

SUB: Executive Summary on Systemic improvement suggestions w.r.t. study on Amalgamation/Clubbing of small area and feasibility of closing of loss making mine.

Ref: MoC minutes of meeting with CVOs issued vide F.No. 32022/2/2020-Vig. Dated 13.01.2022

A quarterly review meeting of all CVOs of CIL/subsidiary was held with JS CVO under the chairmanship of Secretary Coal on 10.01.2022. One of points recorded in the minutes was with respect to study the feasibility of clubbing small areas and feasibility of closing down loss making mines as system improvement measures. The pars 6 (vii) of the minutes in reference to it is reiterated below within quotes.

“Some AGMs have very small jurisdictions. It has been observed that a lot of wastage takes place by having multiple Areas with discretion vested in a number of GMs. In order to curb wastage and enhance efficiency, a committee headed by CVO of the concerned PSU may go into justification of having so many Areas with low levels of coal business. The Committee will study the jurisdictions of areas under the AGMs of respective coal company and give suggestions if some smaller areas could be clubbed. Some mines are continuously running in losses, and the Committee will also study the feasibility of closing down loss making mines. Studies would be undertaken by the CVOs in consultation with Management concerned as a system improvement measure.”

The above subject for amalgamation of mines/area and closure/revival of loss-making mines are technical/administrative and policy related matter. However, as systemic improvement study and also as directed above, the study was done in consultation with management by forming a committee of senior officials and experts of WCL including officials from Vigilance by CMD WCL.

The committee included GM(UG), GM(Prod.), CM(Project & Planning) from WCL HQ apart from GM(Vig/Min) and CM(Vig/Min) from Vigilance. The committee has studied and deliberated on both the issues of amalgamation of areas and loss-making mines in detail in the enclosed report. The details mentioned in the committee report enclosed will not be



reiterated here, however, the salient points and observations are being mentioned below by undersigned along with specific recommendations as systemic improvement measures for appropriate action as deemed fit by management. The copy of the same along with the committee report is also being sent to MoC in reference to letter under reference.

Areas headed by Area General Manager in WCL and Feasibility of clubbing:

The areas as on 31.03.2022 with some salient details are as under.

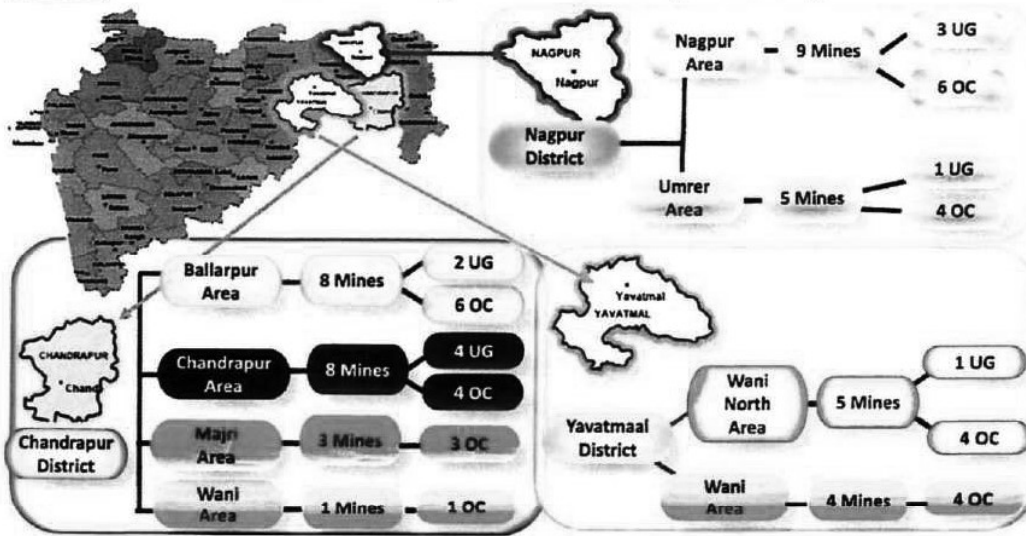
Area	State	Year of Formation	No. of Sub Area	UG Mines	OC Mines	Total Mines	Production in 2021 (Lakh Te)	Production in 2022 (Lakh Te)
BALLARPUR	MH	1988	4	2	6	8	67.25	66.52
CHANDRAPUR	MH	1973	4	4	4	8	37.11	40.70
MAJRI	MH	1992	2	0	3	3	40.51	60.09
NAGPUR	MH	1983	5	3	6	9	69.32	86.67
UMRER	MH	1995	3	1	4	5	97.42	103.51
WANI	MH	1986	3	0	5	5	125.05	157.61
WANI NORTH	MH	1996	3	1	4	5	35.70	32.28
KANHAN	MP	1975	2	2	1	3	9.25	7.02
PATHERKHEDA	MP	1978	4	5	0	5	12.89	11.06
PENCH	MP	1973	4	4	3	7	8.07	11.63
WCL Total			34	22	36	58	502.57	577.08

There are 10 areas headed by Area GM in WCL as above, with 7 in MH state and 3 in MP state. It is learnt that there is no specific criteria or norm available for defining an area as also can be seen from the above table of production figures or even adjacency of these areas on location map. If we further observe from year of formation of these areas, though most of the areas are old, few have been formed later and carved out from some of the then existing areas. From above table it can be easily seen that there is an area with annual production of 125 Lakh Ton as well as annual production of less than 10 Lakh Ton. If we further see the maximum distance between mines in an area, it varies from 22 Kms to 75 Kms. The areas with numbers of mines are illustrated in map below.

