MUCK MANAGEMENT PLAN

Full Title of the Project: Construction of Link Road from Sihra to kahvi km 0/0 to 3/330.

File No. : FP/HP/ROAD/31585/2018

Date of Proposal: 12.06.2018

	Total Quantity Of Muck being produced	**12423.41 cum.**
1	Deduction for useful stone as required under the clause of agreement	**2193.41 Cum**
2	Balance quantity of muck =12423.41-2193.41	**10230.00 Cum**
3	Add Qty available on site (With swell factor @40% on 2)	4092.00 Cum
	Total Loose Qty at site= 2+3 (10230.00 +4092.00)	**14322.00 Cum (A)**
	Muck to be used	
4	Muck required for construction of proposed road on the analog of half cutting and half filling @25% of **(A)**	**3580.50 Cum**
5	Muck required for the leveling of proposed road @15% (A)	**2148.30 Cum**
6 (i)	Muck used for Kharonja Soiling and binding material (GSB) @ 6% on 14322.00 Cum	859.32 Cum
(ii)	Muck used for back filling in R/wall @ 6% on 14322.00 cum	859.32 Cum
(iii)	Muck used for berm filling (3.330 Km *3.30*0.05=549.45 Cum)	549.45 Cum
(iv)	Muck used for culvert filing	150.00 Cum
	Total of Sub head 6 i.e. (i +ii +iii + iv)	**2418.09 Cum**
	Loose qty of Sub head 6=2418.09*40% swell factor	**967.24 cum**
	Total	**3385.33 Cum**
	Total muck to be used = 4+5+6	**9114.13 Cum (B)**
	Muck/Debris left at site which required carriage to the proper dumping site duly recognized as per the instruction of forest and Environment Ministry reinforced by various judgment of the apex court Govt.of India i.e.(A-B)	**5207.87 Cum**
	Say	**5207.87 Cum**

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

Executive Engineer,
Division No-I, HP.PWD,
Bilaspur (H.P.)

MANAGEMENT FOR THE MUCK DISPOSAL

Full Title of the Project: Construction of Link Road from Sihra to kahvi km 0/0 to 3/330.
File No. : FP/HP/ROAD/31585/2018
Date of Proposal: 12.06.2018

The muck and debris generated during Construction of Link road from Sihra to Kahvi road Km. 0/0 to 3/330 in District Bilaspur, Himachal Pradesh will be dumped on the site for filing.

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

Executive Engineer,
Division No-I, HP.PWD,
Bilaspur (H.P.)

PROFORMA-111

STATEMENTNAME SHOWING PLACE QUANTITY OF MUCK DEBRIS TO BE DUMPED WITH OTHER DETAIL FOR Construction of Link road from sihra to kahvi km 0/0 to 3/330 IN DISTT.BILASPUR (HP)

S.NO	NAME OF THE COMPONENT FROM WHERE MUCK/DEBERI TO BE PRODUCED	TOTAL QTYS.OF MUCK/DEBERI TO BE PRODUCED (CUM)	QTYS.OF MUCK/DEBERI TO BE UTILIZED LOCALLY (CUM)	QTYS.OF MUCK/DEBERI TO BE DUMPED ON COMPACT BASIS (CUM)	FACTOR OF INCRESE IN VOL FOR DUMPEING
1	Construction of Link road from sihra to kahvi km 0/0 to 3/330 IN DISTT.BILASPUR (HP)	12423.41	7777.20	5207.87	swell factor @ 40 % on PW,JW @ 12962.01

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Sub Division No-II, HP.PWD,
Bilaspur (H.P.)

Executive Engineer,
Division No-I, HP.PWD,
Bilaspur (H.P.)

PROFORMA-1V

NAME OF WORK:-

S.NO	kmS		LENGTH IN MTRs	DISTANCE OF FOREST LAND IN MTRs	TOTAL LENGTH IN KM	WIDTH OF RIGHT OF WAY IN A.V.(mtrs)	AREA OF THE FOREST LAND IN Sqm.	IN KM FOREST LAND	RANDOM IN NON FOREST LAND IN MTRs	TOTAL LENGTH IN SQM.	NAME OF THE VILLAGE FOREST NEARLY MUCK/DEBRIS TO BE PRODUCTED	MUCK/DEBRIS TO BE PRODUCTED	MUCK/DEBRIS TO BE USED LOCALY	MUCK/DEBRIS TO BE DUMPED	REMARKs
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0/0	3/330	3330	2795	3/330	6.00	16770.00	0/0 TO 1/125 & 1/160 TO3/330			12	12423.41	7777.20	5207.87	Muck dumped at dumping site at R/D 1/060 to 1/125 on link road Sihra to kahvi

Assistant Engineer,
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Bilaspur (H.P.)

Executive Engineer,
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Bilaspur (H.P.)

DETAIL OF MEASUREMENTS

NAME OF WORK- Construction of motorable road from Sihra to Kahav. Km. 0/0 to 3/230. (SH:- C/O Created R/wall for dumping site at Km. 1/060-1/125 at Dhamna).

