

CHAPTER NO. 7

ROCK CUTTING

Notes :-

(I) Converting lift into horizontal lead :-

For converting lift into horizontal lead the lift up to 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 lead what-so-ever

(ii) Measurement of lift :-

The lift shall be measured from the centre of gravity of the excavated rock to that of placed rock. This shall constitute the mean lift for that section. When rock has to be carried over a spoil bank and dumped beyond it, the mean lift would be the difference in levels between the centre of gravity of the excavated rock and top of the spoil bank omitting the dowel.

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
	Excavation including handling of materials within 15 metres inclusive of cost of explosives, dressing, compressed air and T & P.					
7.1	Pick work	cum	81.62	81.62	89.78	89.78
7.2	Pick and jumper work.	cum	132.54	132.54	145.79	145.79
7.3	Jumper work.	cum	146.04	146.04	160.64	160.64
7.4	Jumper with occasional blasting.	cum	223.14	223.14	245.45	245.45
7.5	Blasting ordinary Rock.	cum	270.50	270.50	297.55	297.55
7.6	Blasting hard Rock.	cum	400.35	400.35	440.39	440.39
7.7	Blasting conglomerate mass.	cum	485.97	485.97	534.57	534.57
7.8	Blasting conglomerate trenches.	cum	641.70	641.70	705.87	705.87
7.9	Through cut Rock excavation.	cum				10 percent extra over above rates
7.10	Extra for every 7.5 metres additional lead.	cum	1.90	1.90	1.90	1.90