BY MECHANICAL TRANSPORT

A : CALCULATION OF TRIP RATE OF 1210/42 SE MODEL TATA TRUCK
(Including loading, unloading and stacking etc.)

Sl No	Lead in Kms (L)	Average Speed Km/hr (S)	No of trips per day	Kms done per day (K)	Total Cost per day of vehicle & labour	Cost per Trip (6 / 4)	Increase in Cost per Km over previous 1 Km	Average Cost per additional 1.0Km after 1st 5Kms
1	2	3	4	5	6	7	8	9
1	1	16.00	7.11	20.22	8660.00	1218.00		
2	2	17.00	6.48	31.92	8660.00	1336.42		
3	3	17.50	5.96	41.76	8660.00	1453.02		
4	4	18.00	5.54	50.32	8660.00	1563.18		
5	5	18.50	5.19	57.90	8660.00	1668.59		
6	6	19.00	4.90	64.80	8660.00	1767.35	98.76	
7	7	19.50	4.66	71.24	8660.00	1858.37	91.02	Beyond 5km
8	8	20.00	4.44	77.04	8660.00	1950.45	92.08	upto 20km
9	9	20.50	4.26	82.68	8660.00	2032.86	82.41	72.04
10	10	21.00	4.10	88.00	8660.00	2112.20	79.34	
11	11	21.50	3.95	92.90	8660.00	2192.41	80.21	
12	12	22.00	3.83	97.92	8660.00	2261.10	68.69	
13	13	22.50	3.71	102.46	8660.00	2334.23	73.13	
14	14	23.00	3.61	107.08	8660.00	2398.89	64.66	
15	15	23.50	3.51	111.30	8660.00	2467.24	68.35	
16	16	24.00	3.43	115.76	8660.00	2524.78	57.54	
17	17	24.50	3.35	119.90	8660.00	2585.07	60.29	
18	18	25.00	3.28	124.08	8660.00	2640.24	55.17	
19	19	25.50	3.21	127.98	8660.00	2697.82	57.58	
20	20	26.00	3.15	132.00	8660.00	2749.21	51.39	

NOTES :-

1. No. of trips per day of 8 hours N = 8 / (2L / S + 1),
   where L = Lead in Kms, S = Speed in Km per hour,
   1 (one) hour is allowed for loading and unloading time.
2. Kms done per day of 8 hours K = 2NL + 6,
   where N = No. of trips per day, L = Lead in Kms, allowance of 6 (six) Kms is made for movement of truck from parking place to duty and back.
3. Hire rate of truck includes all POL, etc. and it is as per Analysis of Rate 2006 = Rs.7,160.00
4. Unskilled labour (Mazdoor) = 6 nos is included for loading, unloading and stacking etc. and wages per day per head is Rs.250.00
5. Total Cost per day of vehicle & labour
   = 7160.00 + 250.00 × 6 = Rs.8,660.00