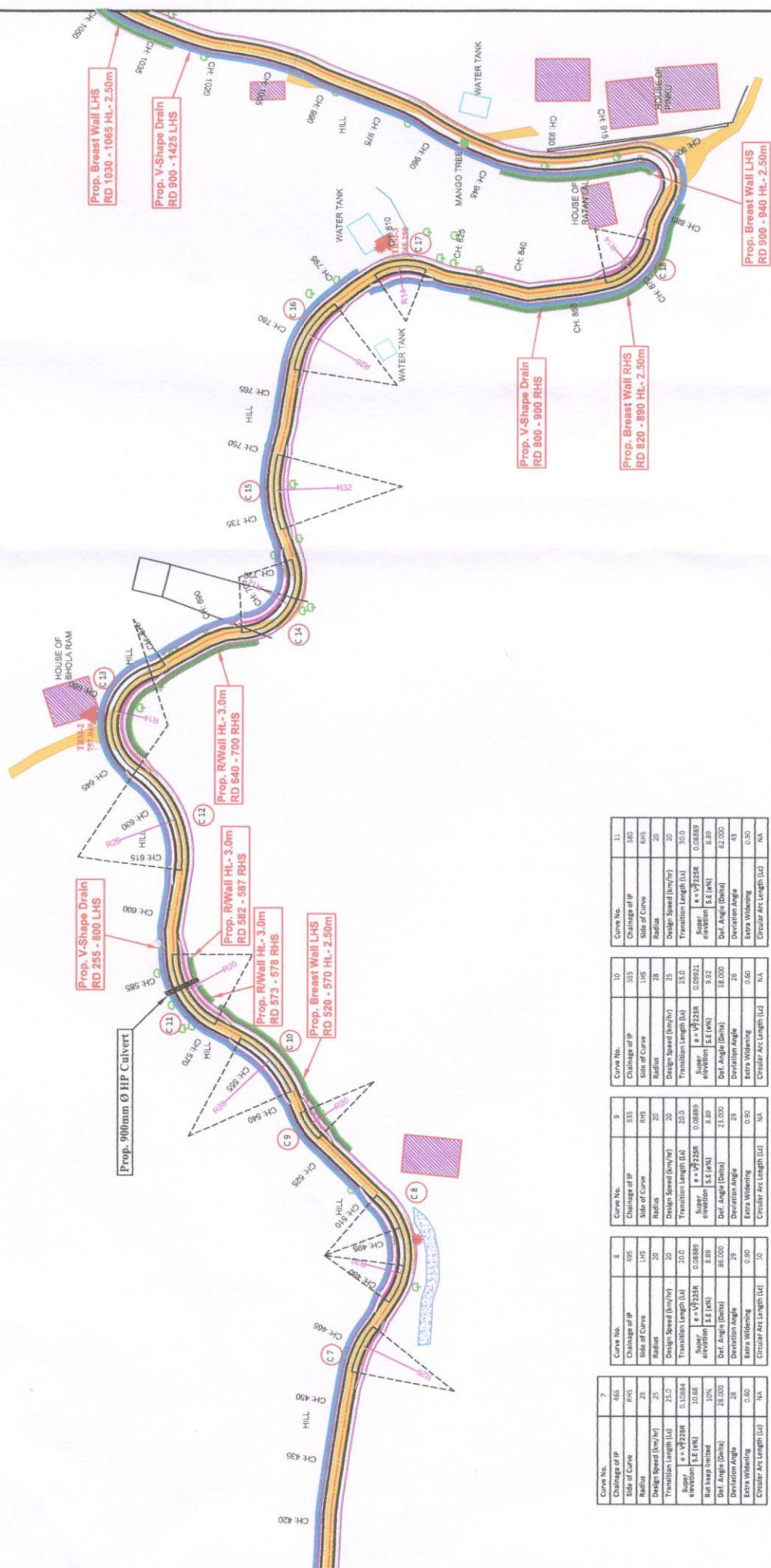
SHEET-1/4



**Executive Engineer,
Silaspur Division No. 2,
HP, PWD., Silaspur (H.P.).**

**Divisional Forest Officer,
Bilaspur Forest Division,
Bilaspur (H.P.).**

Curve No.	1	2	3	4	5	6
Chainage of IP	20	75	105	200	250	310
Side of Curve	RHS	RHS	LHS	LHS	RHS	LHS
Radius	15	14	18	24	14	22
Design Speed (km/hr)	30.0	30.0	30.0	30.0	30.0	30.0
Transition Length (Lt)	0.12698	0.12698	0.12698	0.12698	0.12698	0.12698
Super elevation	1.4 (4%)	1.4 (4%)	1.4 (4%)	1.4 (4%)	1.4 (4%)	1.4 (4%)
But keep limited	10%	10%	10%	10%	10%	10%
Def. Angle (Delta)	61	68.000	29.000	104.000	108.000	28.000
Dev. Angle (Delta)	61	68.000	29.000	104.000	108.000	28.000
Extra Widening	0.50	0.50	0.50	0.50	0.50	0.50
Circular Arc Length (Lt)	NA	NA	NA	17	15	NA



Curve No.	7
Chainage of IP	465
Side of Curve	RHS
Radius	28
Design Speed (km/hr)	25
Transition Length (Ls)	25.0
$e = V^2/2384$	0.10684
Supery elevation	10.68
But keep limited	10%
Def. Angle (Delta)	28.000
Deviation Angle	28
Extra Widening	0.50
Circular Arc Length (Lc)	NA

Curve No.	8
Chainage of IP	495
Side of Curve	LHS
Radius	20
Design Speed (km/hr)	20
Transition Length (m)	20.0
Super elevation	$e = V^2/25R$ 0.08889
S.G. (%)	8.89
Def. Angle (Delta)	86.000
Deviation Angle	29
Extra Widening	0.50
Circular Arc Length (m)	10