Sr.No.	Description of Items	Calculation	Quantity
1	Earth work in excavation for structure as per drawing and technical specification clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal up to a lead of 50 mtr. Dressing of side sand bottom and backfilling in trenches with excavated suitable material.	1x40x2.70x0.45 2x10.00x2.70x0.45	48.60 24.30 72.90
	Providing and laying of boulder apron laid in wire creates with 4 mm dia GI wire confirming to IS 280 and IS 4826 in 100x100 mm mesh (woven diagonally) including 10% extra for laps & joints laid with stone boulders weighing not less than 25 Kg each as per drawing and technical specifications clause 1301.		
	At Rd. 16/675 to 16/715.		
	Ist Steps	1x15x2.70x1.20x1.20	58.32 M3
	2nd Steps	1x19x2.10x1.20x1.20	57.46 M3
	3rd Steps	1x27x1.50x1.20x1.20	58.32 M3
	4th Steps	1x33x1.20x1.20x1.20	57.02 M3
	Sides		
	Ist Steps	1x2x4.00x2.70x1.20x1.20	31.10 M3
	2nd Steps	1x2x5.00x2.10x1.20x1.20	30.24 M3
	3rd Steps	1x2x7.00x1.50x1.20x1.20	30.24 M3
	4th Steps	1x2x8.00x1.20x1.20x1.20	27.67 M3
		Total:-	350.37 M3

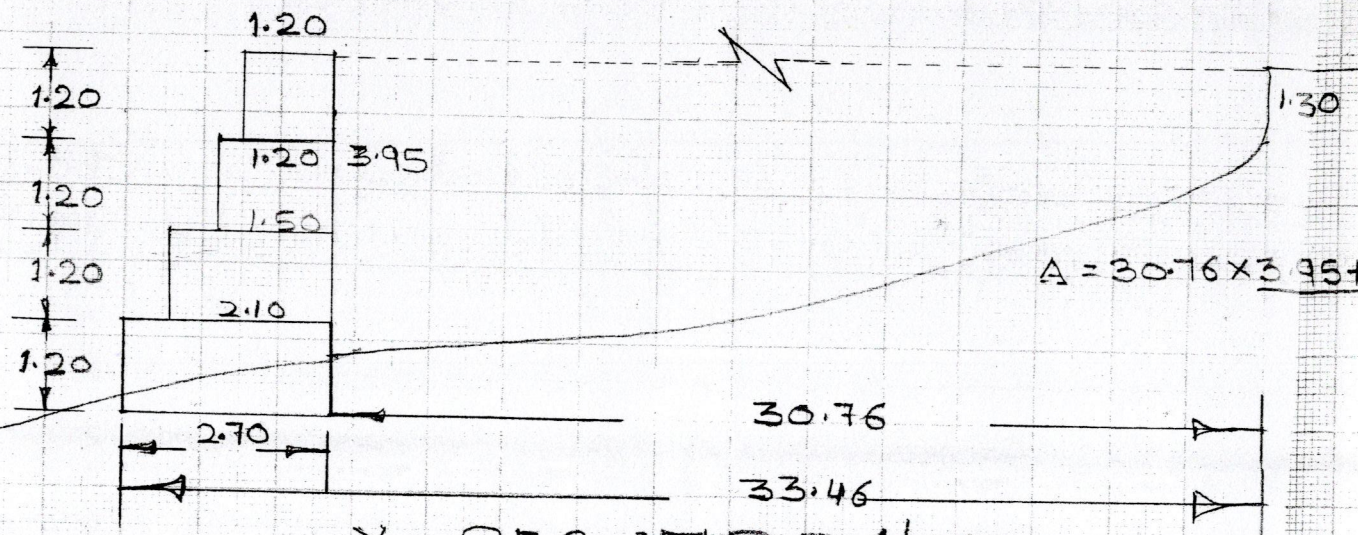
Assistant Engineer,
Sub Division No-II, HPPWD,
Bilaspur (H.P.)

Executive Engineer,
Division No-I, HPPWD,
Bilaspur(H.P.)

(95)

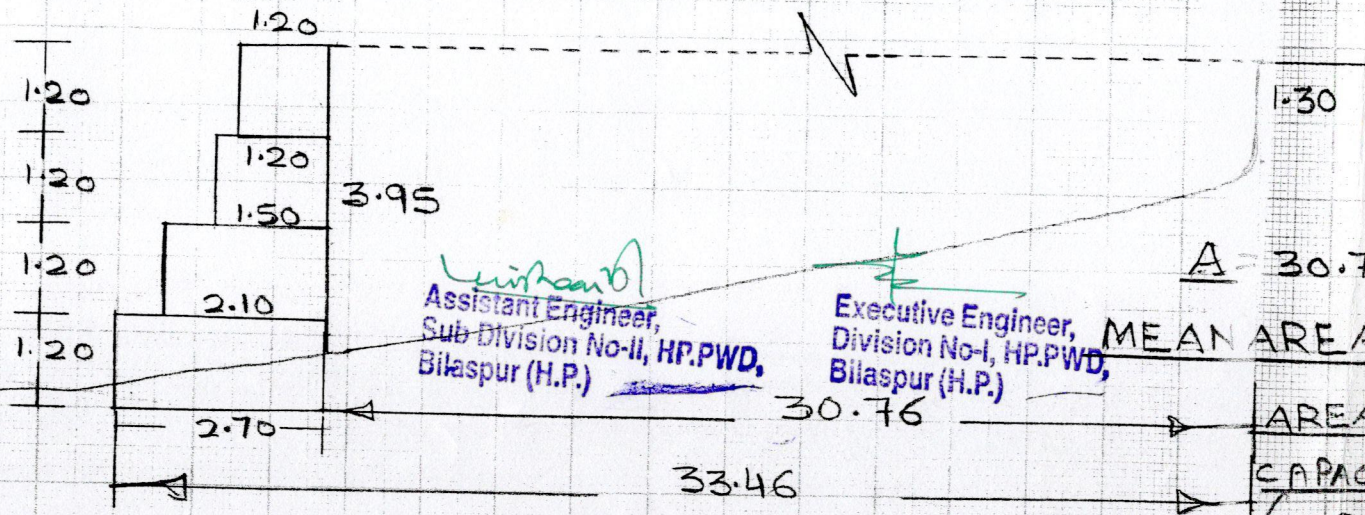
DUMPING SITE AT R.D. 1/060 TO 1/125 AT KH.NO 832/764/1

SCALE = 1:100



$A = 30.76 \times \frac{3.95 + 1.30}{2} = 80.74 M^2$

X- SEC. AT R D 1/060



$A = 30.76 \times \frac{3.95 + 1.30}{2} = 80.74 m^2$

MEAN AREA $= \frac{80.74 + 80.74}{2} = 80.74 m^2$

AREA OF DUMPING = 2175.00 M^2

CAPACITY OF DUMPING = 80.74 × 65 = 5248.1 m^2

(As Per Revenue Record)

Assistant Engineer,
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Executive Engineer,
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Bilaspur (H.P.)

