

MUCK MANAGEMENT PLAN

Name of work :- Construction of motorable Link road from Rajera (Bhaniya) Bailly KM. 0/0 to 4/500

	Total Quantity of muck being produced	88395.55
1	Deduction for useful stone as required under clauses of agreement to be executed by the Executive Engineer of Proeject Implementing unit Division in behalf of Govt. of H.P. for using in project.(Credit for useful stones to be obtained from cutting i.e. 1/3rd quantity of hard blasting =$32602.40/3 = 10867.47$ Cubic Metre)	10867.47
	Net balance quantity of debries / Muck	77528.08
2	Add quantity available on site with swell factor @ 40% on P.W. & J.W. ($22437.70+33355.44=55793.14 \times 40\% = 78110.40$ Cubic Metre)	78110.40
	Add quantity available on site with swell factor @ 25% on Blast work = $32602.40-10867.47=21734.94 \times 25\% = 27168.67$ Cubic metre	27168.67
	GRAND TOTAL (A)	182807.15
3	Less of material required for the construction of duming in dry masonry wall @ 5% of (A)	9140.36
4	Less of material / muck required for the levelling of proposed road @ 15% of (A)	27421.07
5	Less of material / muck required for the levelling of proposed road on the analogy of half cutting and half filling @ 40% of (A)	73122.86
	GRAND TOTAL (B)	109684.29
6	Material / muck left in the site which required carriage for the proper dumping at the recognised site as per the iustruction of Forest and Environment Ministry reinforced by various judgement of the Apex Court Govt. of India i.e. (A-B)	73122.86
	Design proposed for dumping DS-I to DS-III (Attached)	DS-I and DS-III
	Proposed dumping place design DS-I to DS-III	3 No.
	Total capacity of dumping places :	73500.00
		Cum.
	Area in Ha for dumping site	0.15

Assistant Engineer,
Chamba Sub-Division, No.1
H.P. PWD, Chamba (H.P.)

Executive Engineer,
Chamba Division,
H.P. PWD, Chamba (H.P.)

Detail of Measurement

Name of work :- Construction of motorable Link road from Rajera (Bhaniya) Bailly KM. 0/0 to 4/500

RD.	X-Section area	Mean Area	Length	Quantity	Clasifications			Quantity		
					PW	JW	BW	PW	JW	BW
0/ 0	0.00	0.00	15.00	0.00	50%	50%	0%	0.00	0.00	0.00
0/ 15	22.47	11.24	15.00	168.53	50%	50%	0%	84.26	84.26	0.00
0/ 30	22.59	22.53	15.00	337.95	50%	50%	0%	168.98	168.98	0.00
0/ 45	22.71	22.65	15.00	339.75	50%	50%	0%	169.88	169.88	0.00
0/ 60	24.56	23.64	15.00	354.53	50%	50%	0%	177.26	177.26	0.00
0/ 75	24.68	24.62	15.00	369.30	50%	50%	0%	184.65	184.65	0.00
0/ 90	24.80	24.74	15.00	371.10	50%	50%	0%	185.55	185.55	0.00
0/ 105	17.88	21.34	15.00	320.10	50%	50%	0%	160.05	160.05	0.00
0/ 120	18.00	17.94	15.00	269.10	50%	50%	0%	134.55	134.55	0.00
0/ 135	18.12	18.06	15.00	270.90	50%	50%	0%	135.45	135.45	0.00
0/ 150	18.24	18.18	15.00	272.70	50%	50%	0%	136.35	136.35	0.00
0/ 165	22.44	20.34	15.00	305.10	50%	50%	0%	152.55	152.55	0.00
0/ 180	22.56	22.50	15.00	337.50	50%	50%	0%	168.75	168.75	0.00
0/ 195	22.68	22.62	15.00	339.30	50%	50%	0%	169.65	169.65	0.00
0/ 210	22.80	22.74	15.00	341.10	50%	50%	0%	170.55	170.55	0.00
0/ 225	22.92	22.86	15.00	342.90	50%	50%	0%	171.45	171.45	0.00
0/ 240	14.89	18.91	15.00	283.58	50%	50%	0%	141.79	141.79	0.00
0/ 255	15.01	14.95	15.00	224.25	50%	50%	0%	112.13	112.13	0.00
0/ 270	15.13	15.07	15.00	226.05	50%	50%	0%	113.03	113.03	0.00
0/ 285	15.25	15.19	15.00	227.85	50%	50%	0%	113.93	113.93	0.00
0/ 300	16.54	15.90	15.00	238.43	50%	50%	0%	119.21	119.21	0.00
0/ 315	16.66	16.60	15.00	249.00	60%	40%	0%	149.40	99.60	0.00
0/ 330	16.78	16.72	15.00	250.80	60%	40%	0%	150.48	100.32	0.00
0/ 345	16.90	16.84	15.00	252.60	60%	40%	0%	151.56	101.04	0.00
0/ 360	17.02	16.96	15.00	254.40	60%	40%	0%	152.64	101.76	0.00
0/ 375	17.14	17.08	15.00	256.20	60%	40%	0%	153.72	102.48	0.00
0/ 390	17.26	17.20	15.00	258.00	60%	40%	0%	154.80	103.20	0.00
0/ 405	17.38	17.32	15.00	259.80	60%	40%	0%	155.88	103.92	0.00
0/ 420	17.50	17.44	15.00	261.60	60%	40%	0%	156.96	104.64	0.00
TOTAL				7982.40				4195.44	3786.96	0.00

