

## Excavation

### Capacity Utilisation(as per mines capacity set on 01/04/14)

**2014-15**

Month	BOCP			JOCP			AREA		
	Capacity	Achievement	% Capacity Utilization	Capacity	Achievement	% Capacity Utilization	Capacity	Achievement	% Capacity Utilization
APRIL	0.7197	0.3970	55.17	0.0884	0.0833	94.27	0.8081	0.4804	59.44
MAY	0.7197	0.4222	58.66	0.0884	0.0806	91.15	0.8081	0.5028	62.22
JUNE	0.7197	0.3815	53.01	0.0884	0.1071	121.17	0.8081	0.4886	60.46
JULY	0.7197	0.3799	52.78	0.0884	0.1302	147.25	0.8081	0.5100	63.11
AUGUST	0.7197	0.5142	71.45	0.0884	0.1426	161.31	0.8081	0.6568	81.28
SEPTEMBER	0.7197	0.5632	78.25	0.0884	0.1219	137.91	0.8081	0.6851	84.77
OCTOBER	0.7197	0.5637	78.32	0.0884	0.1358	153.63	0.8081	0.6995	86.56
NOVEMBER	0.7197	0.5265	73.16	0.0884	0.1446	163.63	0.8081	0.6712	83.05
DECEMBER	0.7197	0.5506	76.49	0.0884	0.1450	164.03	0.8081	0.6956	86.07
JANUARY	0.7197	0.4811	66.85	0.0884	0.1308	147.98	0.8081	0.6119	75.72
FEBRUARY	0.7197	0.4626	64.28	0.0884	0.1437	162.50	0.8081	0.6063	75.02
MARCH	0.7197	0.4589	63.76	0.0884	0.1371	155.12	0.8081	0.5960	73.75
<b>Progressive</b>	<b>8.64</b>	<b>5.7015</b>	<b>66.01</b>	<b>1.06</b>	<b>1.5027</b>	<b>141.66</b>	<b>9.70</b>	<b>7.2043</b>	<b>74.29</b>

All figures in M cum

### Capacity Utilization Comparison(AS PER CAPACITY SET BY CMPDI)

**2014-15**

MONTH	BOCP			JOCP			AREA		
	2013-14	2014-15	GROWTH	2013-14	2014-15	GROWTH	2013-14	2014-15	GROWTH
APRIL	61.49	55.17	-10.28	67.95	94.27	38.72	62.70	59.44	-5.20
MAY	69.50	58.66	-15.59	68.00	91.15	34.03	69.22	62.22	-10.12
JUNE	64.57	53.01	-17.91	62.80	121.17	92.95	64.24	60.46	-5.88
JULY	53.68	52.78	-1.68	62.43	147.25	135.85	55.32	63.11	14.09
AUGUST	50.56	71.45	41.31	55.45	161.31	190.90	51.48	81.28	57.89
SEPTEMBER	53.61	78.25	45.97	57.30	137.91	140.67	54.30	84.77	56.12
OCTOBER	52.48	78.32	49.25	50.93	153.63	201.67	52.19	86.56	65.86
NOVEMBER	56.05	73.16	30.53	56.60	163.63	189.08	56.15	83.05	47.91
DECEMBER	60.60	76.49	26.22	50.77	164.03	223.11	58.76	86.07	46.48
JANUARY	55.74	66.85	19.93	63.09	147.98	134.55	57.12	75.72	32.57
FEBRUARY	55.55	64.28	15.71	48.06	162.50	238.13	54.15	75.02	38.56
MARCH	59.22	63.76	7.68	62.61	155.12	147.76	59.85	73.75	23.23
<b>Progressive</b>	<b>57.75</b>	<b>66.01</b>	<b>14.31</b>	<b>58.83</b>	<b>141.66</b>	<b>140.80</b>	<b>57.96</b>	<b>74.29</b>	<b>28.17</b>

