CHAPTER NO. 6

EARTH WORK

Notes:-

- (i) Converting lift into horizontal lead :-- For converting lift into horizontal lead, the lift upto 3.60 metres will be multiplied by 10 and from 3.60 metres to 6.0 metres, it will be squared and multiplied by 3.3 and beyond 6.0 metres it will be multiplied by 20. No cross leads what-so-ever shall be measured and paid for.
- (ii) Rehandling of earth work and gravel work :-- The rates of rehandling of recently deposited earth work and gravel work after excavation will be 20 percent less on excavation rates. Earth work deposited before monsoon season which has had a full monsoon on it, will be considered as a normal earth work for excavation.
- (iii) Measurement of lift:-- The lift shall be measured from the centre of gravity of the excavated earth to that of placed earth. This shall constitute the mean lift for that section. When earth has to be carried over spoil bank and dumped beyond it, the mean lift would be the difference in levels between the centre of gravity of the excavated earth and top of the spoil bank omitting the dowel.
- (iv) Rates for additional lead have been given in slabs for 7.50 metres each of additional lead. If the lead exceeds a slab by 1.50 metres or so, full payment for 7.50 metres lead will be made.
- (v) These rates are for building works and upto quantity of 100 cum only for other works. For other works quantity beyond 100 cum, the rates shall be payable as per the Item by mechanical means Item No. 6.19.
- (vi) The rates for carriage of materials manually upto 0.50 km and by mechanical means for every km lead, have been given. The actual lead is to be paid if the lead is in fraction, the rate is to be worked out by interpolation.

Sr. No.	Description		Unit	Plains		Sub- Mountainous	
				Labour	Throug	Labour	Throug
				Rate	h Rate	Rate	h Rate
1		2	3	4	5	6	7
6.1	Earth	work of silt clearance of channels and drains :					
	(a)	Kassi work undressed involving an average					
		horizontal throw upto 2.0 metres and average					
		vertical lift upto 0.5 metre.	cum	28.17	28.17	30.99	30.99
	(b)	Basket work with combined lead upto 7.50					
	` ´	metres undressed.	cum	39.76	39.76	43.74	43.74
	(c)	Dressing for sub item (a) and (b) supra.	cum	2.54	2.54	2.79	2.79
	(d)	Extra for every 7.50 metres additional lead.	cum	1.32	1.32	1.45	1.45
		· · · · · · · · · · · · · · · · · · ·					
Note:	-	No extra allowance of wetness, slush or humus					
		dal dal are payable for item No. 6.1.					
6.2	Earth	work excavation in ordinary soil, exclusive of					
	compe	ensation of earth :					

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No.	Sr.		Description		Plains		Sub-		
(a) Kassi work undressed involving an average horizontal throw upto 2.0 metres and an average horizontal throw upto 2.0 metres and an average retrical lift upto 0.5 metre including breaking of clods.				l			Mountainous		
(a) Kassi work undressed involving an average horizontal throw upto 2.0 metres and an average vertical lift upto 0.5 metre including breaking of clods.					Labour	Throug	Labour	Throug	
(a) Kassi work undressed involving an average horizontal throw upto 2.0 metres and an average vertical lift upto 0.5 metre including breaking of clods. (b) Earth work undressed with a combined lead upto 15 metres including breaking of clods. (c)(i) Extra for every 7.50 metres additional lead beyond 15 metres but upto 300 metres. (ci) (ii) Extra for every 7.50 metres additional lead beyond 300 metres but upto 300 metres. (iii) Extra for every 7.50 metres additional lead beyond 300 metres but upto to 500 metre. Note: For leads beyond 500 metres earth work shall be payable at carriage rates for sand, bajri and ballast etc. given in the chapter No. 5 item No. 5.2 and loading, unloading as per chapter No. 4. Except those provided under item No. 6.2 (f) and (g). (d) Wet earth work : (i) Extra for wet earth work from bottom of excavation upto level of sub soil water. (iii) Extra for wet earth work from bottom of excavation upto level of sub soil water. (iii) Extra for wet earth work from depth above 30 cm of sub soil water level. (e) Hardness (i) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. (iii) Extra for D.B.D. above 1.8 gm/c.c. cum 19.89 19.89 21.87 (f) Extra for pudding work.					Rate	h Rate	Rate	h Rate	