RD.	X-Section area	Mean Area	Length	Quantity	Classifications			Quantity		
					PW	JW	BW	PW	JW	BW
0/ 420	17.50	0.00	15.00	0.00	60%	40%	0%	0.00	0.00	0.00
0/ 435	17.29	17.40	15.00	260.93	60%	40%	0%	156.56	104.37	0.00
0/ 450	17.08	17.19	15.00	257.78	60%	40%	0%	154.67	103.11	0.00
0/ 465	16.87	16.98	15.00	254.63	60%	40%	0%	152.78	101.85	0.00
0/ 480	16.66	16.77	15.00	251.48	60%	40%	0%	150.89	100.59	0.00
0/ 495	16.45	16.56	15.00	248.33	60%	40%	0%	149.00	99.33	0.00
0/ 510	25.44	20.95	15.00	314.18	60%	40%	0%	188.51	125.67	0.00
0/ 525	25.23	25.34	15.00	380.03	60%	40%	0%	228.02	152.01	0.00
0/ 540	25.02	25.13	15.00	376.88	60%	40%	0%	226.13	150.75	0.00
0/ 555	24.81	24.92	15.00	373.73	60%	40%	0%	224.24	149.49	0.00
0/ 570	24.60	24.71	15.00	370.58	0%	50%	50%	0.00	185.29	185.29
0/ 585	24.39	24.50	15.00	367.43	0%	50%	50%	0.00	183.71	183.71
0/ 600	23.88	24.14	15.00	362.03	0%	50%	50%	0.00	181.01	181.01
0/ 615	23.67	23.78	15.00	356.63	0%	50%	50%	0.00	178.31	178.31
0/ 630	23.46	23.57	15.00	353.48	0%	50%	50%	0.00	176.74	176.74
0/ 645	23.25	23.36	15.00	350.33	0%	50%	50%	0.00	175.16	175.16
0/ 660	23.04	23.15	15.00	347.18	0%	50%	50%	0.00	173.59	173.59
0/ 675	22.83	22.94	15.00	344.03	0%	50%	50%	0.00	172.01	172.01
0/ 690	26.23	24.53	15.00	367.95	0%	50%	50%	0.00	183.98	183.98
0/ 705	26.02	26.13	15.00	391.88	0%	50%	50%	0.00	195.94	195.94
0/ 720	25.81	25.92	15.00	388.73	0%	50%	50%	0.00	194.36	194.36
0/ 735	25.60	25.71	15.00	385.58	0%	40%	60%	0.00	154.23	231.35
0/ 750	25.39	25.50	15.00	382.43	0%	40%	60%	0.00	152.97	229.46
0/ 765	25.18	25.29	15.00	379.28	0%	40%	60%	0.00	151.71	227.57
0/ 780	24.97	25.08	15.00	376.13	0%	40%	60%	0.00	150.45	225.68
0/ 795	24.76	24.87	15.00	372.98	0%	40%	60%	0.00	149.19	223.79
0/ 810	24.55	24.66	15.00	369.83	0%	40%	60%	0.00	147.93	221.90
0/ 825	24.34	24.45	15.00	366.68	0%	40%	60%	0.00	146.67	220.01
0/ 840	24.13	24.24	15.00	363.53	0%	40%	60%	0.00	145.41	218.12
TOTAL				9714.53				1630.76	4285.83	3797.94

