

Diversion and Reclamation in Piparwar Area , CCL

Forestry Clearance was granted by the Ministry of Environment & Forest, Govt. of India to Piparwar Opencast in Four Phases and Ashok Opencast in two phase

Diverted forest land in favour of Piparwar OCP

Sl. No.	Details of diverted Forest land	Stage –II granted by MoEF vide FC no.
1	13.11 Ha.	8-172/89-FC dt. 02.12.1992.
2	43.30 Ha.	8-172/89-FC dt. 03.01.1995.
3	28.22 Ha.	8-48/98-FC dt. 21 st September '2001.
4	101.87 Ha.	8-54/2003-FC dt. 13 th January '2004.

Diverted forest land in favour of Ashok OCP

Sl. No.	Details of diverted Forest land	Stage –II granted by MoEF vide FC no.
1	166.91 Ha.	8-178/97-FC dt. 9 th November '1999
2	92.26 Ha.	8-07/2013-FC dt.7 th February'2014.

Concurrent Mine Reclamation

Mine reclamation adopted in both Piparwar OCP & Ashok OCP is unique. In both the mines over-burden generated is backfilled in the mine void. After backfilling, the backfilled area is reclaimed with spreading of top-soil and after which plantation is done on the reclaimed land. There is no any external OB dump at Piparwar OCP and Ashok OCP.

Parameters	Piparwar OCP(in Ha)	Ashok OCP(in Ha)
Leasehold Area	1120.25 Ha	1089.64 Ha
Forest Land	186.50 Ha	239.42 Ha
Non Forest Land	933.75 Ha	950.22 Ha
Total Quarry Area	540.00 Ha	516.63 Ha
Back filled Area	350.00 Ha	280.00 Ha
Reclaimed Area	330.00 Ha	260.00 Ha
Plantation Area (including non-core zone area)	293.00 Ha	238.00 Ha
No. of Saplings Planted	7,31,025	595000

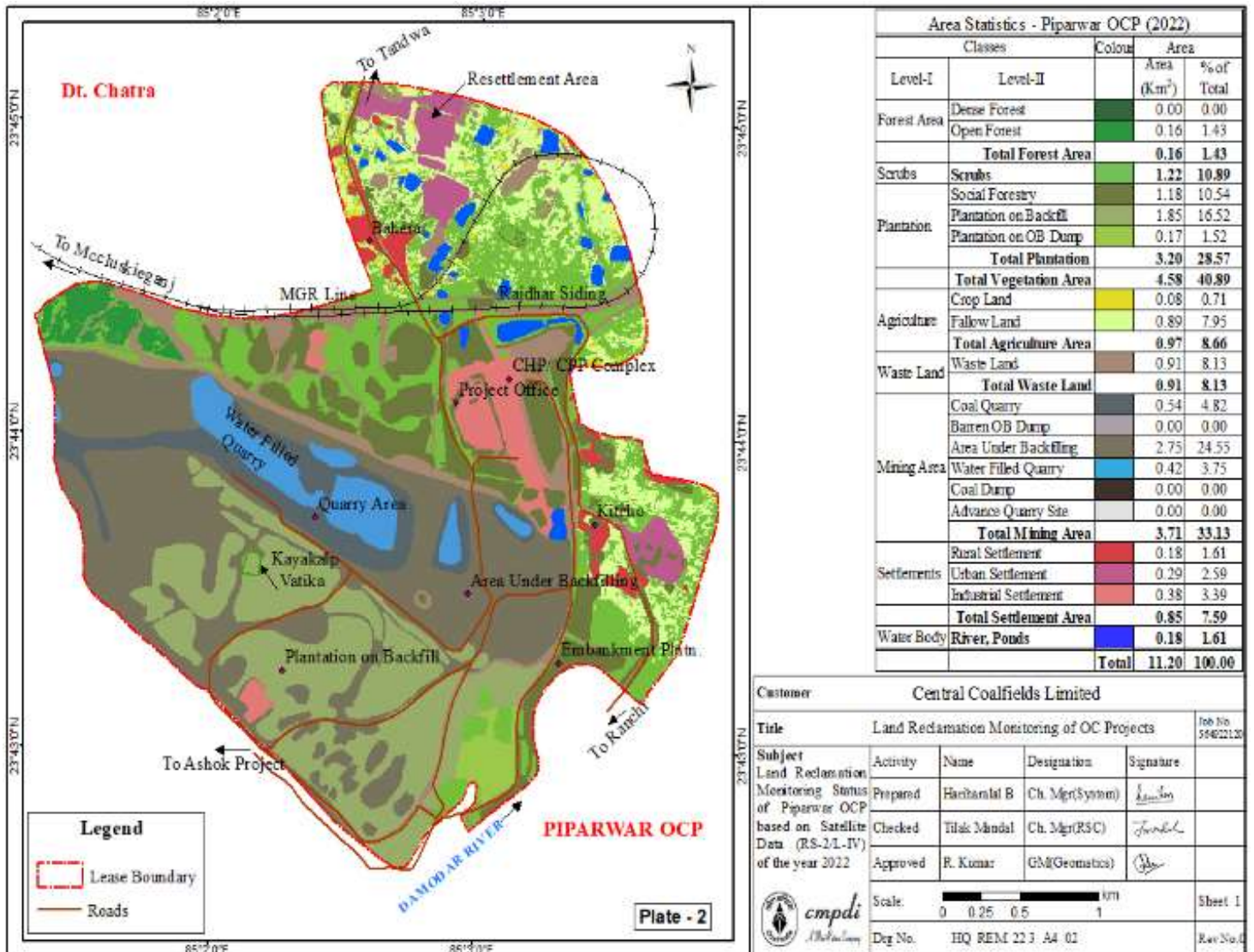
ECO perk/Vatika developed or under progress

