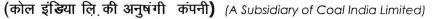


# वेस्टर्न कोलफ़िल्डस लिमिटेड Western Coalfields Limited

(मिनीरत्न कंपनी) (A Miniratna Company)





#### CIN-U10100MH1975GOI018626

### क्षेत्रीय महाप्रबंधक कार्यालय, चंद्रप्र क्षेत्र / Office of Area General Manager, Chandrapur Area

पताः वेकोलि, चंद्रपुर क्षेत्र, पो. बाबुपेट जि. चंद्रपुर, / Address: WCL, Chandrapur Area, Po- Babupeth, महाराष्ट, पिनः 442403 Dist: Chandrapur, MS, Pin-442403

Email: anoenv.cha@coalindia.in

FAX:- 07172-255287

संदर्भ संख्या:वेकोलि/चक्षे/क्षेमप्र/पर्यावरण/2024-25/ 362

दिनांक: 02.12.2024

प्रति.

अतिरिक्त प्रधान मुख्य वन संरक्षक, पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय (WCZ), भूतल, पूर्वी विंग, नया सचिवालय भवन, सिविल लाइन्स, नागप्र- 440001

विषय: Six Monthly Report against Compliance of Conditions of Environmental Clearance letter for <u>Durgapur Opencast Mine</u> of Chandrapur Area, WCL (As on 01.10.2024)

संदर्भ: EC letter No. J-11015/56/2008-IA-II(M) dtd: 10.11.2017

महोदय,

Please find enclosed herewith, Six Monthly Report against Compliance of Conditions of Environmental Clearance letter for **Durgapur Opencast Mine** of Chandrapur Area, WCL (As on 01.10.2024)

This for your kind information & necessary action please.

क्षेत्रीय केंद्रस्थ अधिकारी (पर्यावरण)

वेकोलि, चंद्रप्र क्षेत्र

संलग्न: यथोपरी

#### प्रतिलिपी:

- १. प्रादेशिक अधिकारी, महाराष्ट्र प्रदुषण नियंत्रण बोर्ड, उद्योग भवन, प्रथम तल, रेलवे स्टेशन रोड चंद्रपुर 442401
- २. क्षेत्रीय महाप्रबंधक, वेकोलि, चंद्रप्र क्षेत्र
- 3. महाप्रबंधक (पर्यावरण), वेकोलि-मुख्यालय, नागपुर
- ४. ऑफिस कॉपी

# E.M.P. COMPLIANCE REPORT

# AS ON 01.10.2024

# **DURGAPUR OPENCAST MINE**



# **WESTERN COALFIELDS LIMITED**

**CHANDRAPUR AREA** 

### **INDEX**

Sr. No.	SUBJECT
1	Present Status of project work progress (Part-I to Part-IV)
2	DATA Sheet
3	Salient Feature of the Project
4	Photographs depicting Environmental Works

#### **ANNEXURES**

Sl. No.	Content	Annexure
1	Copy of Latest EC	X
2	Copy of Last CTO& Renewal Application	Y
3	SOP copy of DOCP	A
4	SMP copy submitted to WCL-HQ	В
5	DGMS Permission	С
6	Copy of MCP approval of Board	D
7	Land reclamation report for 2021	E
8	EAC Recommendation modification of EC condition	F
9	Heavy Metal Monitoring reports	Н
10	Copy of CIL Corporate Environment Policy	I
11	Copy of Public Hearing Compliance	J
12	Copy of Ground water NOC from CGWB& Renewal Application	K
13	Copy of Ground Water Monitoring Reports	L
14	Copy of EC letter as marked to Sarpanch/Panchayat	M
15	Copy of email marked to Collector/CHA, RO/MPCB & GM(DIC)/CHA regarding EC	N
16	Copy of Advertisement Regarding EC	О
17	Copy of Environment Statement for 2023-24	P
18	Environment Monitoring Reports April-2024 to September-2024	Q

# PRESENT STATUS OF PROJECT WORK

#### PART - I

Name of the Project	DURGAPUR OPENCAST EXPANSION MINE	
Location	At-P.O. Durgapur, Tahsil- Chandrapur,	
Location	District-Chandrapur, Maharastra State.	
	Sub Area Manager, Durgapur Opencast Sub Area,	
Address for	At-P.O. Durgapur, Tahsil- Chandrapur,	
correspondence	District-Chandrapur, Maharastra State. (M.S.)	
	PIN - 442 404.	
MOEF's Clearance No. &		
Date	J-11015/56/208-IA-II(M) Dated 10.11.2017	
Period of Status Report	01.04.2024 to 30.09.2024	
Date of Submission of Last	01.07.2024	
Report	01.07.2024	
Year of Commencement of	1980	
Project work	1900	

### STATUS OF LAND ACQUISITION

TYPE OF LAND	REQUIRED AS PER EMP (In Hectares)	ACTUAL AREA ACQUIRED (In Hectares)
FOREST LAND	379.35	379.35
GOVT.LAND	172.95	172.95
AGRICULTURAL LAND	1070.20 (25 Ha. Outside ML Area)	1070.20
TOTAL	1622.50	1622.50

#### PRESENT STATUS OF LAND USE PATTERN (All Figures in Ha)

SI.	PARTICULARS	As Per EMP in (Ha)
1	External OB Dump	461.38
2	Excavation	660.68
3	Infrastructure like Sub-station, CHP	100.00
	Service Building etc.	
4	Undisturbed area (brought under	345.44
	plantation)	
5	Area for village rehabilitation	25.00
6	Roads	10.00
7	Colony Land	20.00
	Total	1622.50