RD.	X-Section area	Mean Area	Length	Quantity	Clasifications			Quantity		
					PW	JW	BW	PW	JW	BW
0/ 840	24.13	0.00	15.00	0.00	0%	40%	60%	0.00	0.00	0.00
0/ 855	22.78	23.46	15.00	351.83	0%	40%	60%	0.00	140.73	211.10
0/ 870	22.65	22.72	15.00	340.73	0%	40%	60%	0.00	136.29	204.44
0/ 885	22.52	22.59	15.00	338.78	0%	40%	60%	0.00	135.51	203.27
0/ 900	22.39	22.46	15.00	336.83	0%	40%	60%	0.00	134.73	202.10
0/ 915	22.26	22.33	15.00	334.88	0%	40%	60%	0.00	133.95	200.93
0/ 930	23.45	22.86	15.00	342.83	0%	40%	60%	0.00	137.13	205.70
0/ 945	23.32	23.39	15.00	350.78	0%	40%	60%	0.00	140.31	210.47
0/ 960	23.19	23.26	15.00	348.83	0%	40%	60%	0.00	139.53	209.30
0/ 975	23.06	23.13	15.00	346.88	0%	40%	60%	0.00	138.75	208.13
1/ 990	22.93	23.00	15.00	344.93	0%	40%	60%	0.00	137.97	206.96
1/ 5	16.89	19.91	15.00	298.65	0%	40%	60%	0.00	119.46	179.19
1/ 20	33.22	25.06	15.00	375.83	20%	30%	50%	75.17	112.75	187.91
1/ 35	33.09	33.16	15.00	497.33	20%	30%	50%	99.47	149.20	248.66
1/ 50	32.96	33.03	15.00	495.38	20%	30%	50%	99.08	148.61	247.69
1/ 65	32.83	32.90	15.00	493.43	20%	30%	50%	98.69	148.03	246.71
1/ 80	22.47	27.65	15.00	414.75	20%	30%	50%	82.95	124.43	207.38
1/ 95	22.34	22.41	15.00	336.08	20%	30%	50%	67.22	100.82	168.04
1/ 110	22.21	22.28	15.00	334.13	20%	30%	50%	66.83	100.24	167.06
1/ 125	22.08	22.15	15.00	332.18	20%	30%	50%	66.44	99.65	166.09
1/ 140	21.95	22.02	15.00	330.23	20%	30%	50%	66.05	99.07	165.11
1/ 155	21.82	21.89	15.00	328.28	20%	30%	50%	65.66	98.48	164.14
1/ 170	21.69	21.76	15.00	326.33	20%	30%	50%	65.27	97.90	163.16
1/ 185	21.56	21.63	15.00	324.38	20%	30%	50%	64.88	97.31	162.19
1/ 200	21.43	21.50	15.00	322.43	20%	30%	50%	64.49	96.73	161.21
1/ 215	21.30	21.37	15.00	320.48	20%	30%	50%	64.10	96.14	160.24
1/ 230	21.17	21.24	15.00	318.53	20%	30%	50%	63.71	95.56	159.26
1/ 245	21.04	21.11	15.00	316.58	20%	30%	50%	63.32	94.97	158.29
1/ 260	20.91	20.98	15.00	314.63	20%	30%	50%	62.93	94.39	157.31
TOTAL				9916.80				1236.18	3348.63	5331.99

