

Machinery Use Rate 2016-17

Only for Mechanical Organisation

Period- 1/07/2016 to 30/06/2017

Name of Equipment	A	B	C	Total A+B+C
1	2	3	4	5
1) SCRAPER				
1.1) Terex TS-24 Scraper	10.00	1943.00	4228.00	6181.00
1.2) CAT 627 B Motorised Scraper	10.00	1744.00	3397.00	5151.00
1.3) Terex TS-14 B Scraper	10.00	1205.00	2590.00	3805.00
1.4) Euclid Motorised Scraper	10.00	758.00	2215.00	2983.00
1.5) John Deer J D 762 B Motorised Scraper	91.00	934.00	1967.00	2992.00
2) EXCAVATOR				
2.1) Poclain CK 300 Excavator	215.00	1287.00	2921.00	4423.00
2.2) Demag H51 Excavator	10.00	1228.00	2712.00	3950.00
2.3) L&T Poclain HC 300 Excavator	10.00	1164.00	2711.00	3885.00
2.4) Poclain CK 90 Excavator	10.00	408.00	1690.00	2108.00
2.5) Atlas E 1602 (Backhoe)	10.00	246.00	1432.00	1688.00
2.6) Poclain LC 80 Excavator	10.00	295.00	1474.00	1779.00
2.7) Tata Hitachi EX 100 Excavator	170.00	435.00	1302.00	1907.00
2.8) JD 550B Backhoe Excavator	90.00	229.00	1395.00	1714.00
2.9) JD Wheel Tr(2130) backhoe	10.00	435.00	675.00	1120.00
2.10) JCB JS 80	119.00	146.00	988.00	1253.00
2.11) Tata Hitachi EX 200	191.00	222.00	1532.00	1945.00

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Name of Equipment	A	B	C	Total A +B+C
1	2	3	4	5
2.12) Tata Hitachi EX 200 with Rock Breaker Attachment	239.00	277.00	1742.00	2258.00
2.13) Tata Hitachi EX 200 with Slope Compactor Attachment	236.00	275.00	1742.00	2253.00
2.14) Tata Hitachi EX 70	109.00	126.00	918.00	1153.00
2.15) TATA EX 350	338.00	592.00	2188.00	3118.00
2.16) JCB JS 140 (2008-09)	172.00	210.00	1210.00	1592.00
2.17) JCB JS 140 with Slope Compactor Attachment	222.00	272.00	1355.00	1849.00
2.18) L&T CK72	167.00	205.00	1139.00	1511.00
2.19) Tata Hitachi Zaxis120H (2012)	220.00	122.00	1134.00	1476.00
2.20) BEML BE 200 (2012)	217.00	140.00	1575.00	1932.00
2.21) BEML BE 71	110.00	70.00	989.00	1169.00
2.22) Terex 72-21 Backhoe	26.00	240.00	1374.00	1640.00
2.23) Tata Hitachi zaxis 50	133.00	80.00	779.00	992.00
2.24) BEML BE 75 (2014/15)	135.00	75.00	917.00	1127.00
2.25) Tata Hitachi Zaxis 120H (2014)	220.00	122.00	1134.00	1476.00
2.26) BEML BE200 (2014)	218.00	134.00	1577.00	1929.00
2.27) JCB JS 81 (2015)	131.00	73.00	989.00	1193.00

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Name of Equipment 1	A 2	B 3	C 4	Total A+B+C 5
2.28) JCB JS 81 (2016)	131.00	73.00	989.00	1193.00
2.29) JCB JS 140 (2016)	193.00	107.00	1118.00	1418.00
2.30) Tata Hitachi 120H (2016)	220.00	122.00	1134.00	1476.00
2.31) BEML BE 75 (2016)	135.00	75.00	917.00	1127.00
2.32) Hyundai R-80-7 (2016)	137.00	76.00	989.00	1202.00
2.33) Hyundai R-210 (2016)	249.00	138.00	1497.00	1884.00
2.34) JCB JS 205 (2016)	256.00	142.00	1424.00	1822.00
2.35) Kobelco SK 140 HDLC-8 (2016)	270.00	150.00	1061.00	1481.00
2.36) Tata Hitachi ZX 220LCM (2016)	349.00	194.00	1424.00	1967.00
3) WHEEL LOADER				
3.1) Terex 72-21 Wheel Loader	10.00	554.00	1766.00	2330.00
3.2) Tata Wheel Loader	143.00	233.00	1446.00	1822.00
3.3) Fiat Allis 745 C wheel Loader	10.00	843.00	2267.00	3120.00
3.4) Caterpillar 966 D wheel loader	10.00	720.00	2027.00	2757.00
3.5) Caterpillar 930 wheel loader	35.00	446.00	1732.00	2213.00
3.6) Escort JCB- 3C wheel loader	40.00	385.00	1095.00	1520.00
3.7) BEML BL 9 H	116.00	140.00	1233.00	1489.00