horizontal throw upto 2.0 metres and an average vertical lift upto 0.5 metre including breaking of clods. (b) Earth work undressed with a combined lead upto 15 metres including breaking of clods. (c)(i) Extra for every 7.50 metres additional lead beyond 15 metres but upto 300 metres. (ii) Extra for every 7.50 metres additional lead beyond 300 metres but upto 300 metres. (iii) Extra for every 7.50 metres additional lead beyond 300 metres but upto to 500 metre. Note:- For leads beyond 500 metres earth work shall be payable at carriage rates for sand, bajri and ballast etc. given in the chapter No. 5 item No. 5.2 and loading, unloading as per chapter No. 4. Except those provided under item No. 6.2 (f) and (g). (d) Wet earth work: (ii) Extra for wet earth work from bottom of excavation upto level of sub soil water. (iii) Extra for wet earth work from level of sub soil water upto 30 cm above. (iii) Extra for wet earth work for depth above 30 cm of sub soil water level. (e) Hardness (i) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. (iii) Extra for pudding work. cum 13.25 13.25 14.58	1			3	4	5	6	7	
average vertical lift upto 0.5 metre including breaking of clods. (b) Earth work undressed with a combined lead upto 15 metres including breaking of clods. (c)(i) Extra for every 7.50 metres additional lead beyond 15 metres but upto 300 metres. (c)(i) Extra for every 7.50 metres additional lead beyond 15 metres but upto 300 metres. (ii) Extra for every 7.50 metres additional lead beyond 300 metres but upto 1500 metres. (iii) Extra for every 7.50 metres additional lead beyond 300 metres but upto 1500 metres. (iv) Extra for every 7.50 metres additional lead beyond 300 metres but upto 1500 metres. (iv) Extra for every 7.50 metres additional lead beyond 300 metres but upto 1500 metres. (iv) Extra for leads beyond 500 metres earth work shall be payable at carriage rates for sand, bajir and ballast etc. given in the chapter No. 5 item No. 5.2 and loading, unloading as per chapter No. 4. Except those provided under item No. 6.2 (f) and (g). (d) Wet earth work : (i) Extra for wet earth work from bottom of excavation upto level of sub soil water. (ii) Extra for wet earth work from level of sub soil water upto 30 cm above. (iii) Extra for wet earth work for depth above 30 cm of sub soil water level. (ii) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. (iii) Extra for D.B.D. above 1.8 gm/c.c. (iii) Extra for pudding work.		(a)							
breaking of clods.									
(b) Earth work undressed with a combined lead upto 15 metres including breaking of clods. (c)(i) Extra for every 7.50 metres additional lead beyond 15 metres but upto 300 metres. (ii) Extra for every 7.50 metres additional lead beyond 300 metres but upto 500 metre. (iii) Extra for every 7.50 metres additional lead beyond 300 metres but upto to 500 metre. (iv) For leads beyond 500 metres earth work shall be payable at carriage rates for sand, bajri and ballast etc. given in the chapter No. 5 item No. 5.2 and loading, unloading as per chapter No. 4. Except those provided under item No. 6.2 (f) and (g). (d) Wet earth work:— (i) Extra for wet earth work from bottom of excavation upto level of sub soil water. (ii) Extra for wet earth work from level of sub soil water upto 30 cm above. (iii) Extra for wet earth work for depth above 30 cm of sub soil water level. (e) Hardness (i) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. (iii) Extra for D.B.D. above 1.8 gm/c.c. (iv) Extra for pudding work.			1 -		00.47	00.47		00.00	