RD.	X-Section area	Mean Area	Length	Quantity	Classifications			Quantity		
					PW	JW	BW	PW	JW	BW
1/ 680	15.24	0.00	15.00	0.00	0%	0%	100%	0.00	0.00	0.00
1/ 695	15.46	15.35	15.00	230.25	0%	0%	100%	0.00	0.00	230.25
1/ 710	15.68	15.57	15.00	233.55	0%	0%	100%	0.00	0.00	233.55
1/ 725	15.90	15.79	15.00	236.85	0%	0%	100%	0.00	0.00	236.85
1/ 740	16.12	16.01	15.00	240.15	0%	0%	100%	0.00	0.00	240.15
1/ 755	16.34	16.23	15.00	243.45	0%	0%	100%	0.00	0.00	243.45
1/ 770	16.56	16.45	15.00	246.75	0%	0%	100%	0.00	0.00	246.75
1/ 785	16.78	16.67	15.00	250.05	0%	0%	100%	0.00	0.00	250.05
1/ 800	17.00	16.89	15.00	253.35	0%	50%	50%	0.00	126.68	126.68
1/ 815	17.22	17.11	15.00	256.65	0%	50%	50%	0.00	128.33	128.33
1/ 830	17.44	17.33	15.00	259.95	0%	50%	50%	0.00	129.98	129.98
1/ 845	17.66	17.55	15.00	263.25	0%	50%	50%	0.00	131.63	131.63
1/ 860	17.88	17.77	15.00	266.55	0%	50%	50%	0.00	133.28	133.28
1/ 875	18.10	17.99	15.00	269.85	0%	50%	50%	0.00	134.93	134.93
1/ 890	18.32	18.21	15.00	273.15	0%	50%	50%	0.00	136.58	136.58
1/ 905	18.54	18.43	15.00	276.45	0%	50%	50%	0.00	138.23	138.23
1/ 920	18.76	18.65	15.00	279.75	0%	50%	50%	0.00	139.88	139.88
1/ 935	18.98	18.87	15.00	283.05	0%	50%	50%	0.00	141.53	141.53
1/ 950	19.20	19.09	15.00	286.35	0%	50%	50%	0.00	143.18	143.18
1/ 965	19.42	19.31	15.00	289.65	0%	50%	50%	0.00	144.83	144.83
1/ 985	19.64	19.53	15.00	292.95	0%	50%	50%	0.00	146.48	146.48
2/ 0	19.86	19.75	15.00	296.25	0%	50%	50%	0.00	148.13	148.13
2/ 10	20.08	19.97	15.00	299.55	0%	50%	50%	0.00	149.78	149.78
2/ 25	20.30	20.19	15.00	302.85	0%	50%	50%	0.00	151.43	151.43
2/ 40	20.52	20.41	15.00	306.15	0%	50%	50%	0.00	153.08	153.08
2/ 55	20.74	20.63	15.00	309.45	0%	50%	50%	0.00	154.73	154.73
2/ 70	20.96	20.85	15.00	312.75	0%	50%	50%	0.00	156.38	156.38
2/ 85	21.18	21.07	15.00	316.05	0%	50%	50%	0.00	158.03	158.03
2/ 100	21.40	21.29	15.00	319.35	0%	50%	50%	0.00	159.68	159.68
				7694.40				0.00	3006.68	4687.73