X- SEC. AT R D 1/125

(96)

84

ABSRACT OF COST

Name of work:- Construction of motorable road from Sihra to Kahavi Km. 0/0 to 3/850 (SH:- Providing crate work for dumping site at RD. 1/060 to 1/125 at Dhamna).

Sr.No.	Description of items.	Quantity.	Rate	Unit	Amount
1	2	3	4	5	6
	Earth work in Excavation for structure as per drawing and technical specification clause 305.1 including setting out constructing shoring and bracing, removal of stumps and other deleterious materials and disposal up to a lead of 50 metres, dressing of sides and bottoms and back filling in treanches with excavated suitable material	72.90 Cum	128.15	Cum	9342.00
	Providing and laying of boulder apron laid in wire creates with 4 mm dia GI wire confirmming to IS 280 and IS 4826 in 100x100 mm mesh (woven diagonally) including 10% extra for laps & joints laid with stone boulders weighing not less than 25 Kg each as per drawing and technical specifications clause 1301.	350.37 Sqm	1458.40	Sqm	510980.00

520322.00

Assistant Engineer,
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Bilaspur (H.P.)

Executive Engineer,
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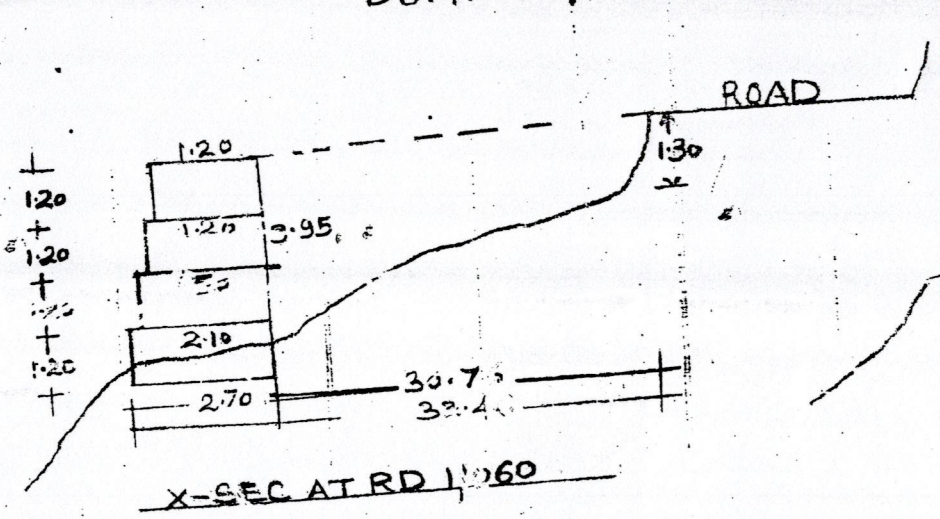
Bilaspur (H.P.)

(97)

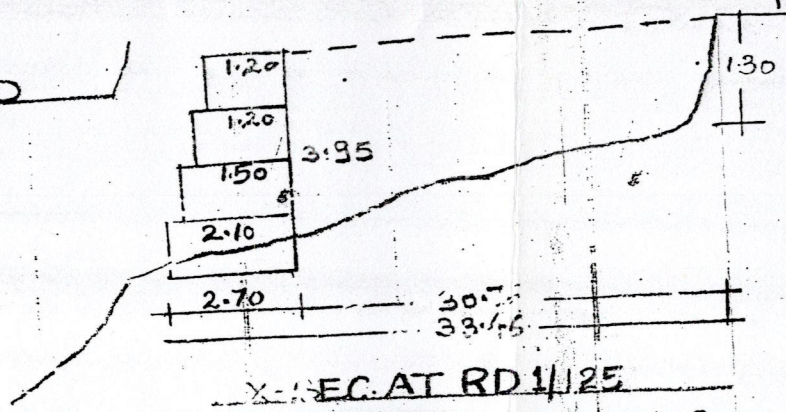
101 92 1

DUMPING SITE AT RD 1/060 - 1/125 AT KH NO 832/764/1 NOT TO SCALE



X-SEC AT RD 1/060

A = $30.76 \times \frac{3.95+1.30}{2}$ = 80.74 m²



X-SEC AT RD 1/125

A = $30.76 \times \frac{3.95+1.30}{2}$ = 80.74 m²

Av. Area = $\frac{80.74+80.74}{2}$ = 80.74 m²

AREA OF DUMPING = 2175.00 m² (As per Revenue Record)

CAPACITY OF DUMPING = 80.74 × 65.00 = 5248.10 m³

Assistant Engineer,
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Bilaspur (H.P.)

Executive Engineer,
Division No-I, HP.PWD,
Bilaspur (H.P.)