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upto 15 metres including breaking of clods. cum 39.77 39.77 43.75 (c)(i) Extra for every 7.50 metres additional lead beyond 15 metres but upto 300 metres. (ii) Extra for every 7.50 metres additional lead beyond 300 metres but upto to 500 metre. cum 1.66 1.66 1.83 (iii) Extra for every 7.50 metres additional lead beyond 300 metres but upto to 500 metre. For leads beyond 500 metres earth work shall be payable at carriage rates for sand, barji and ballast etc. given in the chapter No. 5 item No. 5.2 and loading, unloading as per chapter No. 4. Except those provided under item No. 6.2 (f) and (g). (d) Wet earth work:— (i) Extra for wet earth work from bottom of excavation upto level of sub soil water. (ii) Extra for wet earth work from level of sub soil water upto 30 cm above. (iii) Extra for wet earth work for depth above 30 cm of sub soil water level. (e) Hardness (i) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. cum 13.25 13.25 14.58 (iii) Extra for D.B.D. above 1.8 gm/c.c. cum 19.89 19.89 21.87		(h)	Farth work undressed with a combined lead						
(c)(i) Extra for every 7.50 metres additional lead beyond 15 metres but upto 300 metres. (ii) Extra for every 7.50 metres additional lead beyond 300 metres but upto to 500 metre. (iii) Extra for every 7.50 metres additional lead beyond 300 metres but upto to 500 metre. Note: For leads beyond 500 metres earth work shall be payable at carriage rates for sand, bajri and ballast etc. given in the chapter No. 5.12 and loading, unloading as per chapter No. 4. Except those provided under item No. 6.2 (f) and (g). (d) Wet earth work: (i) Extra for wet earth work from bottom of excavation upto level of sub soil water. (ii) Extra for wet earth work from level of sub soil water upto 30 cm above. (iii) Extra for wet earth work for depth above 30 cm of sub soil water level. (e) Hardness (i) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. (iii) Extra for pudding work. (iii) Extra for pudding work. (iviii) Extra for pudding work.		(5)			00.77	20.77	40.75	40.75	
beyond 15 metres but upto 300 metres. Cum			apro to mono molading producing or close.	cum	39.77	39.77	43.75	43.75	
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beyond 300 metres but upto to 500 metre. cum 1.33 1.33 1.46			asystia to menes autupis ees menes.	Cum	1.00	1.00	1.03	1.83	
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(i) Extra for wet earth work from bottom of excavation upto level of sub soil water. (ii) Extra for wet earth work from level of sub soil water upto 30 cm above. (iii) Extra for wet earth work for depth above 30 cm of sub soil water level. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. (iii) Extra for D.B.D. above 1.8 gm/c.c. (iv) Extra for pudding work. (viii) Extra for pudding work. (viii) Extra for pudding work. (viii) Extra for D.B.D. above 1.8 gm/c.c. (viii) Extra for pudding work.									
Extra for wet earth work from level of sub soil water upto 30 cm above. cum 4.23 4.23 4.65		(d)	Wet earth work :						
Extra for wet earth work from level of sub soil water upto 30 cm above. cum 4.23 4.23 4.65		/i\	Extra for wet earth work from bottom of		I				
(ii) Extra for wet earth work from level of sub soil water upto 30 cm above. (iii) Extra for wet earth work for depth above 30 cm of sub soil water level. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (iii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. (iii) Extra for D.B.D. above 1.8 gm/c.c. (iv) Extra for D.B.D. above 1.8 gm/c.c.		(1)			7.04	7 75	7.04	7.75	
water upto 30 cm above. cum 4.23 4.23 4.65			oxodiation apto lovel of odd con vator.	Cum	7.04	7.75	7.04	7.75	
water upto 30 cm above. cum 4.23 4.23 4.65		(ii)	Extra for wet earth work from level of sub soil						
(iii) Extra for wet earth work for depth above 30 cm of sub soil water level. (e) Hardness (i) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. (ii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. (iii) Extra for D.B.D. above 1.8 gm/c.c. (iii) Extra for pudding work. (iii) Extra for pudding work.		('')		cum	4 23	4 23	4 65	4.65	
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(e) Hardness (i) Extra for hard soil with D.B.D. (Dry Bulk Density) from 1.6 to 1.7 gm/c.c. cum 6.63 6.63 7.29 (ii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. cum 13.25 13.25 14.58 (iii) Extra for D.B.D. above 1.8 gm/c.c. cum 19.89 19.89 21.87 (f) Extra for pudding work. cum 33.14 33.14 36.45		()	· ·	cum	2.82	2.82	3.10	3.10	