Curve No.	9
Chainage of IP	535
Side of Curve	RHS
Radius	20
Design Speed (km/hr)	20
Transition Length (Ls)	25.0
Superelevation	0.08889
$e = V^2/25R$	8.89
Def. Angle (Delta)	23.000
Deviation Angle	25
Extra Widening	0.50
Circular Arc Length (Lc)	NA

Curve No.	10
Chainage of IP	535
Side of Curve	LHS
Radius	28
Design Speed (km/hr)	25
Transition Length (Ls)	23.0
Super elevation	0.09921
S.C. (%)	9.92
Def. Angle (Delta)	38.000
Deviation Angle	25
Extra Widening	0.60
Circular Arc Length (Lc)	N/A

Curve No.	11
Chainage of IP	580
Side of Curve	RHS
Radius	20
Design Speed (km/hr)	20
Transition Length (L)	30.0
Super elevation	$e = V^2/225R$ 0.0889
S.E (e%)	8.89
Def. Angle (Delta)	62.000
Wearing Angle	43
Extra Widening	0.50
Circular Arc Length (Lc)	N/A

Curve No.	12
Chainage of IP	630
Side of Curve	LHS
Radius	26
Design Speed (km/hr)	25
Transition Length (Lt)	25.0
Superelevation	$e = 1/223R$
S.E (e%)	10.58
Def. Angle (Delta)	16%
Deviation Angle	63.000
Extra Widening	78
Circle Arc Length (Lc)	0.50
	N/A

Curve No.	13
Chainage of IP	660
Side of Curve	RHS
Radius	14
Design Speed (km/hr)	20
Transition Length (Ls)	30.0
Super elevation	$e = 1/723R$
Superelevation	5.5 (%)
Butt keep limited	12.70
Def. Angle (Delta)	10%
Deviation Angle	128.000
Extra Widening	61
Circle Arc Length (Lc)	0.90
	NA