DETAIL OF MEASUREMENT

NAME OF WORK:--Construction of Link road from sihra to kahvi km 0/0 to 3/330 (SH:- Formation of cutting)

R/Ds	X.Section Area	M.Area	Length	Qty	Clasification Area			Clasificated Area		
					PW	JW	BW	PW	JW	BW
0	**0.50**	0.000	0	0.00	50	50	0	0.00	0.00	0.00
15	**0.80**	0.650	15	9.75	50	50	0	4.88	4.88	0.00
30	**0.60**	0.700	15	10.50	40	40	20	4.20	4.20	2.10
45	**0.40**	0.500	15	7.50	40	40	20	3.00	3.00	1.50
60	**0.20**	0.300	15	4.50	40	40	20	1.80	1.80	0.90
75	**0.90**	0.550	15	8.25	40	40	20	3.30	3.30	1.65
90	**0.60**	0.750	15	11.25	40	40	20	4.50	4.50	2.25
105	**0.00**	0.300	15	4.50	40	40	20	1.80	1.80	0.90
120	**0.00**	0.000	15	0.00	40	40	20	0.00	0.00	0.00
135	**0.00**	0.000	15	0.00	40	40	20	0.00	0.00	0.00
150	**1.50**	0.750	15	11.25	40	40	20	4.50	4.50	2.25
165	**1.00**	1.250	15	18.75	40	40	20	7.50	7.50	3.75
180	**1.10**	1.050	15	15.75	40	40	20	6.30	6.30	3.15
195	**1.20**	1.150	15	17.25	40	40	20	6.90	6.90	3.45
210	**0.48**	0.840	15	12.60	40	40	20	5.04	5.04	2.52
225	**0.25**	0.365	15	5.48	40	40	20	2.19	2.19	1.10
240	**3.10**	1.675	15	25.13	50	30	20	12.56	7.54	5.03
255	**1.36**	2.230	15	33.45	50	30	20	16.73	10.04	6.69
270	**2.60**	1.980	15	29.70	50	30	20	14.85	8.91	5.94
285	**0.60**	1.600	15	24.00	50	30	20	12.00	7.20	4.80
300	**0.96**	0.780	15	11.70	50	30	20	5.85	3.51	2.34
315	**0.10**	0.530	15	7.95	50	30	20	3.98	2.39	1.59
330	**0.12**	0.110	15	1.65	50	30	20	0.83	0.50	0.33
345	**0.47**	0.295	15	4.43	50	30	20	2.21	1.33	0.89
360	**0.32**	0.395	15	5.93	50	30	20	2.96	1.78	1.19
375	**0.80**	0.560	15	8.40	50	30	20	4.20	2.52	1.68
390	**0.84**	0.820	15	12.30	50	30	20	6.15	3.69	2.46
405	**0.90**	0.870	15	13.05	50	30	20	6.53	3.92	2.61
420	**0.46**	0.680	15	10.20	50	30	20	5.10	3.06	2.04

435	**0.78**	0.620	15	9.30	50	30	20	4.65	2.79	1.86
450	**0.89**	0.835	15	12.53	50	30	20	6.26	3.76	2.51
465	**0.45**	0.670	15	10.05	50	30	20	5.03	3.02	2.01
480	**1.08**	0.765	15	11.48	50	30	20	5.74	3.44	2.30
495	**2.15**	1.615	15	24.23	60	30	10	14.54	7.27	2.42
510	**2.04**	2.095	15	31.43	60	30	10	18.86	9.43	3.14
525	**1.12**	1.580	15	23.70	60	30	10	14.22	7.11	2.37
540	**2.15**	1.635	15	24.53	60	30	10	14.72	7.36	2.45
555	**3.06**	2.605	15	39.08	60	30	10	23.45	11.72	3.91
570	**0.00**	1.530	15	22.95	60	30	10	13.77	6.89	2.30
585	**0.00**	0.000	15	0.00	60	30	10	0.00	0.00	0.00
600	**0.00**	0.000	15	0.00	60	30	10	0.00	0.00	0.00
615	**0.00**	0.000	15	0.00	60	30	10	0.00	0.00	0.00
630	**1.02**	0.510	15	7.65	60	30	10	4.59	2.30	0.77
645	**2.45**	1.735	15	26.03	60	30	10	15.62	7.81	2.60
660	**2.08**	2.265	15	33.98	60	30	10	20.39	10.19	3.40
675	**1.06**	1.569	15	23.54	60	30	10	14.12	7.06	2.35
690	**2.02**	1.539	15	23.09	60	30	10	13.85	6.93	2.31
705	**1.00**	1.510	15	22.65	60	30	10	13.59	6.80	2.27
720	**0.58**	0.790	15	11.85	60	30	10	7.11	3.56	1.19
735	**0.65**	0.615	15	9.23	60	30	10	5.54	2.77	0.92
750	**0.47**	0.560	15	8.40	60	30	10	5.04	2.52	0.84
765	**0.48**	0.475	15	7.13	60	30	10	4.28	2.14	0.71
780	**0.69**	0.585	15	8.78	40	30	30	3.51	2.63	2.63
795	**0.25**	0.470	15	7.05	40	30	30	2.82	2.12	2.12
810	**0.78**	0.515	15	7.73	40	30	30	3.09	2.32	2.32
825	**0.69**	0.735	15	11.03	40	30	30	4.41	3.31	3.31
840	**0.15**	0.420	15	6.30	40	30	30	2.52	1.89	1.89
855	**0.00**	0.075	15	1.13	40	30	30	0.45	0.34	0.34
870	**0.00**	0.000	15	0.00	40	30	30	0.00	0.00	0.00
885	**0.00**	0.000	15	0.00	40	30	30	0.00	0.00	0.00
900	**0.00**	0.000	15	0.00	40	30	30	0.00	0.00	0.00
915	**0.20**	0.100	15	1.50	40	30	30	0.60	0.45	0.45
930	**0.59**	0.395	15	5.93	40	30	30	2.37	1.78	1.78