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Density) from 1.6 to 1.7 gm/c.c. cum 6.63 6.63 7.29		(i)	Extra for hard soil with D.B.D. (Dry Bulk						
(ii) Extra for hard soil with D.B.D. (Dry Bulk Density) exceeding 1.7 but upto 1.8 gm/c.c. cum 13.25 13.25 14.58 (iii) Extra for D.B.D. above 1.8 gm/c.c. cum 19.89 19.89 21.87 (f) Extra for pudding work. cum 33.14 33.14 36.45		(-)	\ ` •	cum	6 63	6.63	7 29	7.29	
Density) exceeding 1.7 but upto 1.8 gm/c.c. cum 13.25 13.25 14.58 (iii) Extra for D.B.D. above 1.8 gm/c.c. cum 19.89 19.89 21.87 (f) Extra for pudding work. cum 33.14 33.14 36.45			377	Odili	0.00	0.00	1.20	7.20	
(iii) Extra for D.B.D. above 1.8 gm/c.c. cum 19.89 19.89 21.87 (f) Extra for pudding work. cum 33.14 33.14 36.45		(ii)							
(f) Extra for pudding work. cum 33.14 33.14 36.45			Density) exceeding 1.7 but upto 1.8 gm/c.c.	cum	13.25	13.25	14.58	14.58	
(f) Extra for pudding work. cum 33.14 33.14 36.45		()	E 112 (11 D D D 11 11 11 11 11 11 11 11 11 11 1						
		(111)	Extra for D.B.D. above 1.8 gm/c.c.	cum	19.89	19.89	21.87	21.87	
		(f)	Extra for pudding work.	cum	33.14	33.14	36.45	36.45	
I (a) II aman action I		/ \	Commontion						
(g) Compaction :		(g)	Compaction :						
(i) Extra for laying earth/fly ash as per		(i)	Extra for laying earth/fly ash as per						
specifications for compaction in 20 cm layers		(-)	, , ,						
and dressing but excluding cost of rolling. cum 4.33 4.33 4.76			1 '	cum	4 33	4 33	4 76	4.76	
	\vdash		<u> </u>	- Julii	1.00	1.00			

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Sr.		Description	Unit	Plains		Sub-		
No.		Description	Oilit	Fia	1113	Mount		
				Labour	Throug		Throug	
				Rate	h Rate	Rate	h Rate	
1		2	3	4	5	6	7	
	(ii)	Extra for watering the earth/fly ash laid in 20 cm layers as per specifications for compaction.						
			cum	4.15	4.15	4.57	4.57	
	(iii)	Extra for rolling to specifications.	cum	36.50	36.50	40.15	40.15	
	(h)	Admixture of shingle or kankar						
	(i)	Extra for admixture of shingle or kankar						
	(1)	exceeding 10% but upto 20%.	cum	8.28	8.28	9.11	9.11	
	(ii)	Extra for admixture of shingle or kankar						
		exceeding 20% but upto 30%.	cum	13.25	13.25	14.58	14.58	
	(iii)	Extra for admixture of shingle or kankar exceeding 30% but upto 40%.	cum	21.54	21.54	23.69	23.69	
Note:	-	For admixture above 40% rates for gravel work excavation shall apply						
	(j)	Extra for slush.	cum	24.00	24.00	24.00	24.00	
	(k)	Extra for daldal.	cum	40.00	40.00	40.00	40.00	
6.3	Dress	ing of earth work :						
	(i)	New work or remodeling work.	sqm	0.50	0.50	0.50	0.50	
	(ii)	Repair work.	sqm	0.70	0.70	0.70	0.70	
	(iii)	Sand only.	sqm	0.35	0.35	0.35	0.35	
6.4	Extra land.	for Compensation for earth taken from private	cum	25.00	25.00	25.00	25.00	
6.5	cohes occas earth	work containing Gravel (in loose from in non ive binding meterial) work in excavation with ional use of picks exclusive of compensation of undressed with combined lead upto 15 metres ercentage of gravel or Kankar						
	(a)	Exceeding 40% but upto 60%.	cum	60.24	60.24	66.26	66.26	
	(b)	Exceeding 60% but upto 80%.	cum	70.51	70.51	77.56	77.56	
	(c)	Exceeding 80% but upto 100%.	cum	77.06	77.06	84.77	84.77	
	(d)	Extra for every 7.5 metres additional lead beyond 15 m.	cum	2.04	2.04	2.24	2.24	
	(e)	Extra for wet earth work containing gravel above sub soil water level	cum	6.02	6.02	6.63	6.63	
	(f)	Extra for earth work containing gravel under standing water.	cum	9.04	9.04	9.94	9.94	

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Sr.	Description		Unit	Plains		Sub-	
No.	2555					Mountainous	
110.				Labour	Throug	Labour	
				Rate	h Rate	Rate	h Rate
1		2	3	4	5	6	7
	(g)	Extra for earth work containing gravel under					-
	(3)	flowing water	cum	15.06	15.06	16.57	16.57
	(h)	Extra for dressing earth work containing gravel					
			cum	0.70	0.70	0.70	0.70
6.6		work in excavation in foundations, trenches etc.					