Curve No.	14
Chainage of IP	710
Side of Curve	LHS
Radius	14
Design Speed (km/hr)	20
Transition Length (L _t)	30.0
Super elevation	0.12688
S.E. (%)	1.270
But keep limited	10%
Def. Angle (Delta)	106.000
Deviation Angle	61
Extra Widening	0.90
Clearance Length (L _c)	N/A

Curve No.	15
Chainage of IP	740
Side of Curve	RHS
Radius	32
Design Speed (km/hr)	25
Transition Length (L _t)	24.0
$e = \sqrt[3]{\frac{L_t}{225R}}$	0.06881
Super elevation	5.2 (pts)
Def. Angle (Delta)	34.000
Deviation Angle	21
Extra Widening	0.60
Extra Area (acres) (A _e)	NA

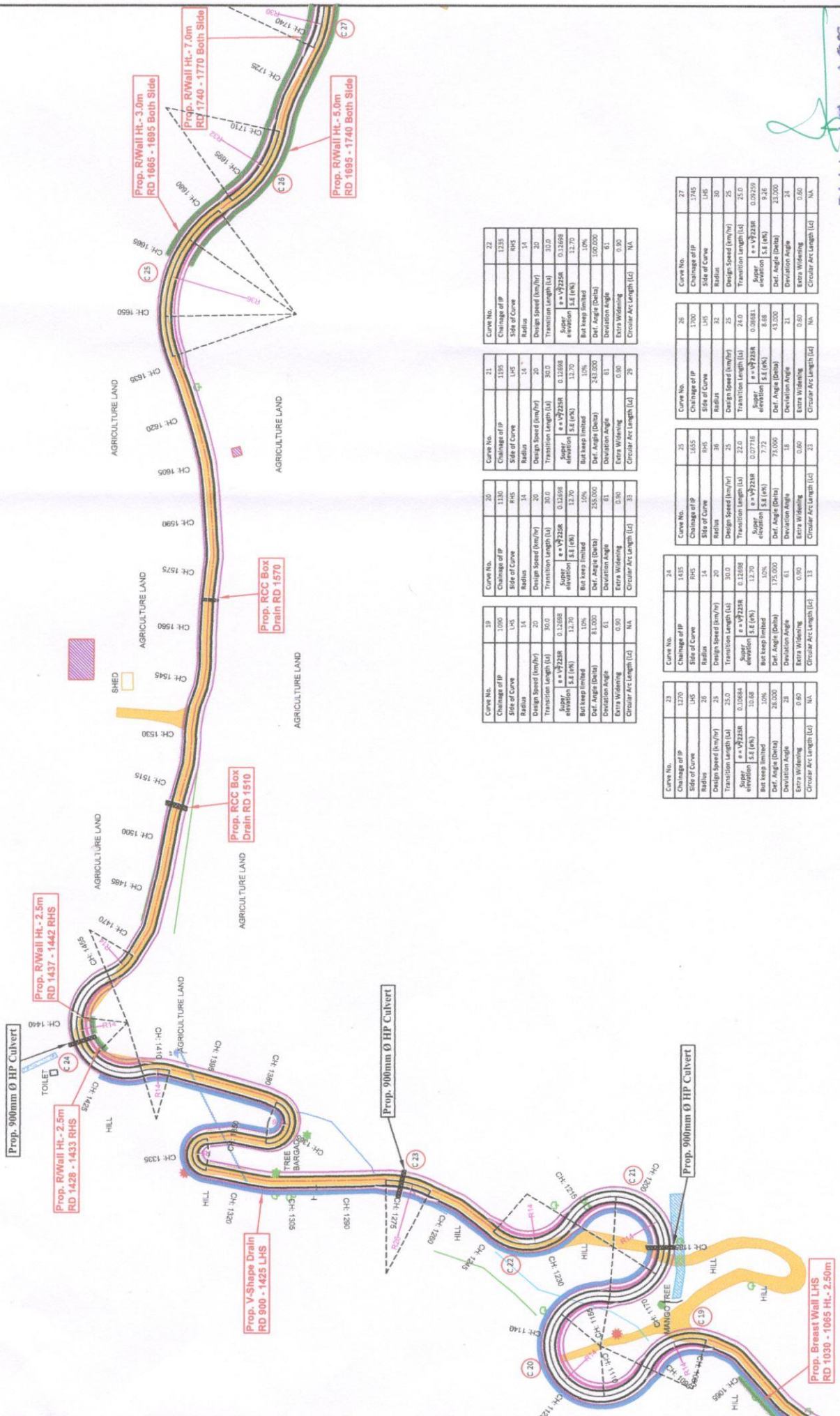
Curve No.	35
Chainage of IP	7980
Side of Curve	RHS
Radius	26
Design Speed (km/hr)	25
Transition Length (m)	25.0
Super elevation	0.10684
Side Slope	5:1 (e/s)
Butt keep limited	10%
Def. Angle (Delta)	44.000
Deviation Angle	28
Extra Widening	0.80
Proposed Area Lengths (m)	N/A