#### STATUS OF LEGAL COMPLIANCE

A.	Consent under Water (Prevention & Control of Pollution) Act	Consent to Operate under Air & Water Act obtained from MPCB vide Format1.0/CAC/UAN No.MPCB-CONSENT-0000165635/CR/2307001646 Dtd: 26.07.2023 valid upto 31.03.2024 (Annexure-Y). Renewal Application under process.		
В.	Consent Fees under Water (Prevention & Control of Pollution) Act	Water cess paid up to <b>December - 2015</b> Water cess has been abolished since 30.06.2017 Vide MPCB office order no.E-18/2018 Dtd. 07.02.2018.		
C.	Environment (Protection Act)	The project has been accorded Environmental Clearance by MOEF for 3.00 MTPA vide EC No. J-11015/56/2008-IA-II (M) dtd: 10.11.2017 (Annexure-X)		
D.	Forest (Conservation) Act	Total forest area involved 379.35 ha. Breakup of the forest clearance is as below:  • 40.46 ha. – FLD -3679/ 1435-F3 dated 23 <sup>rd</sup> may 1980 from Revenue Dept, Govt of Maharashtra ,Mantralay, Bombay.  • 136.54 ha. – F.8-35/2001-FC dated.19.09.2006 from MOEF  • 80.77 HaF.8-123/2003/FC dated.8 <sup>th</sup> Nov 2005 from MOEF.  • 121.58 ha— Stage- I FC granted Vide 8-84/2014-FC dated. 16 <sup>th</sup> Sept 2015 from MOEF & CC.		

#### PART - II

	AIR POLLUTION CONTROL	STATUS OF ENVIRONMENT
A.	No. of Ambient Air Monitoring Stations	04 Nos.(Fortnightly)
B.	* Details of Locations	Location code
1	Durgapur Village	CDOA-1
2	Filter Plant DOC/POC Township	CDOA-2
3	Sinhala Village	CDOA-3
4	Manager Office Sector V	CDOA-4
C.	** Ambient Air Quality Status for the Parameters prescribed by State Pollution Control Board.	
	A1 CDOA-1	
	A <sub>2</sub> : CDOA-2	
	A <sub>3</sub> : CDOA-3	At present at DOCP, the monitoring results at 4 stations mentioned above for the month of April-2024
	A <sub>4</sub> : CDOA-4	to September-2024 are enclosed as (Annexure-Q)

<sup>\*</sup> Locations of the Sampling Stations have been delineated on the Working Mine Plan Enclosed.

<sup>\*\*</sup> Detailed Report of Sampling & Analysis of Ambient Air Quality as per the Statute of Standard & Approved Laboratory: CMPDIL'S Report for the months of April-2023 to September-2024 are enclosed.

	WATER POLLUTION CONTROL	
Α.	No. of Stations & Frequency of	At present 04 (Four) stations are monitored
Α.	Monitoring	by CMPDIL Fortnightly.
B.	*Description of Locations	
	CDOW-1	Mine Discharge Sec IV / II
	CDOW-2	Mine Discharge Sec V
	CD (ETP) W-3	Workshop ETP Treated Water
	CD (STP) W-4	STP ( Domestic Effluent)Treated Water
		From the analysis report it can be seen that
		all parameters except pH valve of mine
	Average Concentrations of Major	discharge of Sector-V are within the
C.	Pollutants prescribed by State Pollution	permissible limit. Mine discharge of Sector-
	control Board	V being acidic is treated through lime
		dozing and diluted in abundant quarry of
		Padmapur OCP.

Environmental Monitoring Reports for the months of April-2024 to September-2024 are enclosed as (Annexure-Q).

	NOISE POLLUTION CONTROL	
A.	No. of Noise Monitoring Stations	02 No.
В.	* Description of Locations & dB	CDON-1 CHP
Б.	(A) Value	CDON-2 Durgapur Colony
C.	Average Concentrations of Major	From the analysis report it can be seen that all
	Pollutants prescribed by State	parameters are well within the permissible limit
	Pollution control Board	

<sup>\*</sup> Location Points have been delineated on the Working Mine Plan: ENCLOSED.

<sup>\*\*</sup> Detailed Report of Noise Monitoring as per the Statute to be enclosed: Report for the months of April-2024 to September-2024 is enclosed as (Annexure-Q).

#### <u>PART – III</u>

#### STATUS OF IMPLEMENTATION OF PROVISIONS OF EMP AS 0N01.10.2024

SI	PARTICULARS	As per EMP	01.04.2024 to 30.09.2024	Progressive
1.	Area Excavated (Hectares)	660.68	2.99	460.839
2.	Overburden Removed (MM <sup>3</sup> )		4.726	283.465
3.	Overburden Back-filled (MM <sup>3</sup> )		1.726	91.90
4.	Overburden Dumped OB dumps (Ha)	461.38	6.245	111.65
5.	Overburden Dumped Embankment			
6.	Area recovered under back filled (Ha.)		0.00	32.85
	Area Reclaimed Biologically (Hectares)	150.00	.00	35.65 369.04
7.				OB dump & plain area
8.	Annual Production : (Coal in M. Te., OBR in MM <sup>3</sup> )  Target Capacity: 3.00Million T / Year Coal	COAL PRODUCTION (FROM:- 01.04.2024 to 30.09.2024 (i). Departmental 0.788 Million Tonne  O.B. Removal Total OBR:- 4.726 MM <sup>3</sup>		
	Present Capacity: 3.00MillionT/Year Coal			

# AFFORESTATION \* ( Nos. );

SI	LOCATION	<b>Current Year</b>	Progressive
1.	Dumps & Embankments		661800
2.	Safety Zone		
3.	On other than ob dump & back filled area		680124
	Total		1341924
4	Area under plantation( Ha.)		366.24 Ha.
5	No. of species / Ha.	3664 / Ha	. Approx.
6	Species planted	Teak, Sewan, Shishu, Bamboo, Neem, Karanj, Awala, Amrut, Viliatilmli, Cassia semmia, Glecideia, Eucalyptus etc.	