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Name of Equipment 1	A 2	B 3	C 4	Total A+B+C 5
3.8) Case 770T with backhoe (For backhoe operation) (2016)	128.00	143.00	878.00	1149.00
3.9) Case 770T with backhoe (For loader operation)(2016)	128.00	143.00	1095.00	1366.00
3.10) Mahindra Earthmaster -SX with backhoe (2016) (For backhoe operation)	113.00	125.00	878.00	1116.00
3.11) Mahindra Earthmaster -SX with backhoe (2016) (For loader operation)	113.00	125.00	1095.00	1333.00

Note : When loader is utilised for backhoe & loader both or combined operation, then rate of loader will be charged.

4) CRAWLER LOADER

4.1) Caterpillar 977-L	29.00	415.00	2224.00	2668.00
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5) CRAWLER TRACTOR

5.1) Komatsu D-355 A-3 Crawler tractor	10.00	1199.00	3642.00	4851.00
5.2) BEML D-355 A-3 Crawler tractor	135.00	1295.00	3642.00	5072.00
5.3) BEML D-155 A-1 Crawler tractor	10.00	1277.00	3081.00	4368.00
5.4) CAT D-9-H	10.00	1532.00	3642.00	5184.00
5.5) CAT D-8-K Crawler tractor	10.00	1470.00	3065.00	4545.00
5.6) CAT D-8-H Crawler tractor	10.00	1224.00	2836.00	4070.00
5.7) CAT D-7-G Dozer	10.00	814.00	2274.00	3098.00
5.8) Bharat D-80-A12	10.00	729.00	2139.00	2878.00
5.9) JD 550-B Dozer	10.00	412.00	1156.00	1578.00

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Name of Equipment	A	B	C	Total A+B+C
1	2	3	4	5
5.10) Cat D-4-D Dozer	10.00	276.00	1290.00	1576.00
5.11) Cat D-4-E Dozer	10.00	427.00	1213.00	1650.00
5.12) Cat D-3-B Dozer	10.00	275.00	1156.00	1441.00
5.13) Cat D-3-79-U Dozer	10.00	231.00	1088.00	1329.00
5.14)Shantui SD-16 Dozer	471.00	1319.00	1655.00	3445.00
5.15)Shantui SD-13 Dozer	337.00	942.00	1453.00	2732.00
5.16) BEML BD 50 Dozer (2016)	647.00	719.00	1123.00	2489.00
5.17) BEML BD 80 Dozer (2016)	722.00	1019.00	1743.00	3484.00
6) DUMPER				
6.1) WABCO-35 Dumper	10.00	783.00	2793.00	3586.00
6.2) BHARAT-35 Ton Haulpack Dumper	99.00	912.00	2453.00	3464.00
6.3) Terex R-25-H4TD	65.00	680.00	2251.00	2996.00
6.4) BHARAT-25 Ton Haulpack Dumper	10.00	800.00	2453.00	3263.00
6.5) A.L.Hippo ALH 1/5	10.00	455.00	1864.00	2329.00
6.6) A.L.Beaver	12.00	159.00	1398.00	1569.00
7) MOTOR GRADER				
7.1)Komatsu GD-605-A-3	87.00	611.00	1335.00	2033.00
7.2) BEML Grader 605-R-1	10.00	665.00	1335.00	2010.00