RD.	X-Section area	Mean Area	Length	Quantity	Clasifications			Quantity		
					PW	JW	BW	PW	JW	BW
2/ 520	36.55	0.00	15.00	0.00	20%	20%	60%	0.00	0.00	0.00
2/ 535	14.56	25.56	15.00	383.33	20%	20%	60%	76.67	76.67	230.00
2/ 550	14.68	14.62	15.00	219.30	20%	20%	60%	43.86	43.86	131.58
2/ 565	14.80	14.74	15.00	221.10	20%	20%	60%	44.22	44.22	132.66
2/ 580	14.92	14.86	15.00	222.90	20%	20%	60%	44.58	44.58	133.74
2/ 595	15.04	14.98	15.00	224.70	20%	20%	60%	44.94	44.94	134.82
2/ 610	15.16	15.10	15.00	226.50	20%	20%	60%	45.30	45.30	135.90
2/ 625	15.28	15.22	15.00	228.30	20%	20%	60%	45.66	45.66	136.98
2/ 640	15.40	15.34	15.00	230.10	20%	20%	60%	46.02	46.02	138.06
2/ 655	22.46	18.93	15.00	283.95	20%	20%	60%	56.79	56.79	170.37
2/ 670	22.58	22.52	15.00	337.80	0%	50%	50%	0.00	168.90	168.90
2/ 685	22.70	22.64	15.00	339.60	0%	50%	50%	0.00	169.80	169.80
2/ 700	22.82	22.76	15.00	341.40	0%	50%	50%	0.00	170.70	170.70
2/ 715	22.94	22.88	15.00	343.20	0%	50%	50%	0.00	171.60	171.60
2/ 730	23.06	23.00	15.00	345.00	0%	50%	50%	0.00	172.50	172.50
2/ 745	12.18	17.62	15.00	264.30	0%	50%	50%	0.00	132.15	132.15
2/ 760	12.30	12.24	15.00	183.60	0%	50%	50%	0.00	91.80	91.80
2/ 775	12.42	12.36	15.00	185.40	0%	50%	50%	0.00	92.70	92.70
2/ 790	12.54	12.48	15.00	187.20	40%	40%	20%	74.88	74.88	37.44
2/ 805	12.66	12.60	15.00	189.00	40%	40%	20%	75.60	75.60	37.80
2/ 820	12.78	12.72	15.00	190.80	40%	40%	20%	76.32	76.32	38.16
2/ 835	12.90	12.84	15.00	192.60	40%	40%	20%	77.04	77.04	38.52
2/ 850	13.02	12.96	15.00	194.40	40%	40%	20%	77.76	77.76	38.88
2/ 865	13.14	13.08	15.00	196.20	40%	40%	20%	78.48	78.48	39.24
2/ 880	13.26	13.20	15.00	198.00	40%	40%	20%	79.20	79.20	39.60
2/ 895	13.38	13.32	15.00	199.80	40%	40%	20%	79.92	79.92	39.96
2/ 910	13.50	13.44	15.00	201.60	40%	40%	20%	80.64	80.64	40.32
2/ 925	13.62	13.56	15.00	203.40	40%	40%	20%	81.36	81.36	40.68
2/ 940	13.74	13.68	15.00	205.20	40%	40%	20%	82.08	82.08	41.04
				6738.68				1311.32	2481.47	2945.90

RD.	X-Section area	Mean Area	Length	Quantity	Classifications			Quantity		
					PW	JW	BW	PW	JW	BW
2/ 940	0.00	0.00	15.00	0.00	40%	40%	20%	0.00	0.00	0.00
2/ 955	39.90	19.95	15.00	299.25	40%	40%	20%	119.70	119.70	59.85
2/ 970	39.72	39.81	15.00	597.15	40%	40%	20%	238.86	238.86	119.43
2/ 985	39.54	39.63	15.00	594.45	40%	40%	20%	237.78	237.78	118.89
3/ 0	15.14	27.34	15.00	410.10	40%	40%	20%	164.04	164.04	82.02
3/ 15	14.96	15.05	15.00	225.75	40%	40%	20%	90.30	90.30	45.15
3/ 30	22.40	18.68	15.00	280.20	40%	40%	20%	112.08	112.08	56.04
3/ 45	12.45	17.43	15.00	261.38	40%	40%	20%	104.55	104.55	52.28
3/ 60	12.27	12.36	15.00	185.40	40%	40%	20%	74.16	74.16	37.08
3/ 75	12.09	12.18	15.00	182.70	0%	0%	100%	0.00	0.00	182.70
3/ 90	11.91	12.00	15.00	180.00	0%	0%	100%	0.00	0.00	180.00
3/ 105	11.73	11.82	15.00	177.30	0%	0%	100%	0.00	0.00	177.30
3/ 120	11.55	11.64	15.00	174.60	0%	0%	100%	0.00	0.00	174.60
3/ 135	11.37	11.46	15.00	171.90	50%	50%	0%	85.95	85.95	0.00
3/ 150	11.19	11.28	15.00	884.12	50%	50%	0%	442.06	442.06	0.00
3/ 165	11.01	11.10	15.00	166.50	50%	50%	0%	83.25	83.25	0.00
3/ 180	10.83	10.92	15.00	163.80	50%	50%	0%	81.90	81.90	0.00
3/ 195	10.65	10.74	15.00	161.10	50%	50%	0%	80.55	80.55	0.00
3/ 210	10.47	10.56	15.00	158.40	50%	50%	0%	79.20	79.20	0.00
3/ 225	10.29	10.38	15.00	155.70	50%	50%	0%	77.85	77.85	0.00
3/ 240	10.11	10.20	15.00	153.00	50%	50%	0%	76.50	76.50	0.00
3/ 255	9.93	10.02	15.00	150.30	50%	50%	0%	75.15	75.15	0.00
3/ 270	9.75	9.84	15.00	147.60	50%	50%	0%	73.80	73.80	0.00
3/ 285	9.57	9.66	15.00	144.90	50%	50%	0%	72.45	72.45	0.00
3/ 300	9.39	9.48	15.00	142.20	50%	50%	0%	71.10	71.10	0.00
3/ 315	9.21	9.30	15.00	139.50	50%	50%	0%	69.75	69.75	0.00
3/ 330	9.03	9.12	15.00	136.80	50%	50%	0%	68.40	68.40	0.00
3/ 345	8.85	8.94	15.00	134.10	50%	50%	0%	67.05	67.05	0.00
3/ 360	8.67	8.76	15.00	131.40	50%	50%	0%	65.70	65.70	0.00
				6709.60				2712.13	2712.13	1285.34