#### **REHABILITATION & RESETTLEMENT**

The Actual position as on 30.09.2024 are as follows.

#### R & R Details:

#### Existing (against earlier acquired land):

No. of Holdings	Employment given	Balance Employment	Monetary Compensation
264 (274 As per sharing basis)	202	57	15

#### Proposed (Against the additional land as per latest EC ):

No. of	Employment	Employment	Proposal	Monetary
Holdings	Approved	Given	Under Process	Compensation
NIL	NIL	NIL	NIL	

#### 1. LAND COMPENSATION:

- Rs.52.53 crores approved by Ministry of coal (MoC) for 260.09 Ha. Of tenancy land.
- Rs. 52.53 crores disbursed to 108 no. of land losers.

• Balance Rs.11.20 Crores is to be deposited in Tribunal due to dispute/court matter among the land loser.

Organisation set up at Project Level (Name & Designation of the Personnel to be given)

**Shri. Harish Kumar Gawali,** Sub Area Manager Durgapur Opencast Sub Area.

**Ashok Naik,** Sub Area Engineer (Civil)/Nodal Officer (Environment), Durgapur OCP.

# EXPENDITURE: CAPITAL EXPENDITURE ON POLLUTION CONTROL MEASURES AT DURGAPUR OCPAS ON 01.10.2024

(In Rs. Lakhs)

SI. no	Head	Project	Amount in Rs. Lakh
1	Mist sprinklers in CHP	DOCP	4.58
2	Fixed Sprinklers in Haul road/approach road	DOCP	8.75
3	Black topping of roads	DOCP	76.66
4	Mobile tankers(28 KI)	DOCP	56.00
5	Workshop ETP	DOCP	14.00
6	DETP(Colony)	DOCP	105.00
7	Sedimentation pond	DOCP	14.30
8	Land fill arrangement for ETP sludge	DOCP	2.17
9	CHP cladding	DOCP	4.38
10	Used oil collection platform	DOCP	2.45
11	Making Shed over Land fill arrangement for ETP sludge	DOCP	2.15
12	Addl. Borewell at DOCP for Dust suppression	DOCP	5.65
13	Block topping from Weigh bridge to colony gate junction -1750 mtr.	DOCP	125.46
14	Sprinkler arangement for Coal transportation road upto Coal stack yard at Sector V (850 Mtrs.)	DOCP	28.73
15	Modification of treatment process of DETP	DOCP	6.20
16	Providing & fixing sprinkler at weigh bridge	DOCP	0.98
17	Providing & fixing sprinkler near concrete buncker at CHP	DOCP	1.87
18	Concrete pavement pavement to 100MT W.B. at DOC-SA	DOCP	6.44
19	Concrete pavement pavement to 50 MT W.B. at DOC –SA	DOCP	3.501
20	Arrangement of water supply system to rain guns & sprinklers	DOCP	17.88
21	Road sweeping machine	DOCP	36.91
22	CAAQMS	DOCP	54.52
23	Mist/ Fogger Spray Cannon at DOC	DOCP	9.00
24	G I Sheet Barricating at CHP	DOCP	5.64
		TOTAL	593.22

**EXPENDITURE : REVINUE (In Rs. Lakhs)** 

ACCOUNT HEAD	CURRENT YEAR upto30.09.2024	PROGRESSIVE
Afforestation	0.50	376.30
Air pollution control(O & M of 3 Mobile Tankers, Rainguns, sprinklers etc.	0.00	344.54 approx.
Water pollution control(O & M of ETP, DETP & Sedimentation pond)	0.00	182.19 approx.
Monitoring	0.00	45.80 approx.
Legal Expenses(Consent fees)	20.29	124.34
Env. Audit + Water Cess	0.00	6.77
Others (JVS by MPCB)	0.30	14.79
Re-carpeting of main colony road.	0.00	190.69
Bitumen carpeting of internal road of DRM quarters at DOC-POC Township		12.00
GWT & pipeline sprinkler at CHP	0.00	3.12
Sprinklers along coal transportation road		16.88
Bitumenious carpeting of coal transportation Road	0.00	306.16
.Total	0.00	1623.58

AREA NODAL OFFICER(ENV.), CHA

DY.GENERAL MANAGER, DOC-SA

#### DURGAPUR OPENCAST EXPANSION PROJECT CHANDRAPUR AREA WESTERN COALFIELDS LIMITED

#### **PART-IV**

Sub: - Compliance of Environmental Clearance Condition. Ref: - EC Letter No. J-11015/56/2008-IA-II(M) Dated 10.11.2017 PERIOD:-01.04.2024 to 30.09.2024