945	**0.45**	0.520	15	7.80	40	30	30	3.12	2.34	2.34
960	**0.60**	0.525	15	7.88	40	30	30	3.15	2.36	2.36
975	**0.74**	0.670	15	10.05	40	30	30	4.02	3.02	3.02
990	**0.98**	0.860	15	12.90	40	30	30	5.16	3.87	3.87
1005	**0.78**	0.880	15	13.20	40	30	30	5.28	3.96	3.96
1020	**0.59**	0.685	15	10.28	40	30	30	4.11	3.08	3.08
1035	**0.78**	0.685	15	10.28	40	30	30	4.11	3.08	3.08
1050	**0.98**	0.880	15	13.20	40	30	30	5.28	3.96	3.96
1065	**1.51**	1.245	15	18.68	40	30	30	7.47	5.60	5.60
1080	**1.21**	1.360	15	20.40	40	30	30	8.16	6.12	6.12
1095	**1.32**	1.265	15	18.98	40	30	30	7.59	5.69	5.69
1110	**1.69**	1.505	15	22.58	40	30	30	9.03	6.77	6.77
1125	**1.47**	1.580	15	23.70	40	30	30	9.48	7.11	7.11
1140	**1.14**	1.305	15	19.58	40	30	30	7.83	5.87	5.87
1155	**1.05**	1.095	15	16.43	40	30	30	6.57	4.93	4.93
1170	**1.09**	1.070	15	16.05	40	30	30	6.42	4.82	4.82
1185	**1.58**	1.335	15	20.03	40	30	30	8.01	6.01	6.01
1200	**1.60**	1.590	15	23.85	40	30	30	9.54	7.16	7.16
1215	**1.00**	1.300	15	19.50	40	30	30	7.80	5.85	5.85
1230	**1.90**	1.450	15	21.75	40	30	30	8.70	6.53	6.53
1245	**1.48**	1.690	15	25.35	40	30	30	10.14	7.61	7.61
1260	**1.56**	1.520	15	22.80	40	30	30	9.12	6.84	6.84
1275	**0.55**	1.055	15	15.83	40	30	30	6.33	4.75	4.75
1290	**0.76**	0.655	15	9.83	40	30	30	3.93	2.95	2.95
1305	**0.80**	0.780	15	11.70	40	30	30	4.68	3.51	3.51
1320	**0.50**	0.650	15	9.75	40	30	30	3.90	2.93	2.93
1335	**1.30**	0.900	15	13.50	40	30	30	5.40	4.05	4.05
1350	**1.60**	1.450	15	21.75	40	30	30	8.70	6.53	6.53
1365	**1.40**	1.500	15	22.50	40	30	30	9.00	6.75	6.75
1380	**1.60**	1.500	15	22.50	40	30	30	9.00	6.75	6.75
1395	**1.80**	1.700	15	25.50	40	30	30	10.20	7.65	7.65
1410	**1.30**	1.550	15	23.25	40	30	30	9.30	6.98	6.98
1425	**1.40**	1.350	15	20.25	50	40	10	10.13	8.10	2.03
1440	**0.98**	1.190	15	17.85	50	40	10	8.93	7.14	1.79

1455	**2.10**	1.540	15	23.10	50	40	10	11.55	9.24	2.31
1470	**1.00**	1.550	15	23.25	50	40	10	11.63	9.30	2.33
1485	**0.90**	0.950	15	14.25	50	40	10	7.13	5.70	1.43
1500	**1.20**	1.050	15	15.75	50	40	10	7.88	6.30	1.58
1515	**1.30**	1.250	15	18.75	50	40	10	9.38	7.50	1.88
1530	**0.49**	0.895	15	13.43	50	40	10	6.71	5.37	1.34
1545	**0.69**	0.590	15	8.85	50	40	10	4.43	3.54	0.89
1560	**0.48**	0.585	15	8.78	50	40	10	4.39	3.51	0.88
1575	**0.30**	0.390	15	5.85	50	40	10	2.93	2.34	0.59
1590	**0.90**	0.600	15	9.00	50	40	10	4.50	3.60	0.90
1605	**1.50**	1.200	15	18.00	50	40	10	9.00	7.20	1.80
1620	**1.20**	1.350	15	20.25	50	40	10	10.13	8.10	2.03
1635	**0.78**	0.990	15	14.85	50	40	10	7.43	5.94	1.49
1650	**0.90**	0.840	15	12.60	50	40	10	6.30	5.04	1.26
1665	**2.10**	1.500	15	22.50	50	40	10	11.25	9.00	2.25
1680	**2.80**	2.450	15	36.75	50	40	10	18.38	14.70	3.68
1695	**3.59**	3.195	15	47.93	50	40	10	23.96	19.17	4.79
1710	**5.44**	4.515	15	67.73	50	40	10	33.86	27.09	6.77
1725	**6.64**	6.040	15	90.60	50	40	10	45.30	36.24	9.06
1740	**8.78**	7.710	15	115.65	50	40	10	57.83	46.26	11.57
1755	**7.56**	8.170	15	122.55	50	40	10	61.28	49.02	12.26
1770	**9.50**	8.530	15	127.95	50	40	10	63.98	51.18	12.80
1785	**7.56**	8.530	15	127.95	50	40	10	63.98	51.18	12.80
1800	**6.47**	7.015	15	105.23	50	40	10	52.61	42.09	10.52
1815	**6.50**	6.485	15	97.28	50	40	10	48.64	38.91	9.73
1830	**5.89**	6.195	15	92.93	50	40	10	46.46	37.17	9.29
1845	**8.60**	7.245	15	108.68	50	40	10	54.34	43.47	10.87
1860	**7.65**	8.125	15	121.88	50	40	10	60.94	48.75	12.19
1875	**6.28**	6.965	15	104.48	50	40	10	52.24	41.79	10.45
1890	**8.90**	7.590	15	113.85	50	40	10	56.93	45.54	11.39
1905	**7.80**	8.350	15	125.25	50	40	10	62.63	50.10	12.53
1920	**6.88**	7.340	15	110.10	50	40	10	55.05	44.04	11.01
1935	**7.62**	7.250	15	108.75	50	40	10	54.38	43.50	10.88
1950	**8.60**	8.110	15	121.65	50	40	10	60.83	48.66	12.17