RD.	X-Section area	Mean Area	Length	Quantity	Clasifications			Quantity		
					PW	JW	BW	PW	JW	BW
3/ 780	20.28	0.00	15.00	0.00	40%	40%	20%	0.00	0.00	0.00
3/ 795	20.45	20.37	15.00	305.48	40%	40%	20%	122.19	122.19	61.10
3/ 810	20.62	20.54	15.00	308.03	40%	40%	20%	123.21	123.21	61.61
3/ 825	20.79	20.71	15.00	310.58	40%	40%	20%	124.23	124.23	62.12
3/ 840	20.96	20.88	15.00	313.13	40%	40%	20%	125.25	125.25	62.63
3/ 855	21.13	21.05	15.00	315.68	40%	40%	20%	126.27	126.27	63.14
3/ 870	21.30	21.22	15.00	318.23	40%	40%	20%	127.29	127.29	63.65
3/ 885	21.47	21.39	15.00	320.78	40%	40%	20%	128.31	128.31	64.16
3/ 900	21.64	21.56	15.00	323.33	40%	40%	20%	129.33	129.33	64.67
3/ 915	21.81	21.73	15.00	325.88	40%	40%	20%	130.35	130.35	65.18
3/ 930	21.98	21.90	15.00	328.43	40%	40%	20%	131.37	131.37	65.69
3/ 945	22.15	22.07	15.00	330.98	40%	40%	20%	132.39	132.39	66.20
3/ 960	22.32	22.24	15.00	333.53	40%	40%	20%	133.41	133.41	66.71
3/ 975	22.49	22.41	15.00	336.08	40%	40%	20%	134.43	134.43	67.22
3/ 990	22.66	22.58	15.00	338.63	40%	40%	20%	135.45	135.45	67.73
4/ 5	22.83	22.75	15.00	341.18	40%	40%	20%	136.47	136.47	68.24
4/ 20	23.00	22.92	15.00	343.73	40%	40%	20%	137.49	137.49	68.75
4/ 35	23.17	23.09	15.00	346.28	50%	50%	0%	173.14	173.14	0.00
4/ 50	23.34	23.26	15.00	348.83	50%	50%	0%	174.41	174.41	0.00
4/ 65	23.51	23.43	15.00	351.38	50%	50%	0%	175.69	175.69	0.00
4/ 80	23.68	23.60	15.00	353.93	50%	50%	0%	176.96	176.96	0.00
4/ 95	23.85	23.77	15.00	356.48	50%	50%	0%	178.24	178.24	0.00
4/ 110	24.02	23.94	15.00	359.03	50%	50%	0%	179.51	179.51	0.00
4/ 125	24.19	24.11	15.00	361.58	50%	50%	0%	180.79	180.79	0.00
4/ 140	24.36	24.28	15.00	364.13	50%	50%	0%	182.06	182.06	0.00
4/ 155	24.53	24.45	15.00	366.68	50%	50%	0%	183.34	183.34	0.00
4/ 170	24.70	24.62	15.00	369.23	50%	50%	0%	184.61	184.61	0.00
4/ 185	24.87	24.79	15.00	371.78	40%	40%	20%	148.71	148.71	74.36
4/ 200	25.04	24.96	15.00	374.33	40%	40%	20%	149.73	149.73	74.87
TOTAL				9517.20				4164.63	4164.63	1187.94