		kinds of soil where pick jumper work is not					
		ed and not exceeding 2.0 metres depth including					
		ng of bottom and sides of trenches, stacking the					
	excava	ated soil clear from the edge of excavation					
			cum	66.28	66.28	72.91	72.91
0.7	E						
6.7		work in excavation of foundations of bridges					
		ts, building including handling of materials with					
		ned lead of 15 metres dressing of bed and sides ng the excavated soil clear from the edge of					
		ation and subsequent filling around:					
	excave	ation and subsequent filling around					
	(a)	For ordinary gravel soil involving pick work.	cum	95.53	95.53	105.08	105.08
	(b)	For semi conglomerate or soil of nature of pick					
		jumper.	cum	133.22	133.22	146.54	146.54
	(c)	For hard clayey soil or hard conglomerate or					
		semi rocky type of the nature of pick jumper			400.00		40004
		with occasional blasting.	cum	163.92	163.92	180.31	180.31
	(d)	Extra for wet work above sub soil water level.	cum	9.55	9.55	10.51	10.51
			Culli	9.55	9.55	10.51	10.51
	(e)	Extra for earth work under standing water.	cum	14.33	14.33	15.76	15.76
	(0)	Extra for earth work ander standing water.	Juli	1 1.00	1 1.00	10.10	10110
	(f)	Extra for earth work under flowing water.	cum	23.88	23.88	26.27	26.27
	(1)						
	(g)	Extra for every 7.5 metre additional lead beyond					
	(0)	15 m.	cum	2.04	2.04	2.04	2.04
6.8	Earth f	filling :					
	(a)(i)	Earth filling under floors with surplus ordinary					
		soil or soil containing gravel or kankar upto					
		40% excavated from foundation and taken only					
		from outside the building plinth in 15 cm layers					
		including ramming, watering and consolidating					
		lead upto 30 metres	cum	23.72	23.72	26.09	26.09
	/110	le a sur i si iii ii					
	(ii)	Earth filling under floors with surplus soil					
		containing more than 40% gravel or kankar					
		excavated from foundation and taken only from					
		outside the building plinth in 15 cm layers					
		including ramming, watering and consolidating	01:	42.25	40.05	46 E0	46 E0
		lead upto 30 metres.	cum	42.35	42.35	46.59	46.59

Sr.	Description		Unit	Plains		Sub-	
No.		P. C.					ainous
				Labour	Throug		Throug
				Rate	h Rate	Rate	h Rate
1		2	3	4	5	6	7
,	(b)(i)	Earth work (exclusive of compensation for earth) in excavation in ordinary soil or soil containing gravel or kankar upto 40 % and filling in 15 cm layers in foundation and plinth including ramming, watering and consolidating under floors with earth brought from a distance not exceeding 30 metres	cum	52.77		58.05	
_			Cuiii	32.11	32.11	30.03	30.03
	(ii)	Earth work in excavation in soil containing more than 40% gravel or kankar (exclusive of compensation for earth) and filling in 15 cm layers in foundation and plinth including ramming, watering and consolidating under floors with earth brought from a distance not exceeding 30 metres	cum	73.07	73.07	80.38	80.38
	(a) (i)	Fouth filling under floors with avenue and non-		1	I		
	(c) (i)	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% taking outside the premises in 15 cm layers incluidng ramming, watering and consolidated lead upto 1000 metres.	cum	163.24	163.24	179.56	179.56
	(ii)	Earth filling under floors with surplus soil containing more than 40% taking outside the premises in 15 cm layers including ramming watering and consolidated lead upto 1000 metres	cum	181.88	181.88	200.07	200.07