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Name of Equipment	A	B	C	Total A+B+C
1	2	3	4	5
8) VIBRATORY COMPACTOR				
8.1) Dynapack CA 51	10.00	1074.00	1774.00	2858.00
8.2) Aveling Barford Vib. Comp	10.00	591.00	1233.00	1834.00
8.3) L&T Sismopactor TT 900	107.00	826.00	1308.00	2241.00
8.4) Sismopactor 850-S	55.00	498.00	1368.00	1921.00
9) DIESEL ROAD ROLLER				
9.1) DRR 8/10 Ton	11.00	146.00	534.00	691.00
10) TRANSPORTERS				
10.1) 60 T (Mack) (per hr)	10.00	308.00	1574.00	1892.00
10.2) 40 Ton (Mack/scamell) (per hr)	10.00	286.00	1515.00	1811.00
10.3) 30 Ton (AL Hippo/ERF)	8.00	225.00	1387.00	1620.00
10.4) 20 Ton (AL Beaver/Mack)	5.00	195.00	1330.00	1530.00
10.5) 11 Ton AL Semigama (per KM)	1.00	11.00	61.00	73.00
10.6) Tata Prima LX 4928 - 49T (2016)	235.00	228.00	1554.00	2017.00
10.7) Mahindra Transporter 35 T (per hr) (2016)	135.00	132.00	1191.00	1458.00
10.8) Tata Truck - Long chassis - 31T Cap (per hr) (2016)	114.00	111.00	1191.00	1416.00
10.9) Mahindra Truxo 25T Cap. (per hr) (2016)	88.00	86.00	1047.00	1221.00

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Name of Equipment 1	A 2	B 3	C 4	Total A+B+C 5
11) TIPPER				
11.1) 7.5 Ton Cap. (per KM)	2.50	13.00	46.60	62.10
11.2) 7.5 Ton Cap. (per Hr)	30.00	156.00	559.00	745.00
11.3) 10 Ton Cap. (per KM)	4.50	9.80	50.00	64.30
11.4) 10 Ton Cap. (per Hr)	54.00	118.00	600.00	772.00
11.5) TATA SK 1613/36 Scoop type (per km) (2014)	6.60	7.00	86.60	100.00
11.6) TATA SK 1613/36 Scoop type (per hr.) (2014)	79.00	84.00	1039.00	1202.00
11.7) TATA SK 1613/42 Box type (per km) (2014)	6.40	6.80	86.60	100.00
11.8) TATA SK 1613/42 Box type (per hr.)(2014)	77.00	81.00	1039.00	1197.00
11.9) AL ALCTTP 1616il (per km)	6.60	7.00	96.90	111.00
11.10) AL ALCTTP 1616il (per hr.)	79.00	84.00	1163.00	1326.00
11.11) TATA LPK 2518 BS III (per km)	10.40	11.00	104.50	126.00
11.12) TATA LPK 2518 BS III (per hr.)	125.00	132.00	1254.00	1511.00
11.13) Tata Tippers SK 1613/36 Box type (per km) (2016)	7.00	7.00	73.00	87.00
11.14) Tata Tippers SK 1613/36 Box type (per hr) (2016)	84.00	84.00	876.00	1044.00
12) Truck/Tanker/Van				
12.1) Truck 7.5 Ton Cap. (per KM)	1.00	11.00	45.00	57.00

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Name of Equipment	A	B	C	Total A+B+C
1	2	3	4	5
12.2) WATER TANKER 7000/9000 lit. mounted onTata 1210/Al Chassis (Per Hr.)	5.00	118.00	554.00	677.00
12.3) School Bus 39/49 seater mounted on 1210/AL Chassis(per Km)	1.00	11.00	45.00	57.00
12.4) Mahindra Bolero camper (2012)	3.00	3.00	16.00	22.00
12.5) Mahindra Max Pick up (2012)	2.50	3.00	16.00	21.50
12.6) TATA 407 (2012)	3.00	3.00	17.00	23.00
12.7) Mahindra Bolero camper (per km) (2016)	3.00	3.00	16.00	22.00
12.8) Tata Xenon Utility (per km) (2016)	4.00	4.00	18.00	26.00
12.9) TATA 407 (per km) (2016)	3.00	3.00	17.00	23.00
13) CRANES				
13.1) VOLTAS OMEGA-35	190.00	400.00	1705.00	2295.00
13.2) Coles Endurance 30 T	131.00	476.00	1705.00	2312.00
13.3) COLES HYDRA 830- 30T	165.00	634.00	1470.00	2269.00
13.4) MARSHALL DEMAG 30T	182.00	391.00	1699.00	2272.00
13.5) COLES 1510 (S)15.85 T	31.00	248.00	843.00	1122.00
13.6) COLES MOBILE ANEAS 12.5 T	13.00	251.00	836.00	1100.00
13.7) ESCORT MOC -8E	18.00	82.00	590.00	690.00