	Piparwar OCP(in Ha)	Ashok OCP(in Ha)
Kayakalp Vatika	1.5 Ha	Nil
WAPCOS(under Progress)	20 Ha	Nil
Institute OF Forest Productivity (Under Progress)	17 Ha	Nil

Details of Year-wise Plantation in Piparwar OCP, Piparwar Area

Sl. No.	Year	Piparwar OCP	
		Area (Ha.)	No. of Plants
1	Up to 2000	130.60	326500
2	2001-2002	8	20000
3	2002-2003	20	50000
4	2003-2004	8.45	21000
5	2004-2005	10	25000
6	2005-2006	9.55	21000
7	2006-2007	5	12500
8	2008-2009	2	5000
9	2011-2012	33	82500
10	2012-2013	5	12525
11	2013-2014	7	17500
12	2014-2015	7	17500
13	2016-2017	3	7500
14	2017-2018	10	25000
15	2018-2019	10	25000
16	2019-2020	4	10000
17	2020-2021	6	15000
18	2022-2023	15	37500
	Total	293	7,31,025

Piparwar OCP Land Restoration / Reclamation Monitoring of Opencast Coal Mines based on Satellite Data of the Year 2021 as per the report submitted in March'2022.



Customer: Central Coalfields Limited

Title: Land Reclamation Monitoring of OC Projects

Job No: 548/221.20

Subject	Activity	Name	Designation	Signature
Land Reclamation Monitoring Status of Piparwar OCP based on Satellite Data (RS-2.1-IV) of the year 2022	Prepared	Hacham Lal B	Ch. Mgr(System)	<i>[Signature]</i>
	Checked	Tilak Mandal	Ch. Mgr(RSC)	<i>[Signature]</i>
	Approved	R. Kumar	GM(Geomatics)	<i>[Signature]</i>

Scale: 0 0.25 0.5 1 km

Sheet: 1

Doc No: HQ REM 22.3 A4 01

Rev No: 0

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Details of Year-wise Plantation in Ashok OCP, Piparwar Area

Sl. No.	Year	Ashok OCP	
		Area (Ha.)	No. of plants
1	1998-1999	91.67	234175
2	2000-2001	8.5	21250
3	2002-2003	10	25000
4	2003-2004	11.64	28850
5	2004-2005	18.02	55000
6	2005-2006	8.02	20000
7	2007-2008	8.94	22725
8	2008-2009	5	12500
9	2011-2012	19	47500
10	2012-2013	7.5	18755
11	2013-2014	5	12500
12	2014-2015	4	10000
13	2016-2017	8	20000
14	2017-2018	8	20000
15	2018-2019	20	50000
16	2019-2020	20	50000
17	2022-2023	5	12500
	Total	238	59500

Ashok OCP Land Restoration / Reclamation Monitoring of Opencast Coal Mines based on Satellite Data of the Year 2021 as per the report submitted in March'2022.