Sr. No.	Condition		Compliance	2
i	The maximum production from the mine shall not exceed the sanctioned capacity of 3 MTPA as mentioned in the EC.		iintained.	
ii	The validity of the EC is for the life of the Mine or as specified in the EIA Notification. 2006, whichever is earlier.			
iii	Standard Operating Procedures are required to be prepared and vetted by the company headquarters for adoption of environmental measures in course of various mining activities right form drilling, blasting to coal dispatch be submitted to EAC for Monitoring.	In addition Safety I specific and is review for Durgapur Op Headquarter for revi	Management Pla ewed at periodic encast Project	an (SMP) again is mine interval. The last SMP submitted to WCL-
iv	Transportation of coal should be carried out by covered trucks. Mitigation measures to be undertaken to control dust and other fugitive emission all along the roads by providing sufficient numbers of water sprinklers.	CSTPS. The entir dispatched to CSTP above, as there is n premises, hence pos	e coal produc PS via Aerial Ro o road dispatch ssibility of air p	ed from the mine is opeway. In view of the to CSTPS/outside mine
v	Continuous monitoring of occupational safety and other			regularly maintained as
	health hazards, and the corrective			E/IME
	actions need to be ensured.	Year	Departmental	Contractual (IME)
		2018	180	08
		2019	311	215
		2020	221	31
		2021	134	06
		2022	110	66
		2023	447	144
		2024 (Jan-March)	122	69
vi	Controlled blasting techniques should be adopted to control			ed by DGMS, blasting is on. (Annexure-C)

ground vibration and fly rocks.

- vii Thick green belt of 30-40 m width to be provided to mitigate / check the dust pollution. A 3-tier avenue plantation should also be developed along vacant areas, storage yard, loading/ transfer points and also along internal roads/ main approach roads.
- Thick green belt of 30-40 m width to be provided to mitigate / check to be provided to be provid
  - developed along vacant areas, 2. Plantation done till date in the mine and surrounding, storage yard, loading/ transfer including avenue plantation, is as given below.

A. Plantation details on Plain land:

Sl. No.	Year of plants	No. of Plants	Area in Ha.	Location
1	1986-87	5200	1.00	Near MQ water tank
2	1989-90	123000	23.75	Near Check Post, HEMM & VIP Guest House
3	1990-91	213000	34.00	In front of NM tank, WTP, CHP & Foothill of C dump
4	1991-92	25000	4.50	Haul road, near check post and along water channel
5	1992-93	30000	6.00	LPG go-down & Near Filter Plant
6	1993-94	60000	12.00	Near CHP & Behind B type qtr.
7	1996-97	50000	10.00	Near workshop
8	1997-98	60000	12.30	Near filter plant, Hanuman mandir& View point
9	1998-99	12574	5.25	Avenue & Behind workshop
10	1999- 2000	24000	7.50	Near pond, Haul road side & Marathi School
11	2000-01	2900	1.00	Near NB type (Neem Plant)
12	2001-02	2500	1.00	Near Bank (Neem Plant)
13	2002-03	3000	1.50	Near masque (Neem Plant)
14	2003-04	5000	2.00	Near filter plant (Neem Plant)
14	2003-04	1000	0.50	Near CHP Durgapur Vllage (Neem Plant)
15	2004-05	35000	14.00	Between DRM Qtrs. And coal transportation road
16	2007-08	2200	1.00	Near Colony turning & near DETP
17	2012-13	8500	3.39	Near CHP

10	2012 14	1/250	6.50	(2.52 Ha)  Near DOC Check post
18	2013-14	16250	6.50	
19	2016-17	1000	0.40	Behind Colony entry gate
	Total	680124	147.59	

# B. Plantation on OB Dumps and (Internal & External Backfilled Area):

	Year of	NI C	Area	Location	Type of
SI.	Plantati	No of Plants	in		Dump
N0	on	Plants	Hect.		
1.	1990-91	2000	0.70	C dump foot hill	External
2.	1993-94	50000	10.00	E dump	External
3.	1994-95	23010	20.00	D dump	External
		12500		H dump	Internal
		34736		C dump	External
		22754		C dump	External
4.	1995-96	84000	15.00	E dump	External
5.	1996-97	50000	19.50	A & B	External
				dump	
6.	1997-98	24000	10.65	G dump	Internal
		9000		H dump	Internal
7.	1998-99	6250	11.00	G dump	Internal
		21250		E dump	External
8.	1999-00	16000	8.00	C dump	External
9.	2000-01	25000		A & B	External
		15000	20.00	C dump	External
		10000		C dump	External
10.	2002-03	10000	9.00	I dump	Internal
11.	2005-06	68000	27.00	A & B	External
12.	2007-08	22800	9.00	Sect. V side	External
13.	2009-10	50000	20.00	Dump A & B, and On	External
14.	2010-11	50000	20.00	Dump & slopes	External
15.	2012-13	28500	8.00	On Dump slopes	External
16.	2018-19	15000	6.00	Sector V	Internal
17.	2020-21	5000	2.00	Near View	Internal
18	2020-21	7000	2.80	KargilDump	External
	Total	661800	218.65		

(a) Mining

(i) No change in mining technology Noted. No change in mining technology and scope of work

	without prior approval of the	shall be made without prior approval of the Ministry of Environmental, Forest and Climate Change. No change in the calendar plan including Excavation, quantum of coal and waste shall be made.
(ii)	the approved mining plan, and also abiding by the relevant laws related to coal mining and the circulars issued by Directorate General mines safety (DGMS). An	The copy of MCP Approval by WCL Board is enclosed (Annexure-D). Progressive Mine Closure activities like backfilling, reclamation etc. are carried out simultaneously
(b)	Land Reclamation	
(i)	Digital processing of the entire	Digital processing of antire mine lease area using remote
	lease area using remote sensing technique shall be carried out	Digital processing of entire mine lease area using remote sensing technique for DOCP is carried out every year. The report of 2021 copy enclosed (Annexure-E). The same is also uploaded on company website.