## Block-II OCP

<b>Mines Capacity set by CMPDI as on 01/04/14</b>			
<b>Mine factor: 0.597</b>			
<b>Excavator capacity</b>			
<b>Equipment</b>	<b>no on roll</b>	<b>Annual cap in M cum</b>	<b>Total cap in M cum</b>
P&H 1900 AL	5	1.07	5.37
BE195 shovel	1	1.07	1.07
CK300(E),B/H	1	0.39	0.39
CK300(D),B/H	2	0.43	0.86
EKG,5.0	2	0.51	1.03
EX1200	2	0.76	1.53
<b>TOTAL</b>			<b>10.25</b>
Dragline	1	1.92	1.92
<b>Total mine excavation capacity</b>			<b>12.17</b>

<b>Transport capacity</b>			
<b>Equipment</b>	<b>no on roll</b>	<b>Annual cap in M cum</b>	<b>Total cap in M cum</b>
85T Dumper	40	0.127785	5.111
60T Dumper	12	0.090201	1.082
35T Dumper	10	0.052617	0.526
Total mine transport capacity			6.72
By critical path method the mine capacity(sh/du)			6.72
Add capacity of dragline			1.920
<b>Total mine capacity</b>			<b>8.64</b>

**Jamunia OCP**

<b>Mines Capacity set by CMPDI as on 01/04/14</b>			
<b>Mine factor: 0.774</b>			
<b>Excavator capacity</b>			
<b>Equipment</b>	<b>no on roll</b>	<b>Annual cap in M cum</b>	<b>Total cap in M cum</b>
EX300	0.5	0.14	0.07
EKG,5.0	0	0.6656	0.0000
EX1200	1	0.9907	0.9907
TOTAL			1.0604
<b>Total mine excavation capacity</b>			<b>1.0604</b>

<b>Transport capacity</b>			
<b>Equipment</b>	<b>no on roll</b>	<b>Annual cap in M cum</b>	<b>Total cap in M cum</b>
85T Dumper	3	0.26384	0.792
60T Dumper	5	0.18624	0.931
35T Dumper	2	0.10864	0.217
Total mine transport capacity			1.940
By critical path method the mine capacity(sh/du)			1.06
<b>Total mine capacity</b>			<b>1.06</b>

**COMPARISON OF %AVAILABILITY & UTILISATION**

MONTH	MC TYPE	PROJ	2013-14		2014-15		GROWTH	
			% AV	% UT	% AV	% UT	% AV	% UT
<b>TILL MAR</b>	<b>DRAGLINE</b>	<b>BOCP</b>	<b>72.95</b>	<b>48.81</b>	<b>74.87</b>	<b>57.46</b>	<b>2.62</b>	<b>17.72</b>
TILL MAR	SHOVEL	BOCP	58.56	37.37	71.76	47.36	22.54	26.74
TILL MAR	SHOVEL	JOCP	77.21	43.60	86.85	60.23	12.49	38.13
<b>TILL MAR</b>	<b>SHOVEL</b>	<b>AREA</b>	<b>62.57</b>	<b>38.71</b>	<b>74.61</b>	<b>49.79</b>	<b>19.24</b>	<b>28.63</b>
TILL MAR	DUMPER	BOCP	61.13	24.08	75.58	25.31	23.63	5.12
TILL MAR	DUMPER	JOCP	71.97	38.75	83.03	50.79	15.37	31.10
<b>TILL MAR</b>	<b>DUMPER</b>	<b>AREA</b>	<b>62.83</b>	<b>26.37</b>	<b>76.74</b>	<b>29.29</b>	<b>22.14</b>	<b>11.07</b>
TILL MAR	DOZER	BOCP	59.57	19.59	62.46	21.27	4.84	8.59
TILL MAR	DOZER	JOCP	58.76	15.73	71.21	17.21	21.18	9.40
<b>TILL MAR</b>	<b>DOZER</b>	<b>AREA</b>	<b>59.32</b>	<b>18.39</b>	<b>64.83</b>	<b>20.17</b>	<b>9.28</b>	<b>9.71</b>
TILL MAR	DRILL	BOCP	69.84	28.36	73.38	24.88	5.06	-12.28
TILL MAR	DRILL	JOCP	63.20	12.64	82.34	74.34	30.29	488.26
<b>TILL MAR</b>	<b>DRILL</b>	<b>AREA</b>	<b>69.11</b>	<b>26.63</b>	<b>73.93</b>	<b>27.94</b>	<b>6.98</b>	<b>4.91</b>