1965	**5.55**	7.075	15	106.13	50	40	10	53.06	42.45	10.61
1980	**5.80**	5.675	15	85.13	50	40	10	42.56	34.05	8.51
1995	**4.90**	5.350	15	80.25	50	40	10	40.13	32.10	8.03
2010	**5.74**	5.320	15	79.80	50	40	10	39.90	31.92	7.98
2025	**6.30**	6.020	15	90.30	50	40	10	45.15	36.12	9.03
2040	**7.56**	6.930	15	103.95	50	40	10	51.98	41.58	10.40
2055	**5.40**	6.480	15	97.20	50	40	10	48.60	38.88	9.72
2070	**4.20**	4.800	15	72.00	50	40	10	36.00	28.80	7.20
2085	**6.52**	5.360	15	80.40	50	40	10	40.20	32.16	8.04
2100	**4.85**	5.685	15	85.28	50	40	10	42.64	34.11	8.53
2115	**3.10**	3.975	15	59.63	50	40	10	29.81	23.85	5.96
2130	**3.10**	3.100	15	46.50	40	40	20	18.60	18.60	9.30
2145	**4.25**	3.675	15	55.13	40	40	20	22.05	22.05	11.03
2160	**4.60**	4.425	15	66.38	40	40	20	26.55	26.55	13.28
2175	**5.23**	4.915	15	73.73	40	40	20	29.49	29.49	14.75
2190	**4.36**	4.795	15	71.93	40	40	20	28.77	28.77	14.39
2205	**4.21**	4.285	15	64.28	40	40	20	25.71	25.71	12.86
2220	**4.58**	4.395	15	65.93	40	40	20	26.37	26.37	13.19
2235	**6.33**	5.455	15	81.83	40	40	20	32.73	32.73	16.37
2250	**5.33**	5.830	15	87.45	40	40	20	34.98	34.98	17.49
2265	**4.58**	4.955	15	74.33	40	40	20	29.73	29.73	14.87
2280	**3.10**	3.840	15	57.60	40	40	20	23.04	23.04	11.52
2295	**2.58**	2.840	15	42.60	40	40	20	17.04	17.04	8.52
2310	**2.14**	2.360	15	35.40	40	40	20	14.16	14.16	7.08
2325	**4.66**	3.400	15	51.00	40	40	20	20.40	20.40	10.20
2340	**7.55**	6.105	15	91.58	40	40	20	36.63	36.63	18.32
2355	**5.87**	6.710	15	100.65	40	40	20	40.26	40.26	20.13
2370	**6.15**	6.010	15	90.15	40	40	20	36.06	36.06	18.03
2385	**4.52**	5.335	15	80.03	40	40	20	32.01	32.01	16.01
2400	**7.59**	6.055	15	90.83	40	40	20	36.33	36.33	18.17
2415	**6.00**	6.795	15	101.93	40	40	20	40.77	40.77	20.39
2430	**3.48**	4.740	15	71.10	40	40	20	28.44	28.44	14.22
2445	**4.00**	3.740	15	56.10	40	40	20	22.44	22.44	11.22
2460	**6.00**	5.000	15	75.00	40	40	20	30.00	30.00	15.00

2475	**5.20**	5.600	15	84.00	40	40	20	33.60	33.60	16.80
2490	**4.36**	4.780	15	71.70	40	40	20	28.68	28.68	14.34
2505	**5.50**	4.930	15	73.95	40	40	20	29.58	29.58	14.79
2520	**4.00**	4.750	15	71.25	40	40	20	28.50	28.50	14.25
2535	**3.10**	3.550	15	53.25	40	40	20	21.30	21.30	10.65
2550	**4.89**	3.995	15	59.93	40	40	20	23.97	23.97	11.99
2565	**3.14**	4.015	15	60.23	40	40	20	24.09	24.09	12.05
2580	**6.47**	4.805	15	72.08	40	40	20	28.83	28.83	14.42
2595	**4.20**	5.335	15	80.03	40	40	20	32.01	32.01	16.01
2610	**3.24**	3.720	15	55.80	40	40	20	22.32	22.32	11.16
2625	**7.00**	5.120	15	76.80	40	40	20	30.72	30.72	15.36
2640	**4.89**	5.945	15	89.18	40	40	20	35.67	35.67	17.84
2655	**6.23**	5.560	15	83.40	40	40	20	33.36	33.36	16.68
2670	**8.25**	7.240	15	108.60	40	40	20	43.44	43.44	21.72
2685	**7.56**	7.905	15	118.58	40	40	20	47.43	47.43	23.72
2700	**6.25**	6.905	15	103.58	40	40	20	41.43	41.43	20.72
2715	**7.44**	6.845	15	102.68	40	40	20	41.07	41.07	20.54
2730	**6.20**	6.820	15	102.30	40	40	20	40.92	40.92	20.46
2745	**6.30**	6.250	15	93.75	40	40	20	37.50	37.50	18.75
2760	**5.47**	5.885	15	88.28	40	40	20	35.31	35.31	17.66
2775	**4.99**	5.230	15	78.45	40	40	20	31.38	31.38	15.69
2790	**6.52**	5.755	15	86.33	40	40	20	34.53	34.53	17.27
2805	**6.44**	6.480	15	97.20	40	40	20	38.88	38.88	19.44
2820	**5.90**	6.170	15	92.55	40	40	20	37.02	37.02	18.51
2835	**8.47**	7.185	15	107.78	40	40	20	43.11	43.11	21.56
2850	**9.10**	8.785	15	131.78	40	40	20	52.71	52.71	26.36
2865	**6.45**	7.775	15	116.63	40	40	20	46.65	46.65	23.33
2880	**6.05**	6.250	15	93.75	40	40	20	37.50	37.50	18.75
2895	**6.20**	6.125	15	91.88	40	40	20	36.75	36.75	18.38
2910	**8.70**	7.450	15	111.75	40	40	20	44.70	44.70	22.35
2925	**5.77**	7.235	15	108.53	40	40	20	43.41	43.41	21.71
2940	**6.45**	6.110	15	91.65	40	40	20	36.66	36.66	18.33
2955	**15.36**	10.905	15	163.58	40	40	20	65.43	65.43	32.72
2970	**8.50**	11.930	15	178.95	40	40	20	71.58	71.58	35.79