The top soil, if any, shall temporarily stored be earmarked site (s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The Overburden dumps should be vegetated with suitable native species to prevent erosion and surface run off. The entire excavated are shall be backfield and afforested in line with the approved Mine Closure Plan. Monitoring and Management of rehabilitated areas should until the vegetation continue becomes selfsustaining. Compliance shall be submitted to the Ministry of Environment, Forest and climate Change and its Regional Office six monthly basis.

(iii)

Re mo val	Year of Plantati on	No of Plants	Area in Hect.	Location	Type of Dump
1.	1990-91	2000	0.70	C dump foot hill	External
2.	1993-94	50000	10.00	E dump	External
3.	1994-95	23010	20.00	D dump	External
		12500		H dump	Internal
		34736		C dump	External
		22754		C dump	External
4.	1995-96	84000	15.00	E dump	External
5.	1996-97	50000	19.50	A & B	External
				dump	
6.	1997-98	24000	10.65	G dump	Internal
		9000		H dump	Internal
7.	1998-99	6250	11.00	G dump	Internal
		21250		E dump	External
8.	1999-00	16000	8.00	C dump	External
9.	2000-01	25000		A & B	External
		15000	20.00	C dump	External
		10000		C dump	External
10.	2002-03	10000	9.00	I dump	Internal
11.	2005-06	68000	27.00	A & B	External
12.	2007-08	22800	9.00	Sect. V side	External
13.	2009-10	50000	20.00	Dump A & B, and On	External
14.	2010-11	50000	20.00	Dump & slopes	External
15.	2012-13	28500	8.00	On Dump slopes	External
16.	2018-19	15000	6.00	Sector V	Internal
17.	2020-21	5000	2.00	Near View	Internal
18	2020-21	7000	2.80	KargilDump	External
	Total	661800	218.65		

(iv) Greenbelt shall be developed all along the mine lease area in a phased manner. The width of the green belt should not be less than 100 ha. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach roads.

Greenbelt shall be developed all Plantation has been carried in 366.24 Ha in total at various along the mine lease area in a locations in Durgapur Opencast Project with an approx. phased manner. The width of the 1341924 nos. of plants. Details provided above.

(c)	Emission, Effluents, and Waste Disposal	
(i)	Transportation of coal by road should be carried out by covered truck only. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM 2.5 such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board in this regard.	<ul> <li>a. 79 no of sprinklers are provided along Coal transport road, approach road to weighbridge and Coal stock yard</li> <li>b. 08 no of Rain guns are provided in CHP Area, Coal Stock yard and ETP Premises.</li> <li>c. 85 nos. of Mist spray arrangement in CHP.</li> <li>d. 4 No. of Mobile tankers are deployed on Haul roads and Coal Transport roads.</li> <li>e. Approx. 5 km coal transport road is tarred (black topped) to reduce dust emissions.</li> <li>f. 22 nos. of sprinklers are provided at CHP.</li> </ul>
(ii)	Vehicular emissions shall be kept under control and regularly monitored. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centers.	<ul><li>through Ariel ropeway hence no vehicular emission arises.</li><li>2. Vehicles engaged in internal road transport from Coal</li></ul>
(iii)	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO2 and NOx location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the state pollution control board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr etc carried out at least once in six months.	have been established in the core zone and buffer zone for PM10, PM2.5, SO2 &NOx monitoring.  a. Manager Office, Quarry V-Core zone.  b. Filter Plant Core zone c. Durgapur Village buffer zone. d. Sinhala Village buffer zone. These stations have been established as per metrological data & in consultation with MPCB. The Ambient Air Quality Monitored at this stations is as per the Env. Protection Amendment Rules 2000. Env. Monitoring Reports are regularly submitted to Regional Office MoEF& CC and MPCB. Vide email from anoenv.cha@coalindia.in.
(iv)		<ol> <li>Total 6 no. of drills are in operation.</li> <li>Two no. of drills are wet operated.</li> </ol>

	be wet operated or fitted with dust	
	extractors.	
(v)	alter the major channels around the side site. Appropriate embankment should be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary should be of suitable dimensions and critical patches should be strengthened by stone	This diversion, if any, will be carried out only after due permission of State Government Authorities & with design of CDO, Nashik. During implementation, the recommendation of the State Government/CDO Nashik will be duly followed and the same will be intimated to your good office.  The embankment has been built to prevent the danger of inundation of the mine. It has length of approx. 200 m, width of 50 m at top and average height of 20 m.  Embankment has plantation and is stabilized.
(vi)	implemented for conservation and augmentation of ground water resources in the area in	Rain water harvesting structure covering the area 477 sq. m exist at Sub area Manager Office of Durgapur Opencast Project (DOCP)with total 9 No. of collecting pits with dimensions 0.9m x 0.6m x 0.3m connected to 1 No. main recharge pit of dimension 1.2m x 1m x 1m.  Other Recharge structure constructed in the 10 km buffer zone of the project are as follows:  Artificial recharge to ground water system at the periphery of the anticipated influence area by local stagnation in low lying areas/drains by providing Checkdam on Zarpat river of 100 m length near Anchaleshwar Temple.  Additionally, Roof Top Rainwater harvesting system is installed at AGM Office, Chandrapur area for recharging ground water.
(vii)	appropriate size shall be constructed around the mine working, coal heaps and OB dumps to prevent run off of water and flow of sediments directly in to the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. the drain shall be regularly de-silted particularly after monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt	Catch drains of size (Avg. Width: 3.50 mtr, Avg. Depth: 2.50 mtr) are provided around periphery of the OB dumps as well as soil dumps to arrest silt and sediment flow from the respective dump sites. In case of OB benches in the quarry, cross drainage are provided which carries silt and sediment into the mine sump (300m X200m X5m) made at the floor which accumulates all the silt and act as first stage settling pond with adequate retention time for proper settling of suspended particles. The supernatant water is the pumped out through pumps onto the surface into the surface settling tank of dimensions 176 mx 6m x 1.30m for secondary treatment. The clear water from surface sedimentation tank is being used for watering the mine area. Roads and green belt development. The catch drains mentioned above are being regularly de-silted and maintained properly.