Curve No.	17
Chainage of IP	810
Side of Curve	RHS
Radius	14
Design Speed (km/hr)	20
Transition Length (Ls)	30.0
Super elevation	$e = 1/72.254$
S.E (%)	12.70
But keep limited	10%
Def. Angle (Delta)	55.000
Deviation Angle	61
Extra Widening	0.50
Circle Arc Length (Ls)	84.8

Curve No.	18
Chainage of IP	870
Side of Curve	LHS
Radius	14
Design Speed (km/hr)	30
Transition Length (Lt)	30.0
$e = \frac{V^2}{225R}$	0.12698
Super elevation	12.70
But knee limited	10%
Defl. Angle (Delta)	67.000
Deviation Angle	61
Extra Widening	0.90
Remarks: (If any)	Nil

Executive Engineer,
Bilaspur Division No. 2,
H.P. PWD, Bilaspur (H.P.).

Divisional Forest Officer
Bilaspur Forest Division
Bilaspur (H.P.)



Curve No.	Chainage of IP	Side of Curve	Radius	Design Speed (km/hr)	Transition Length (m)	Super elevation	But keep limited	Def. Angle (Deg)	Deviation Angle	Extra Widening	Circular Arc Length (m)
22	1235	405	14	20	30.0	0.1268	10%	253.000	61	0.90	NA
21	1195	405	14	20	30.0	0.1268	10%	253.000	61	0.90	NA
20	1155	405	14	20	30.0	0.1268	10%	253.000	61	0.90	NA
19	1115	405	14	20	30.0	0.1268	10%	253.000	61	0.90	NA

Curve No.	Chainage of IP	Side of Curve	Radius	Design Speed (km/hr)	Transition Length (m)	Super elevation	But keep limited	Def. Angle (Deg)	Deviation Angle	Extra Widening	Circular Arc Length (m)
27	1745	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
26	1705	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
25	1665	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
24	1625	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
23	1585	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
22	1545	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
21	1505	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
20	1465	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
19	1425	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
18	1385	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
17	1345	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
16	1305	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
15	1265	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
14	1225	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
13	1185	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
12	1145	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
11	1105	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
10	1065	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
9	1025	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
8	985	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
7	945	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
6	905	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
5	865	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
4	825	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
3	785	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
2	745	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA
1	705	405	30	25	25.0	0.0929	8.46	23.000	24	NA	NA

VILLAGE GASSOUR

TO GASSOUR MARKET >>

Prop. V-Shape Drain

Existing 900mm Ø HP Culvert (OK)

Prop. W-Type Crash Barrier

Prop. W-Type Crash Barrier

Prop. R/Wall Ht. = 3.0m

CH 7

Prop. W-Type Crash Barrier



10

LIGHT POLE
NALA

LOAD _____

DER
K

**Divisional Forest Officer
Bilaspur Forest Division,
Bilaspur (H.P.)**

Executive Engineer,
Sivaspur Division No. 2,
H.P. PWD, Sivaspur (H.P.).

NKM Research & Development

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