**COMPARISON OF %AVAILABILITY & UTILISATION(WRT CMPDI NORMS)**

MONTH	MC TYPE	PROJ	CMPDI		CIL(13-14)		2014-15		WRT CMPDI		WRT CIL	
			AV	UT	AV	UT	AV	UT	AV	UT	AV	UT
<b>TILL MAR</b>	<b>DRAGLINE</b>	<b>BOCP</b>	<b>85</b>	<b>73</b>	<b>82</b>	<b>58</b>	<b>74.87</b>	<b>57.46</b>	<b>-11.92</b>	<b>-21.29</b>	<b>-8.70</b>	<b>-0.94</b>
TILL MAR	SHOVEL	BOCP	80	58	72	45	71.76	47.36	-10.30	-18.35	-0.34	5.24
TILL MAR	SHOVEL	JOCP	80	58	72	45	86.85	60.23	8.56	3.84	20.63	33.84
<b>TILL MAR</b>	<b>SHOVEL</b>	<b>AREA</b>	<b>80</b>	<b>58</b>	<b>72</b>	<b>45</b>	<b>74.61</b>	<b>49.79</b>	<b>-6.74</b>	<b>-14.15</b>	<b>3.62</b>	<b>10.65</b>
TILL MAR	DUMPER	BOCP	67	50	68	35	75.58	25.31	12.80	-49.39	11.14	-27.69
TILL MAR	DUMPER	JOCP	67	50	68	35	83.03	50.79	23.93	1.59	22.11	45.13
<b>TILL MAR</b>	<b>DUMPER</b>	<b>AREA</b>	<b>67</b>	<b>50</b>	<b>68</b>	<b>35</b>	<b>76.74</b>	<b>29.29</b>	<b>14.54</b>	<b>-41.41</b>	<b>12.86</b>	<b>-16.30</b>
TILL MAR	DOZER	BOCP	70	45	64	26	62.46	21.27	-10.78	-52.73	-2.41	-18.19
TILL MAR	DOZER	JOCP	70	45	64	26	71.21	17.21	1.72	-61.75	11.26	-33.80
<b>TILL MAR</b>	<b>DOZER</b>	<b>AREA</b>	<b>70</b>	<b>45</b>	<b>64</b>	<b>26</b>	<b>64.83</b>	<b>20.17</b>	<b>-7.39</b>	<b>-55.17</b>	<b>1.29</b>	<b>-22.41</b>
TILL MAR	DRILL	BOCP	78	40	81	24	73.38	24.88	-5.93	-37.80	-9.41	3.67
TILL MAR	DRILL	JOCP	78	40	81	24	82.34	74.34	5.57	85.84	1.66	209.73
<b>TILL MAR</b>	<b>DRILL</b>	<b>AREA</b>	<b>78</b>	<b>40</b>	<b>81</b>	<b>24</b>	<b>73.93</b>	<b>27.94</b>	<b>-5.21</b>	<b>-30.14</b>	<b>-8.72</b>	<b>16.43</b>

