

AREA CALCULATION SHEET

Proposed Protected Forest Land to be diverted for Construction of 4-lane green field highway from Km. 49.155 to Km. 74.700 (Singraur Uparhar to Baranpur Kadipur Ichauli) Crossing on NH-731A on Hybrid Annuity Mode
in District:- Kaushambi (Uttar Pradesh)

Sr. No.	Chainage (in KM.)		Distance (in Mtr.)	Width of Plant Strip to be used (in Mtr.)		Area of Protected Forest Land Strip to be used (in Sq. Mtr.)		Total Forest Area for Diversion (in Sq. Mtr.)	Width of Non Forest Land (in Mtr.)		Area of Non Forest Land to be used (in Sq. Mtr.)		Total Non Forest Land Area (in Sq. Mtr.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	From	To	(m)	LHS	RHS	LHS	RHS	(7+8)	LHS	RHS	LHS	RHS	(12+13)
						(4x5)	(4x6)				(4x10)	(4x11)	
1	49.155	49.230	75.00	0.00	0.00	0.000	0.000	0.00	30.00	30.00	2250.00	2250.00	4500.00
2	49.230	52.570	3340.00	0.00	0.00	0.000	0.000	0.00	22.55	22.55	75317.00	75317.00	150634.00
3	52.570	54.690	2120.00	0.00	0.00	0.000	0.000	0.00	30.00	30.00	63600.00	63600.00	127200.00
4	54.690	55.240	550.00	0.00	0.00	0.000	0.000	0.00	22.55	22.55	12402.50	12402.50	24805.00
5	55.240	55.794	554.00	0.00	0.00	0.000	0.000	0.00	30.00	30.00	16620.00	16620.00	33240.00
6	55.794	56.724	930.00	0.00	0.00	0.000	0.000	0.00	22.55	22.55	20971.50	20971.50	41943.00
7	56.724	57.300	576.00	0.00	0.00	0.000	0.000	0.00	30.00	30.00	17280.00	17280.00	34560.00
8	57.300	60.000	2700.00	0.00	0.00	0.000	0.000	0.00	22.55	22.55	60885.00	60885.00	121770.00
9	60.000	60.675	675.00	0.00	0.00	0.000	0.000	0.00	30.00	30.00	20250.00	20250.00	40500.00
10	60.675	61.800	1125.00	0.00	0.00	0.000	0.000	0.00	22.55	22.55	25368.75	25368.75	50737.50
11	61.800	62.220	420.00	0.00	0.00	0.000	0.000	0.00	30.00	30.00	12600.00	12600.00	25200.00
12	62.220	62.270	50.00	0.00	0.00	0.000	0.000	0.00	96.00	96.00	4800.00	4800.00	9600.00
13	62.270	62.276	6.00	369.467	369.467	2216.802	2216.802	4433.60	0.00	0.00	0.00	0.00	0.00
14	62.276	62.294	18.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00
15	62.294	62.300	6.00	368.538	368.538	2211.228	2211.228	4422.46	0.00	0.00	0.00	0.00	0.00
16	62.300	62.380	80.00	0.00	0.00	0.000	0.000	0.00	99.00	99.00	7920.00	7920.00	15840.00
17	62.380	62.780	400.00	0.00	0.00	0.000	0.000	0.00	30.00	30.00	12000.00	12000.00	24000.00
18	62.780	62.960	180.00	0.00	0.00	0.000	0.000	0.00	22.55	22.55	4059.00	4059.00	8118.00
19	62.960	63.480	520.00	0.00	0.00	0.000	0.000	0.00	30.00	30.00	15600.00	15600.00	31200.00
20	63.480	63.4885	8.50	61.900	61.90	526.150	526.150	1052.30	0.00	0.00	0.00	0.00	0.00
21	63.4885	63.4955	7.00	0.00	0.00	0.000	0.000	0.00	86.12	86.12	602.84	602.84	1205.68
22	63.4955	63.504	8.50	67.21	67.209	571.276	571.276	1142.553	0.00	0.00	0.00	0.00	0.00
23	63.504	64.400	896.00	0.00	0.00	0.000	0.000	0.00	25.00	25.00	22400.00	22400.00	44800.00
24	64.400	64.53081	130.81	12.18	12.18	1593.266	1593.266	3186.53	23.00	23.00	3008.63	3008.63	6017.26
25	64.53081	64.600	69.19	0.00	0.00	0.000	0.000	0.00	23.00	23.00	1591.37	1591.37	3182.74
26	64.60	64.680	80.00	0.00	0.00	0.000	0.000	0.00	15.00	15.00	1200.00	1200.00	2400.00
27	64.680	66.170	1490.00	7.1353	7.4195	10631.597	11055.055	21686.65	0.00	0.00	0.00	0.00	0.00
28	66.170	66.840	670.00	8.0467	7.9534	5391.289	5328.778	10720.07	0.00	0.00	0.00	0.00	0.00
29	66.840	67.210	370.00	8.0117	7.9972	2964.329	2958.964	5923.29	0.00	0.00	0.00	0.00	0.00
30	67.210	67.300	90.00	8.5020	8.5020	765.180	765.180	1530.36	0.00	0.00	0.00	0.00	0.00
31	67.300	67.500	200.00	0.00	0.00	0.000	0.000	0.00	22.74	22.80	4548.00	4560.00	9108.00
32	67.500	67.650	150.00	3.5532	3.5532	532.980	532.980	1065.96	0.00	0.00	0.00	0.00	0.00
33	67.650	68.675	1025.00	7.9490	8.0437	8147.725	8244.792	16392.52	0.00	0.00	0.00	0.00	0.00
			19520.00			35551.822	36004.472	71556.294			405274.59	405286.59	810561.18


 Executive Engineer
 N.H. Div.-1 P.W.D.
 PRAYAGRAJ

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	From	To	(m)	LHS	RHS	LHS	RHS	(7+8)	LHS	RHS	LHS	RHS	(7+8)
						(4x5)	(4x6)				(4x5)	(4x6)	
34	68.675	69.610	935.00	7.9753	8.0246	7456.906	7503.001	14959.91	30.00	30.00	28050.00	28050.00	56100.00
35	69.610	70.500	890.00	8.2617	7.3209	7352.913	6515.601	13868.51	0.00	0.00	0.00	0.00	0.00
36	70.500	71.100	600.00	0.00	0.00	0.000	0.000	0.00	23.00	23.00	13800.00	13800.00	27600.00
37	71.100	71.760	660.00	6.69092	5.85389	4416.007	3863.567	8279.57	17.00	17.00	11220.00	11220.00	22440.00
38	71.760	74.700	2940.00	7.81305	7.81486	22970.367	22975.688	45946.06	0.00	0.00	0.00	0.00	0.00
			6025.00			42196.193	40857.858	83054.051			53070.00	53070.00	106140.00
			25545.00					154610.345					916701.18
Area of Proposed Protected Forest Land to be diverted is						154610.3 SqM			Area of Non Forest Land is		916701.18 SqM		

So, total Protected Forest Land proposed for diversion is ≈ 15.461 Ha.

Non Forest Land area is ≈ 91.6701 Ha.

(Authorised Signatory)

National Highway Division
U.P. P.W.D. Prayagraj
Executive Engineer
N.H. Div.-1 P.W.D.
PRAYAGRAJ