2985	**7.69**	8.095	15	121.43	40	40	20	48.57	48.57	24.29
3000	**10.25**	8.970	15	134.55	40	40	20	53.82	53.82	26.91
3015	**6.58**	8.415	15	126.23	40	40	20	50.49	50.49	25.25
3030	**7.69**	7.135	15	107.03	40	40	20	42.81	42.81	21.41
3045	**16.20**	11.945	15	179.18	40	40	20	71.67	71.67	35.84
3060	**6.41**	11.305	15	169.58	40	40	20	67.83	67.83	33.92
3075	**6.40**	6.405	15	96.08	40	40	20	38.43	38.43	19.22
3090	**8.40**	7.400	15	111.00	40	40	20	44.40	44.40	22.20
3105	**9.58**	8.990	15	134.85	40	40	20	53.94	53.94	26.97
3120	**6.78**	8.180	15	122.70	40	40	20	49.08	49.08	24.54
3135	**9.87**	8.325	15	124.88	40	40	20	49.95	49.95	24.98
3150	**9.45**	9.660	15	144.90	40	40	20	57.96	57.96	28.98
3165	**7.88**	8.665	15	129.98	40	40	20	51.99	51.99	26.00
3180	**9.80**	8.840	15	132.60	40	40	20	53.04	53.04	26.52
3195	**8.65**	9.225	15	138.38	40	40	20	55.35	55.35	27.68
3210	**7.36**	8.005	15	120.08	40	40	20	48.03	48.03	24.02
3225	**9.45**	8.405	15	126.08	40	40	20	50.43	50.43	25.22
3240	**7.80**	8.625	15	129.38	40	40	20	51.75	51.75	25.88
3255	**6.60**	7.200	15	108.00	40	40	20	43.20	43.20	21.60
3270	**11.58**	9.090	15	136.35	40	40	20	54.54	54.54	27.27
3285	**6.45**	9.015	15	135.23	40	40	20	54.09	54.09	27.05
3300	**11.00**	8.725	15	130.88	40	40	20	52.35	52.35	26.18
3315	**9.10**	10.050	15	150.75	40	40	20	60.30	60.30	30.15
3330	**6.72**	7.910	15	118.65	40	40	20	47.46	47.46	23.73
		TOTAL		**12423.41**	**cum**			**5376.80**	**4853.20**	**2193.41**

Assistant Engineer,
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Bilaspur (H.P.)

Executive Engineer,
Division No-I, HP.PWD,
Bilaspur (H.P.)

ABSTRACT OF COST

Annex (A-2)

SNAME OF WORK:--Construction of Link road from sihra to kahvi km 0/0 to 3/330 (SH:- C/O R/WALL)

S.NO	R/D & kmS		LENGTH (MTRS)	HEIGHT	EARTH WORKs (cum)			C.C.1:6:12			PCC WITH 15 % PLUM (cum)			BOUIDER FILLING			REMARKs
1	2	3	4	5	6			7			8			9			10
1	0/005	0/025	20.00	2.50	0.24	20.00	4.80	0.24	20.00	4.80	2.35	20.00	47.00	1.20	20.00	24.00	
2	0/095	0/125	30.00	2.50	1.4	30.00	31.20	0.24	30.00	7.20	2.35	30.00	70.50	1.14	30.00	34.20	
3	0/250	0/295	45(RHS)	2.50	0.556	45.00	25.02	0.24	45.00	10.80	2.35	45.00	105.75	1.41	45.00	63.45	
4	0/270	0/295	25(LHS)	2.50	0.74	25.00	18.50	0.24	25.00	6.00	2.35	25.00	58.75	1.32	25.00	33.00	
5	0/755	0/805	50.00	4.50	2.99	50.00	149.50	0.43	50.00	21.50	6.56	50.00	328.00	2.08	50.00	104.00	
6	1/805	1/830	25.00	3.50	2.05	25.00	51.25	0.33	25.00	8.25	4.15	25.00	103.75	1.53	25.00	38.25	
7	1/850	1/865	15.00	2.50	0.87	15.00	13.05	0.24	15.00	3.60	2.35	15.00	35.25	1.2	15.00	18.00	
8	1/975	2/055	80.00	3.50	1.50	80.00	120.00	0.33	80.00	26.40	4.15	80.00	332.00	1.41	80.00	112.80	
9	2/070	2/085	15.00	3.50	2.03	15.00	30.45	0.33	15.00	4.95	4.15	15.00	62.25	1.26	15.00	18.90	
10	2/085	2/100	16.00	2.50	0.87	15.00	13.05	0.24	15.00	3.60	2.35	15.00	35.25	0.96	15.00	14.40	
11	2/140	2/160	20.00	3.00	1.37	20.00	27.40	0.28	20.00	5.60	3.15	20.00	63.00	1.02	20.00	20.40	
12	2/215	2/245	30.00	3.50	1.73	30.00	51.90	0.33	30.00	9.90	4.15	30.00	124.50	1.59	30.00	47.70	
13	2/575	2/590	15.00	2.50	1.06	15.00	15.90	0.24	15.00	3.60	2.35	15.00	35.25	1.2	15.00	18.00	
14	2/820	2/845	25.00	3.00	1.56	25.00	39.00	0.28	25.00	7.00	3.15	25.00	78.75	0.93	25.00	23.25	
15	2/865	2/880	15.00	2.50	0.42	15.00	6.30	0.24	15.00	3.60	2.35	15.00	35.25	1.02	15.00	15.30	
16	3/265	3/285	20.00	3.50	1.14	20.00	22.80	0.33	20.00	6.60	4.15	20.00	83.00	1.8	20.00	36.00	
			TOTAL				620.12			133.40			1598.25			621.65	