	the toe of the dumps and OB benches within the mine to check	depth: 2.50 mtr) are provided around the periphery of the excavated area (approx. 5 km), which carries surface runoff and the drains are regularly de-silted before onset of monsoon. The mine sump is having sufficient capacity to deal with peak rainfall. Surface runoff from these garland drains collected into sump which allow accumulation of silt material and sufficient retention time for settling of silt materials.
(viii)	workshop and waste water from the mine) should be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made there under, and as	Workshop ETP of 150 KLPD capacity in operation with presettling tank, drain, oil & grease trap, sedimentation tank & clear water tank. The treated effluent is reused for washing of HEMM & dust suppression. There is no discharge of effluents to outside nallah.  Mine water discharge water is made to pass through mine sump and surface sedimentation pond tanks with adequate retention time for settling of suspended particles before mine water is discharged outside.  Regular water quality monitoring is carried out by CMPDIL and reports of the same are being submitted regularly to RO, MoEF& CC and MPCB. Details of submission are as follows:  1) vide email from anoenv.cha@Coalindia.in on dtd: 10.06.2024 for the month of April-2024  2) vide email from anoenv.cha@Coalindia.in on dtd: 02.08.2024 for the month of June-2024  3) vide email from anoenv.cha@coalindia.in on dtd: 03.09.2024 for the month of June-2024  4) vide email from anoenv.cha@coalindia.in on dtd: 03.09.2024 for the month of July-2024  5) vide email from anoenv.cha@coalindia.in on dtd: 03.10.2024 for the month of August-2024  6) vide email from anoenv.cha@coalindia.in on dtd: 12.11.2024 for the month of September-2024
(d)	Noise & Vibration Control	
(i)	for control of noise levels below 85 dBA in the work environment.	In order to control excessive noise during operation regular maintenance of all HEMMs, plantation in the open spaces, around mine periphery is done and supply of Personnel Protection Equipment namely ear plugs and muffs to the workers in the core zone.
(ii)		Controlled blasting is being done as per DGMS guidelines with delay detonators and shock tubes.

(i) Besides carrying out regular periodic Health Check-up of their year. Details of IME/PME for Departmental and Contractual workers, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency/institution within the District/State and the results reported to this Ministry and to DGMS.  (ii) Personnel working in dusty areas should wear protective respiratory of devices and they should also be should wear protective respiratory protective gears like dust masks with goggles which is also a devices and they should also be statutory requirement.  provided with adequate training and information on safety and As per statute all personnel working in mines will be given health aspects. Supervisory staff training and retraining for safety aspects. Supervisory staff training and retraining for safety approx. 1/5 workers of DOCP are sent for periodical medical examination every year under health surveillance programme (Periodical Medical Examination).  (iii) In case of outsourcing of work Noted. The mine is not outsourced to MDO, however part of through MDO, the project mining operations is carried out through Hiring of proponent shall ensure the strict Equipment (HOE) contract.  (iii) The project proponent shall take As there is no Schedule-I species present in the Mine lease all precautionary measures during area hence not applicable. A study has been commissioned mining operation for conservation wildlife and protection of endangered Institute of India regarding "Impact Assessment of CTPS on area. Action plan for conservation wildlife and proparation of Management Plan". The study of of flora and fauna shall be two year duration is in progress and based on the findings of prepared and implemented in the study, suitable action shall be taken.  (g) Implementation of action plan	(e)	Occupational Health & Safety			
in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency/institution within the District/State and the results reported to this Ministry and to DGMS.  (ii) Personnel working in dusty areas of devices and they should also be provided with adequate training and information on safety and health aspects. Supervisory staff shall be held responsible ensuring compulsory wearing of dust mask.  (iii) In case of outsourcing of work through MDO, the project enforcement of the above conditions.  (iii) In case of outsourcing of work through MDO, the project enforcement of the above conditions.  (iv) Biodiversity  (i) The project proponent shall take all precautionary measures during mining operation for conservation of flora and fauna shall be resulted in consultation with the State Forest and Wildlife department. A copy of action plan for conservation to the Ministry of Environment, Forest and Climate Change and its Regional Office.	(i)	periodic health check-up of their workers, 20% of the workers	year. Details of IME/PME for Departmental and Contractual Manpower is given below:		rtmental and Contractual
be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency/institution within the District/State and the results reported to this Ministry and to DGMS.  (ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Supervisory staff shall be held responsible ensuring compulsory wearing of dust mask.  (iii) In case of outsourcing of work through MDO, the project proponent shall ensure the strict enforcement of the above conditions.  (iv) Biodiversity  (iv) Chandraphr to Neers and Fundamental and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in the consultation with the State Forest and Wildlife department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.			Vonr		
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District/State and the results reported to this Ministry and to DGMS.  (ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Supervisory staff training and health aspects. Supervisory staff shall be held responsible ensuring compulsory wearing of dust mask.  (iii) In case of outsourcing of work through MDO, the project proponent shall ensure the strict enforcement of the above conditions.  (iv) Biodiversity  (i) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study mines of MCL and CTPS, Chandrapur to NEERI and Wildlife and prepared and implemented in consultation with the State Forest and Wildlife department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.		_		134	06
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(g) Implementation of action plan		The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its	area hence not appl by WCL and CTPS Institute of India r mines of WCL and wildlife and prepara two year duration is the study, suitable ac	icable. A study S, Chandrapur egarding "Impa I Thermal Pow tion of Manager in progress and	has been commissioned to NEERI and Wildlife act Assessment of coal er Station of CTPS on ment Plan". The study of based on the findings of
	(g)	Implementation of action plan			