RD.	X-Section area	Mean Area	Length	Quantity	Classifications			Quantity		
					PW	JW	BW	PW	JW	BW
4/ 200	25.04	0.00	15.00	0.00	40%	40%	20%	0.00	0.00	0.00
4/ 215	25.56	25.30	15.00	379.50	40%	40%	20%	151.80	151.80	75.90
4/ 230	26.08	25.82	15.00	387.30	40%	40%	20%	154.92	154.92	77.46
4/ 245	26.60	26.34	15.00	395.10	40%	40%	20%	158.04	158.04	79.02
4/ 260	27.12	26.86	15.00	402.90	40%	40%	20%	161.16	161.16	80.58
4/ 275	27.64	27.38	15.00	410.70	40%	40%	20%	164.28	164.28	82.14
4/ 290	28.16	27.90	15.00	418.50	40%	40%	20%	167.40	167.40	83.70
4/ 305	28.68	28.42	15.00	426.30	30%	30%	40%	127.89	127.89	170.52
4/ 320	29.20	28.94	15.00	434.10	30%	30%	40%	130.23	130.23	173.64
4/ 335	29.72	29.46	15.00	441.90	30%	30%	40%	132.57	132.57	176.76
4/ 350	15.44	22.58	15.00	338.70	30%	30%	40%	101.61	101.61	135.48
4/ 365	15.96	15.70	15.00	235.50	30%	30%	40%	70.65	70.65	94.20
4/ 380	16.48	16.22	15.00	243.30	30%	30%	40%	72.99	72.99	97.32
4/ 395	17.00	16.74	15.00	251.10	30%	30%	40%	75.33	75.33	100.44
4/ 410	17.52	17.26	15.00	258.90	30%	30%	40%	77.67	77.67	103.56
4/ 425	18.04	17.78	15.00	266.70	40%	40%	20%	106.68	106.68	53.34
4/ 440	18.56	18.30	15.00	274.50	40%	40%	20%	109.80	109.80	54.90
4/ 455	19.08	18.82	15.00	282.30	40%	40%	20%	112.92	112.92	56.46
4/ 470	19.60	19.34	15.00	290.10	40%	40%	20%	116.04	116.04	58.02
4/ 485	20.12	19.86	15.00	297.90	40%	40%	20%	119.16	119.16	59.58
4/ 500	20.64	20.38	15.00	305.70	40%	40%	20%	122.28	122.28	61.14
TOTAL				6741.00				2433.42	2433.42	1874.16

ABSTRACT OF QUANTITY

Name of work :- Construction of motorable Link road from Rajera (Bhaniya)
Bailly KM. 0/0 to 4/500

PAGE	TOTAL QUANTITY	PICK WORK	JUMPER WORK	BLASTING WORK
01	7982.40	4195.44	3786.96	0.00
02	9714.53	1630.76	4285.83	3797.94
03	9916.80	1236.18	3348.63	5331.99
04	7641.23	749.75	1124.62	5766.86
05	7694.40	0.00	3006.68	4687.73
06	9099.53	1017.11	3024.11	5058.32
07	6738.68	1311.32	2481.47	2945.90
08	6709.60	2712.13	2712.13	1285.34
09	6640.20	2986.98	2986.98	666.24
10	9517.20	4164.63	4164.63	1187.94
11	6741.00	2433.42	2433.42	1874.16
TOTA	88395.55	22437.70	33355.44	32602.40

- i) In ordinary soil = $22437.70 + 33355.44 = 55793.14$ Cum.
 ii) In Blast work = 69095.83 Cum.

Assistant Engineer
 Chamba Sub-Division, No. II
 Chamba (H.F.)