**Working hours & breakdown hours comparison**

			2013-14	2014-15	Growth	2013-14	2014-15	Improvement
MONTH	MC TYPE	PROJ	W HR	W HR	W HR	BD HR	BD HR	BD HR
<b>TILL MAR</b>	<b>DRAGLINE</b>	<b>BOCP</b>	<b>3866</b>	<b>4551</b>	<b>17.72</b>	<b>1544</b>	<b>1264</b>	<b>22.11</b>
TILL MAR	SHOVEL	BOCP	25092	32404	29.14	25221	16722	50.83
TILL MAR	SHOVEL	JOCP	8029	9602	19.59	3189	1211	163.34
<b>TILL MAR</b>	<b>SHOVEL</b>	<b>AREA</b>	<b>33121</b>	<b>42006</b>	<b>26.83</b>	<b>28410</b>	<b>17932</b>	<b>58.43</b>
TILL MAR	DUMPER	BOCP	68433	91872	34.25	95060	67934	39.93
TILL MAR	DUMPER	JOCP	20458	34195	67.15	12475	8403	48.45
<b>TILL MAR</b>	<b>DUMPER</b>	<b>AREA</b>	<b>88891</b>	<b>126067</b>	<b>41.82</b>	<b>107535</b>	<b>76337</b>	<b>40.87</b>
TILL MAR	DOZER	BOCP	16549	18160	9.73	29171	28922	0.86
TILL MAR	DOZER	JOCP	6023	5453	-9.46	13499	7196	87.58
<b>TILL MAR</b>	<b>DOZER</b>	<b>AREA</b>	<b>22572</b>	<b>23613</b>	<b>4.61</b>	<b>42670</b>	<b>36118</b>	<b>18.14</b>
TILL MAR	DRILL	BOCP	10109	9962	-1.45	7473	8612	-13.23
TILL MAR	DRILL	JOCP	556	1966	253.51	1225	348	251.93
<b>TILL MAR</b>	<b>DRILL</b>	<b>AREA</b>	<b>10665</b>	<b>11928</b>	<b>11.84</b>	<b>8698</b>	<b>8960</b>	<b>-2.92</b>

**COMPARISON OF MARC EQUIPMENT PERFORMANCE OF 2014-15 WITH 2013-14**

			2013-14		2014-15		GROWTH	
MONTH	EQUIP	PROJ	% AV	% UT	% AV	% UT	% AV	% UT
TILL MAR	DUMPER	BOCP	85.51	55.55	86.31	53.29	0.94	-4.07
TILL MAR	DUMPER	JOCP	84.54	45.52	83.03	50.79	-1.79	11.59
<b>TILL MAR</b>	<b>DUMPER</b>	<b>AREA</b>	<b>85.14</b>	<b>51.71</b>	<b>85.14</b>	<b>52.40</b>	<b>0.00</b>	<b>1.33</b>
TILL MAR	SHOVEL	BOCP	85.24	67.75	86.67	66.53	1.68	-1.80
TILL MAR	SHOVEL	JOCP	89.40	60.08	88.95	62.81	-0.50	4.54
<b>TILL MAR</b>	<b>SHOVEL</b>	<b>AREA</b>	<b>86.70</b>	<b>65.06</b>	<b>87.33</b>	<b>65.45</b>	<b>0.74</b>	<b>0.60</b>

**COMPARISON OF DEPTT EQUIPMENT PERFORMANCE OF 2014-15 WITH 2013-14**

			2013-14		2014-15		GROWTH	
MONTH	EQUIP	PROJ	% AV	% UT	% AV	% UT	% AV	% UT
TILL MAR	DUMPER	BOCP	52.80	13.32	70.19	11.24	32.91	-15.61
TILL MAR	DUMPER	JOCP	0.73	0.37	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>TILL MAR</b>	<b>DUMPER</b>	<b>AREA</b>	<b>50.93</b>	<b>12.85</b>	<b>70.19</b>	<b>11.24</b>	<b>37.81</b>	<b>-12.55</b>
TILL MAR	SHOVEL	BOCP	49.52	27.07	55.59	26.58	12.25	-1.83
TILL MAR	SHOVEL	JOCP	65.11	27.24	65.42	33.87	0.48	24.34
<b>TILL MAR</b>	<b>SHOVEL</b>	<b>AREA</b>	<b>51.95</b>	<b>27.10</b>	<b>56.00</b>	<b>26.88</b>	<b>7.80</b>	<b>-0.81</b>