	(d)	Extra for additional lead above 30 metres.	cum	As per rate under item No. 6.2 (c)			As per rate under item No. 6.2 (c)
	(-)	Developed of all the frame would side to			1		
<u> </u>	(e)	Removal of slips from road side to :			<u> </u>		
	(i)	Out side road boundary into depressions with combined lead of 15 metres inclusive of <i>cost</i> of explosive, compressed air and T&P.	cum	Rate of item No. 7.1 to 7.10 to be paid according to type of work after Reducin g the rate by 10%			Rate of item No. 7.1 to 7.10 to be paid accordi ng to type of work after Reducin g the rate by 10%

Sr.		Description	Unit	Plains		Sub-	
No.		·				Mount	ainous
				Labour	Throug	Labour	Throug
				Rate	h Rate	Rate	h Rate
1	('')	2	3	4	5	6	7
	(ii)	Extra for additional 7.5 metres lead above 15 metres.	cum	2.10	2.10	2.10	2.10
6.9	Earth	work over roofs :					
	(a)	Earth work over roofs of one storey building with good earth free of any admixture of foreign matter including breaking of clods, ramming, watering, dressing and horizontal lead upto 30 metres.	cum	86.16	86.16	94.78	94.78
	(b)	Extra for additional lead above 30 metres.					
				As per			As per
				rate			rate
				under			under
				item No.			item No.
			cum	6.2 (c)			6.2 (c)
	(c)	Extra for every additional storey.	cum	5.30	5.30	5.83	5.83
6.10	Earth	work undressed by boats including hiring of					
6.10	boats						
	(a)	Digging and loading in boats within 15 metres					
	(α)	lead.	cum	39.77	39.77	43.75	43.75
	(b)	Carriage by boats upto 300 metres.	cum	0.63	0.63	0.69	0.69
	(c)	Extra for distance beyond 300 metres but upto 750 metres (per 30 metres).	cum	0.70	0.70	0.77	0.77
Note :	-	For lead beyond 750 metres the rates under item No. 6.2 (c) will be applicable.					
	(d)	Unloading earth from boats.	cum	21.54	21.54	23.69	23.69
6.11	Earth	work undressed by tramway or rail :					
	(a)	Digging and loading into trucks within 15 metres lead.	cum	39.77	39.77	43.75	43.75
	(b)	Hand shunting of N.G. tip wagons per 30 metres.	cum	2.65	2.65	2.92	2.92
	(c)	Unloading earth from tip wagon and clearing within 3.0 metres from rail.	cum	10.60	10.60	11.66	11.66
	(d)	Unloading earth from B.G. Trucks clearing 1.5 metres from rail.	cum	22.16	22.16	24.38	24.38
	(e)	Unloading earth from B.G. Trucks & spreading 4.5 metres from rail.	cum	29.46	29.46	32.41	32.41
	(f)	Unloading from B.G. Trucks & spreading upto 30 metres from rail.	cum	36.45	36.45	40.10	40.10

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Sr.		Description	Unit	Plains		Sub-	
No.		Bosonphion	O			Mountainous	
				Labour	Throug	Labour	
				Rate	h Rate	Rate	h Rate
1		2	3	4	5	6	7
6.12		ing of dowels in addition to payment for dressed	m	1.69	1.69	1.86	1.86
	earth	WOFK.	111	1.09	1.09	1.00	1.00
6.13	Resto	ring boundary road drains.	m	1.91	1.91	2.10	2.10
6.14		g new boundary road including levelling and					
	dressi	ng 3.0 metres to 5.0 metres wide :-					
	(-)	In complete the address of		4.26	4.26	4.00	4.00
	(a)	In unploughed land.	m	4.36	4.36	4.80	4.80
	(b)	In ploughed land.	m	9.17	9.17	10.09	10.09
	(6)	in ploagnou lana.		0	0	10.00	10.00
Note :-	The r	ates for item No. 6.13 are to be paid only in					
	reache	es where no earth work for boundary roads is					
	paid fo	or.					