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Name of Equipment 1	A 2	B 3	C 4	Total A+B+C 5
13.8) ESCORT MOBILE 8 T	58.00	117.00	590.00	765.00
13.9) ESCORT MOC 5T	22.00	65.00	562.00	649.00
13.10) ESCORT MOC 3 T	10.00	72.00	530.00	612.00
13.11) JD Wheel Tractor Crane	52.00	135.00	487.00	674.00
13.12) Usha Atlas DC-6	18.00	70.00	470.00	558.00
14) DIESEL WELDING PLANT				
14.1) DIESEL WELDING PLANT 30HP	3.00	36.00	353.00	392.00
15) AIR COMPRESSOR				
15.1) 510 Cfm. Elect.	4.00	95.00	600.00	699.00
15.2) 400 Cfm	10.00	99.00	963.00	1072.00
15.3) 260 / 250 Cfm	6.00	46.00	679.00	731.00
15.4) 280 cfm	6.00	46.00	679.00	731.00
15.5) 210 Cfm	4.00	45.00	678.00	727.00
15.6) 175 Cfm	3.00	34.00	504.00	541.00
16) GENERATING SET				
16.1) 125 to 135 KVA	5.00	77.00	1054.00	1136.00
16.2) 100 KVA	4.00	58.00	950.00	1012.00
16.3) 41 to 60 KVA	2.00	32.00	662.00	696.00
16.4) 31 to 40 KVA	2.00	39.00	513.00	554.00
16.5) 21 to 30 KVA	2.00	31.00	381.00	414.00

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16.6) 10 to 20 KVA	1.00	28.00	293.00	322.00
16.7) 6 to 7.5 KVA	1.00	15.00	230.00	246.00
16.8) 5 KVA	1.00	12.00	164.00	177.00
17) PUMPING SET (DIESEL & ELECTRICAL)				
17.1) 75 HP	3.00	35.00	409.00	447.00
17.2) 50 to 60 HP	2.00	34.00	397.00	433.00
17.3) 30 to 40 HP	2.00	31.00	303.00	336.00
17.4) 20 to 29 HP	1.00	25.00	257.00	283.00
17.5) 10 to 19 HP	1.00	21.00	202.00	224.00
17.6) 5 to 9 HP	1.00	12.00	161.00	174.00
17.7) 3 HP	1.00	8.00	98.00	107.00
17.8) 2 HP	1.00	8.00	88.00	97.00

Note :- Rate for 2 to 75 HP pumping set (Diesel & Electrical) is the rate for total HP of pump. Hence pump should be used of total HP & the same rate should be sanctioned or charged.

(For example: For 20 HP , 4 pumps of 5 HP or 2 pumps of 10 HP should not be used. Because it costs more debit on project & if used rate of total HP should be charged.)

18) BORING MACHINERY (RATE IN Rs/Meter)

18.1) Over Burden by Diamond Drilling Machine	10.00	98.00	870.00	978.00
18.2) Quartzite by Diamond Drilling Machine with NX BitCore size 54mm (2 1/8 inch)	16.00	594.00	3918.00	4528.00
18.3) Quartzite by Diamond Drilling Machine with BX Bit Core size 41.3mm (1 5/8 inch)	10.00	449.00	2938.00	3397.00
18.4) Quartzite by Diamond Drilling Machine with AX Bit Core size 30.2mm (1 3/16 inch)	8.00	296.00	1980.00	2284.00

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18.5) Other Rock With Diamond Drill with NX bit Machine (0 to 50 Meters) Core Size 54 mm (2 1/8 inch)	15.00	249.00	1936.00	2200.00
18.6) Sample Cores 18"(45.7 cm), 24" (60.9 cm), 36" (91.4cm) Dia in masonry / Concrete upto 0.9 meter				
18"	0.00	2559.00	5156.00	7715.00
24"	0.00	3792.00	7143.00	10935.00
36"	0.00	5053.00	9531.00	14584.00
19) SPECIAL EQUIPMENT OF P.W.S. DEPTT.				
19.1) Bronto Sky Lift Bridge Inspection Unit	360	816.00	1986.00	3162.00