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100-82

Standered drawing of Retaining wall for hight 2.50 meters to 10.00 meters PCC 1:5:10 with 15% plums

Detail and abstrat of quanity

DRG No. CE (CZ) Mandi -2000-171

Sr. No.	H (m)	b (m)	B (m)	h (m)	T (m)	PCC 1:5:10	PCC 1:6:12
1	2.50	1.19	1.24	0.26	0.60	2.36	0.24
2	3.00	1.39	1.44	0.34	0.60	3.15	0.28
3	3.50	1.63	1.69	0.44	0.60	4.15	0.33
4	4.00	1.88	1.94	0.54	0.60	5.29	0.38
5	4.50	2.12	2.19	0.64	0.60	6.56	0.43
6	5.00	2.37	2.44	0.74	0.60	7.96	0.48
7	5.50	2.61	2.68	0.84	0.60	9.50	0.53
8	6.00	2.86	2.93	0.94	0.60	11.18	0.58
9	6.50	3.11	3.18	1.05	0.60	12.99	0.63
10	7.00	3.35	3.43	1.15	0.60	14.93	0.68
11	7.50	3.60	3.67	1.25	0.60	17.01	0.73
12	8.00	3.84	3.92	1.35	0.60	19.23	0.78
13	8.50	4.09	4.17	1.45	0.60	21.58	0.83
14	9.00	4.34	4.41	1.55	0.60	24.07	0.87
15	9.50	4.58	4.66	1.65	0.60	26.69	0.92
16	10.00	4.83	4.91	1.75	0.60	29.45	0.97

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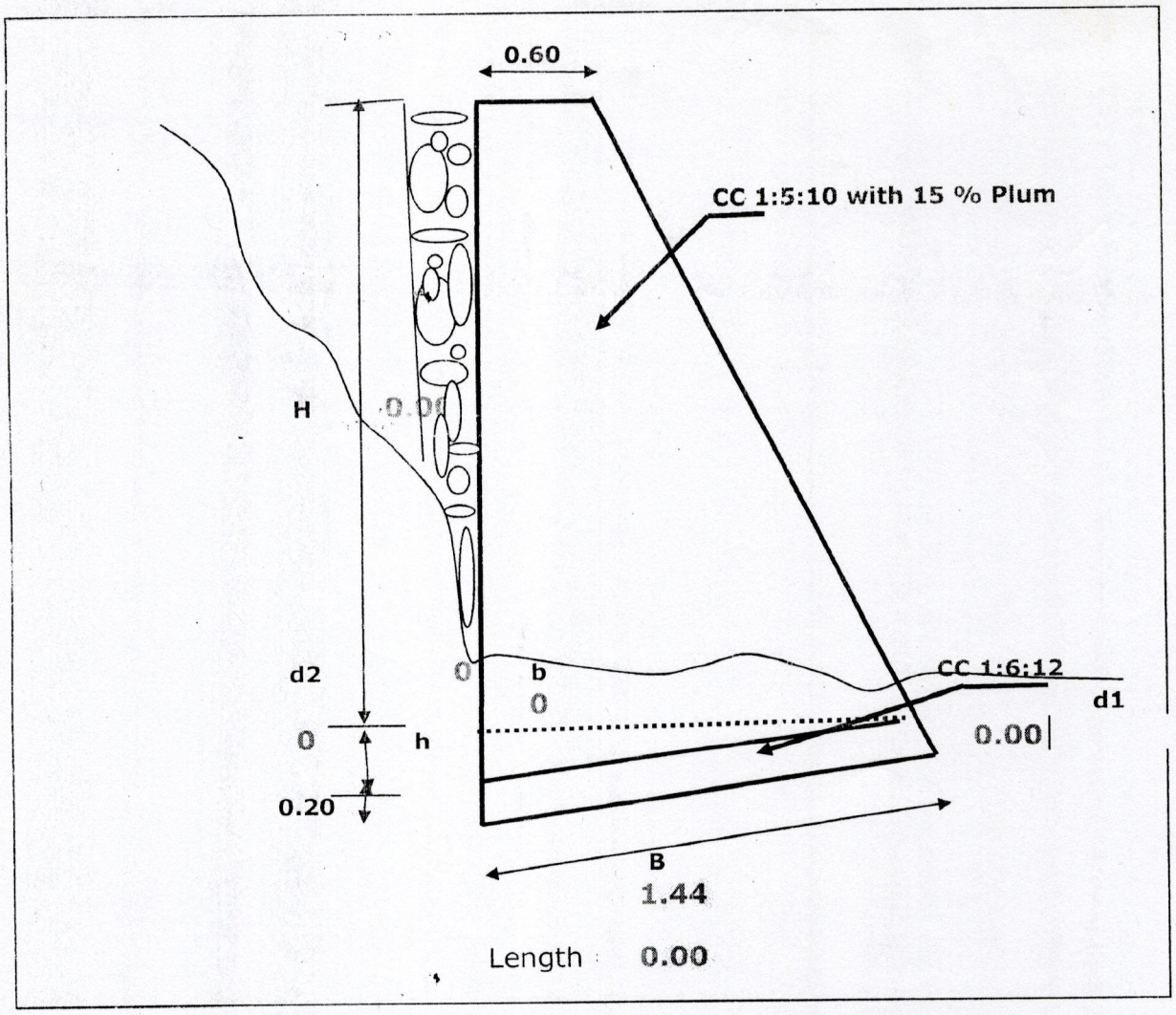

NAME OF WORK :-C/O Link road from Sihra to kahvi Km 0/0 to 3/330 (C/O R/Wall)

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Bilaspur (H.P.)