#### as per public hearing and CSR activities

(i) Hearing shall be ensured. The project proponent shall complete R&R details: all the tasks as per the action plan submitted with during public provisions the hearing. Land oustees should be compensated as per the norms laid out R&R Policy of the Company or the national R&R Policy or R&R Policy of the state

Implementation of action plan on Public Hearing was last conducted on 30.10.2009. Copy of the issues raised during the Public Public hearing compliance enclosed as (Annexure-J).

budgetary Existing (against earlier acquired land):

0 \ 0			
No. of	Employme	Balance	Monetary
Holdings	nt given	Employment	Compensation
264(274 as			
per sharing	202	57	15
basis)			

Government, whichever is higher. Proposed (against the additional land as per latest EC):

No. of Holdings	Employ ment Approved	Employ ment given	Proposal under process	Monetary Compensation
NIL	NIL	NIL	NIL	NIL

#### **Land Compensation:**

Rs. 52.53 Crores approved by Ministry of Coal(MoC) for 260.09 Ha. Of tenancy land.

Rs. 52.53 Crores disbursed to 208no.of Land losers.

Balance Rs. 11.20 Crores is to be deposited in Tribunal due to dispute/court matter among the land loser.

(ii) during preceding financial years, pursuance of its Corporate Social CSR activities. Responsibility **Policy** section 135 of the companies Act life of the project.

The Board of every company, Developmental activities are undertaken in CSR are as per shall ensure that the company UNDP Human Development Indices like providing basic spends in every financial year, at infrastructure (Roads, drinking water, sanitation facilities least two percent of the average etc), Skill development Training for Employment & net profits of the company made Entrepreneurship development for improving GDP, Primary the three immediately schools for promoting basic education and Medical Camps in for Health care and lifespan improvement are undertaken in

- under On rotation basis most of the villages are covered till the
- 2013, for the socio economic As per the revised CSR rules of CIL dated 30/12/2015, development of the neighborhood. under Companies Act, fund allocation

for CSR is Rs.2/tonne of Coal produced or 2 % of the average net profit of the company for the immediate preceding financial years.

- Villages under 25 km radius of project are covered for implementation of CSR Works.
- To implement CSR activities, a village level committee termed as "gram sabha of gram panchayat" requests list of activities to be undertaken in their respective villages.
- The CSR activities are carried out through following set up:

1. Board level Committee headed by one Independent Director & 2 Functional Directors 2. WCL-HQ CSR & Sustainability Committee constituted of HoDs of Environment, Civil, Finance& Medical. 3. Area level CSR Committee headed by Area General Manager, HoDs of Civil, Personnel, Finance & CSR • The above mentioned committees scrutinize the proposals or request from the villages at each level before approval and then implement the activities. At the end of the financial year, the activities undertaken by CSR fund is audited and uploaded onto WCLs website which fulfills the requirement of monitoring. Apart from Socio-Economic welfare programmes, additionally, programmes related to Environment are also being carried out. 1. Construction of APJ Abdul Kalam Eco park @ 5.00 2. Cleaning/ desilting of Erai river of Chandrapur @ Rs.5.41 crores. 3. 100 Ha Plantation done on degraded forest land in 2014-15at Babupeth and Morwa for Rs. 2.02 crores. 4. 50 Ha Plantation done on degraded forest land in 2015-16 at BabupethforRs. 1.20 crores. 5. Rs. 25 lakhs given to Chandrapur Municipal Corporation-Chandrapur for development/plantation in open spaces in Chandrapur city. 6. Rs. 9 lakhs given to CMC-Chandrapur for cleaning of Ramalalake. **Corporate Environment** (h) Responsibility The Company should have a well A well laid down Policy exists for Coal India Limited and the (i) copy of the same is enclosed as (Annexure-I). laid down environment policy approved by the Board of Directors. To have checks and To have proper checks and balances the Company has a well (ii) proper balances, the company should laid down Environment policy for stakeholder at large. have a well laid down system of Environment monitoring reports and all other relevant reporting of non- compliance/information is being uploaded on WCL website in public violations of environmental norms domain. to the Board Of Directors of the Company and / or stakeholders at large. A environmental A full-fledged Environmental Cell with qualified & trained (iii) separate management cell with suitable team of engineers exists at WCL HQ headed by GM (Env.), qualified personnel should be setwho report to Director (Tech) who is also Functional up under the control of a Senior Director of the WCL Board. Executive, Who will report Environment Cell at Area level is headed by GM(Opn)/ Area directly to the Head of the General Manager and assisted by Area Nodal Officer (Env.) Organization. and Assistant Managers. At Project level the cell as headed by Sub Area Manager