Motorable Link road from Rajera (Bhania) Bailly

PROFORMA-VSTATEMENT SHOWING THE DETAILS OF PLACES FOR DISPOSAL OF MUCK / DEBRIS OF ROAD/ CANAL/
RAILWAY LINE TO BE CONSTRUCTED IN CHAMBA DISTRICT OF HP STATEName of work :- Construction of motorable Link road from Rajera (Bhania) Bailly Km. 0/0 to
4/500

S.No	Name of dumping place	Location of dumping place i.e. Village & Khasra No.	Slope of dumping place	Length breadth and area of dumping place (Sqm)	Quantity of Muck debris to be dumped (Cum)	Height of dumping expected in mtrs.	Remark
1	2	3	4	5	6	7	8
1	DS-I	44/2	1:3	110x3.00= 330.00 Sqm. or 0.033 ha	73500.00 Cubic Metre	4.27	Shown as per Plan of muck dumping site
2	DS-II	44/3	1:3	110x3.00= 330.00 Sqm. or 0.033 ha		4.27	
3	DS-III	235/233/42/2	1:3	280x3.00=840.00 Sqm. or 0.084 ha		4.27	

Place : Chamba

Date : 8/6/18

Assistant Engineer,
Chamba Sub Division, No.II
HP PWD Chamba (H.P)

Executive Engineer.
Chamba Division,
HP PWD Chamba (H.P)

Countersigned by :-

Divisional Forest Officer,
Chamba Forest Division,
Chamba
Office seal.

MUCK MANAGEMENT (DUMPING SITES)
DETAIL OF SHOWING THE CAPACITY OF MUCK WILL BE ADJUSTED

Name of work :- Construction of motorable Link road from Rajera (Bhaniya) Bailly KM. 0/0 to 4/500

S.No	RD/ Km.	Name of Dunping Place	Forest area under dumping (In Hactares)	X-section area	Length	Quantity
1	0/100	Dumping site -I	110x3.00= 330.00 Sqm. or 0.033 ha	145.00	110.00	15950.00
2	1/900	Dumping site -II	110x3.00= 330.00 Sqm. or 0.033 ha	145.00	110.00	15950.00
3	3/200	Dumping site -III	280x3.00=840.00 Sqm. or 0.084 ha	160.00	260.00	41600.00
Total						73500.00

Assistant Engineer,
Chamba Sub Division No.II
HP.P.W.D. Chamba (H.P.)

Executive Engineer,
Chamba Division,
HP.P.W.D., Chamba (H.P.)

PURPOSE WISE BREAK UP OF FOREST / NON FOREST AND DUMPING SITE

Name of work :- Construction of motorable Link road from Rajera (Bhaniya) Bailly KM.
0/0 to 4/500

S.No	Component	Forest area required	Non Forest area required	Total area required
(A) LAND REQUIRED FOR ROAD CONSTRUCTION :-				
1	Road	3700x6= 22200.00 Sqm.=2.22 Hectare	800x6= 4800Sqm.= 0.48 Hectare	4500x6=27000.00 Sqm . =2.70 Hectare
(B) LAND REQUIRED FOR DUMPING SITES FOR DISPOSAL OF MUCK :-				
2	Dumping site -I	110x3.00= 330.00 Sqm. or 0.033 ha		1500.00 Sqm= or 0.15 Ha.
	Dumping site -II	110x3.00= 330.00 Sqm. or 0.033 ha		
	Dumping site -III	280x3.00=840.00 Sqm. or 0.084 ha		
	Total (B)	1500.00 Sqm= or 0.15 Ha.		
	G.Total (A+B)	2.37 Hect.	0.48 Hect	2.85 Hect.

Assistant Engineer,
Chamba Sub-Division, No.II
H.P.P.W.D.Chamba (H.F.)

Executive Engineer,
Chamba Division,
H.P.B.W.D.Chamba (H.P.)

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DETAIL OF FOREST LAND UNDER DUMPING

Name of work :- Construction of motorable Link road from Rajera (Bhaniya) Bailly
KM. 0/0 to 4/500

S.No	Location of dumping	RD.	Khasra No.	Status of land
1	Dumping site -I	0/100	44/2	Chargah Billa Darktan
2	Dumping site -II	1/900	44/3	Chargah Billa Darktan
3	Dumping site -III	3/200	235/233/42/2	Chargah Billa Darktan

Assistant Engineer,
Chamba Sub Division No.II
HP PWD, Chamba (H.P.)

Executive Engineer,
Chamba Division
HP PWD, Chamba (H.P.)