6.15	(a)	Covering boundary road with 7.5 cm deep					
		sarkanda or jungle upto 300 metres lead					
		including cutting and supply of sarkanda or					
		jungle.	m	5.13	5.13	5.64	5.64
	(b)	Covering boundary road with 7.5 cm deep					
		sarkanda or jungle lead beyond 300 metres to					
		1000 metres including cutting and supply of					
		Sarkanda or jungle.	m	10.01	10.01	11.01	11.01
	(0)	Extra carriage of Sarkanda :					
	(c)	Extra carriage of Sarkanda :					
	(i)	2nd km	m	4.93	4.93	5.42	5.42
	()			1.00	1.00	0.12	0.12
	(ii)	3rd km	m	4.51	4.51	4.96	4.96
				1.01	1.01	1.00	
	(iii)	4th km	m	4.13	4.13	4.54	4.54
			- 111	7.10	4.10	7.57	7.54
	(iv)	5th km	m	3.75	3.75	4.13	4.13
	, ,			0.70	0.70	7.10	7.10
	(v)	6th km	m	3.29	3.29	3.62	3.62
			111	3.23	3.29	3.02	3.02
	(vi)	7th km					
	(**/		m	2.82	2.82	3.10	3.10
	(, .::)	Cuba a quant lem					
	(vii)	Subsequent km		0.05	0.05	0.50	0.50
			m	2.35	2.35	2.59	2.59
6.16	Ploud	hing or levelling of borrow pits.					
0.10	l lougi	illing of levelling of borrow pits.	Acre	1549.28	1549.28	1704.21	1704.21
6.17	Berm	trimming both sides :					
	(a)	Channels up to 1.0 metre depth.	km	1515.81	1515.81	1667.39	1667.39

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Sr.		Description	Unit	Pla	ins	Sub-	
No.				Labour Throug		Mountainous Labour Throug	
				Rate	h Rate	Rate	h Rate
1		2	3	4	5	6	7
	(b)	Channels exceeding 1.0 metre but up to 1.5 metres depth.	km	2219.75	2219.75	2441.73	2441.73
	(c)	Channels exceeding 1.5 metres but up to 2.5 metres depth.	km	3381.15	3381.15	3719.27	3719.27
6.18	Dag –	Belling :					
	(a)	Single kassi stroke minimum 7.5 cm depth.	km	292.84	292.84	322.12	322.12
	(b)	Double kassi stroke 'V' shaped minimum 10 cm depth.	km	582.86	582.86	641.15	641.15
	(c)	Double kassi stroke 'V' shaped minimum 15 cm depth.	km	769.64	769.64	846.60	846.60
6.19	100 r mecha earth metres bottom	ation in Soil (any type) with Dozer with lead up to metres Excavation for road way in soil by anical means including cutting and pushing the to site of embankment up to a distance of 100 s (average lead 50 metres), including trimming and side slopes in accordance with ements of lines, grades and cross sections.		147.26	149.43	161.99	164.16
6.20	Excavation in Ordinary Rock with Dozer with lead up to 100 metres Excavation for roadway in ordinary rock by deploying a dozer, 80 HP including cutting and pushing the cut earth to site of embankment up to a distance of 100 metres (average lead 50 metres)			147.26	150.51	162.26	165.51
6.21	Excavation in Soil (any type) using Hydraulic Excavator CK 90 and Tippers with Disposal up to 450 metres. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead up to 450m						
			cum	42.13	43.22	46.13	47.22
6.22		levelling of land up to 300 mm with tractor & Levelling Machine complete in all respect.	acre	3761.40	3761.40	4137.40	4137.40

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