		&assisted by Nodal Officer (Env) of the Project.
(iv)		The funds earmarked for Environmental protection measures are kept separate and are not used for any other purpose.
(i)	<b>Statutory Obligations</b>	
(i)	Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India. Hon'ble High Court, NGT and any other Court of Law, if any as may be applicable to the project.	
(ii)	This Environmental Clearance is subject to obtaining requisite NBWL Clearance from the Standing Committee of National Board for Wildlife, if any, as applicable to the project.	
(iii)	The project proponent shall obtain consent to Establish and consent to Operate from the concerned State Pollution Board prior to increase in capacity of washery and effectively implement all the conditions stipulated there in .	
(iv)	necessary prior permission from	
(j)	Monitoring of Project	
	water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the	The Monitoring results are regularly submitted to Regional office, MoEF& CC and SPCB. (Annexure-L)

(ii)	stipulated environmental	Noted for Compliance.  Details of Last submitted Reports to Regional Office, MoEF& CC;  • Submitted on dtd. 01.07.2024 vide email form anoenv.cha@Coalindia.in (For Oct-23 to March-24)  • Submitted on dtd. 01.02.2024 vide email form
(iii)	project authorities should extend	Full co-operation from Project Authorities will be extended to Officers of Regional Office, MoEF& CC, Nagpur by furnishing the requisite data/information/monitoring reports.
(iv)	The activities pertaining to development of green belt/horticulture shall be reported to concerned Regional office of MoEF& CC on six monthly basis from the date of commencement of mining operations.	
(v)	For half yearly monitoring reports, the data should be monitored for the period of April to September and October to March of the financial years and submitted to the concerned authorities within 2 months of the completion of periodicity of monitoring.	Details of Last submitted Report:  Details of Last submitted Reports to Regional Office, MoEF& CC;  • Submitted on dtd. 01.07.2024 vide email form anoenv.cha@Coalindia.in (For Oct-23 to March-24)

		<ul> <li>durgapurocwcl@gmail.com (For April-22 to Sept-22)</li> <li>Submitted on dtd. 06.06.2022 vide email form durgapurocwcl@gmail.com (For Oct-21 to March-22)</li> <li>Submitted on dtd. 30.11.2021 vide email form durgapurocwcl@gmail.com (For April-21 to Sept-21)</li> </ul>
(k)	Miscellaneous	
(i)	marked to concerned panchayat/local NGO, if any, form whom	A copy of clearance letter was marked to Sarpanch, Durgapur Gram panchayat& Sinhala Gram Panchayat, Dist-Chandrapur vide WCL/CHA/AGM/ENV/698 dtd: 17.11.2017, copy enclosed as (Annexure-M)
(ii)	letter shall be marked to the concerned State pollution Control Board, Regional office, District Industry Sector and Collector's	An Electronic Copy of the EC letter was duly emailed to the concerned State Pollution Control Board, Regional office, District Industry Sector and Collector office via email id: prashantthaker208@gmail.comdtd: 19.11.2017, copy enclosed as (Annexure-N). Same has been sent in hard copy vide letter WCL/CHA/AGM/ENV/698dtd: 17.11.2017.
(iii)	EC condition shall also be uploaded by the project authorities	<ul> <li>The EC letter uploaded on the company website www.westerncoal.nic.in</li> <li>Six Monthly EC Compliance is being regularly submitted to the Regional Office of MoEF, Nagpur.</li> <li>Details of Last submitted Report: <ul> <li>Submitted on dtd. 01.07.2024 vide email form anoenv.cha@Coalindia.in (For Oct-23 to March-24)</li> <li>Submitted on dtd. 01.02.2024 vide email form anoenv.cha@Coalindia.in (For April-23 to Sept-23)</li> <li>Submitted on dtd. 16.07.2023 vide email form anoenv.cha@Coalindia.in (For Oct-22 to March-23)</li> <li>Submitted on dtd. 12.11.2022 vide email form durgapurocwcl@gmail.com (For April-22 to Sept-22)</li> <li>Submitted on dtd. 06.06.2022 vide email form</li> </ul> </li> </ul>

(iv)	newspapers widely circulated, one of which shall be in the	Advertisement of EC was published in the following newspapers:  1. The Hitvada (English) Dated 19.11.2017  2. Chandrapur Samachar (Marathi) Dated 19.11.2017
(v)	March in Form-V is mandated to be submitted by the PP for the concerned State Pollution Control	The Environment Statement for the financial year 2023-24 has already been submitted online on MPCB (Maharashtra Pollution Control Board) Portal vide MPCB-ENVIRONMENT_STATEMENT-0000073538 dtd: 28.09.2024 and the same has been uploaded on WCL Website.
5	The Proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. The commitments made by the project proponent to the issues raised during public hearing shall also be implemented by the proponent.	Agreed and being complied
6	The proponent shall obtain all necessary clearances/ approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Agreed
7	Environment Audit cell with the responsibility and accountability	An Environment Cell already exists at the project level, Area Level and Corporate level.  At project level, the Environment Cell consists of a Nodal

	EC conditions.	Officer (Env) and is headed by Sub-Area Manager. At Area level, the cell is headed by GM (Operations) and is assisted by Area Nodal Officer (Environment) who report directly to the Area General Manager.  At corporate level, the Environment Cell consists of an elaborate team led by GM (Environment) which reports to Director Tech (Projects &Planning)
8	Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this EC and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
9	The above conditions will be enforced inter-alia, under the provisions of the water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court Law relating to the subject matter. The project proponent shall ensure to undertake and provide for the costs incurred for taking up remedial measures in case of soil contamination, Contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.	Agreed
10	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted

SAE (Civil) DOC SA Mine Manager DOCM

SAM DOCSA