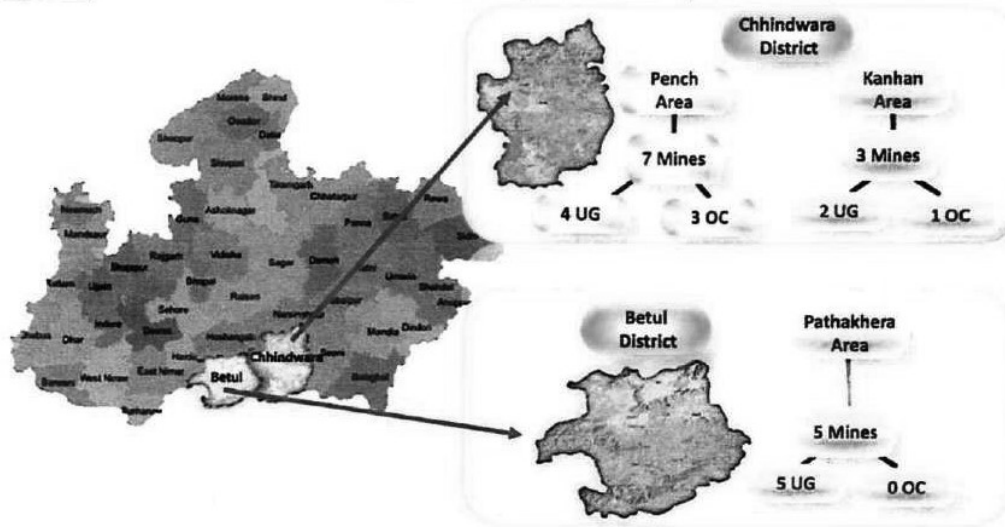




Location Map: Maharashtra (43 Mines)



Location Map: Madhya Pradesh (15 Mines)



Therefore, there has to be a standard mechanism/norm/policy to define area. In absence of so, it will be on interpretation of individual which may vary from time to time. The committee has deliberated in length and proposed to merge Kanhan area with Pench, except Tandsi mine of Kanhan area which has been recommended to be merged with Patherkheda area.

It is recommended to amalgamate these two areas (Pench & Kanhan) as proposed by the committee. The committee has also worked on modalities for its merger in detail in annexure-I of the committee report.

The committee also deliberated about possible merger of Majri area with Wani North and Chandrapur Area with Wani or Ballarpur. However, the committee ruled out the merger of Majri with Wani North considering expansion plans of these two areas in future and did not find it appropriate to consider merger of Chandrapur area with Wani or Ballarpur considering expansion plan and geographical distance.

As it is policy matter, no separate recommendation is being made for these areas Majri, Wani or Wani North, however, same may further be technically examined to explore the possibility of having two areas out of these three areas, Majri, Wani and Wani North which are in close vicinity, for optimum utilisation of resources.

Analysis of Loss-Making Mines and feasibility of closing or continuing options:

Based on cost sheet of FY 21-22, the mines in profit and loss in WCL are as below.

PARTICULARS	UG	OC	TOTAL Mines
PROFIT MAKING MINES	0	21	21
LOSS MAKING MINES*	22# + 2	14	38
TOTAL MINES	24*	35**	59

22 Cost Centres. (Saoner UG has three mines with one cost unit)

** Inder UG to OC and Kamptee OC are merged as Inder Conversion OC as one unit in Cost Sheet.

The above table shows that more than 70% mines of WCL are running in loss which include 100% UG mines and more than 50% OC mines. The situation is alarming at first instance. Most of the UG mines are in loss of more than even 50 Crore per annum. The technical aspect of reason of loss etc. is not being reiterated here as the committee has deliberated in length about reason of loss along with the coal reserves available for mining and possible options of



revival in case of appropriate coal reserves if any. Management has to take a call on it being purely technical matter. However, some of the issues which has emerged from the report are as under and policy decision is required on these aspects.

In respect of open cast mines, 14 mines out of 35 mines have reported loss. It was also found that 3 OC mines reported loss in 21-22 whereas these were in profit in 20-21. Similarly, there are 5 mines where are found converted to profit mines in 21-22 in comparison to 20-21. On analysis of the same (Annexure-A.1), it is observed that primary reason of 4 out of 5 mines converting into profit is increase in production, whereas decrease in production and OBR adjustment were reasons for loss. Considering this the committee was asked to calculate the breakeven point i.e. minimum production required from each mine to obtain profit considering all other parameters particularly fixed cost same for entire year. The breakeven point calculation for 14 loss making OC mines are attached at Annexure-A.2. The EC capacity for extraction of coal and total coal reserve has also been added in sheet to have more clear view. The table in annexure A.2 shows that breakeven point production required is less than the EC capacity available in many cases and therefore appears feasible. Management may like to further examine it technically for needful in this regard.

The primary reason for losses in UG mines can be attributed to high cost of production which not only is contributed by huge manpower but also by very low production. The breakeven point for UG mines at Annexure A.3 shows that the production required in the same circumstances to make the mine profitable appears non-feasible in almost all cases.

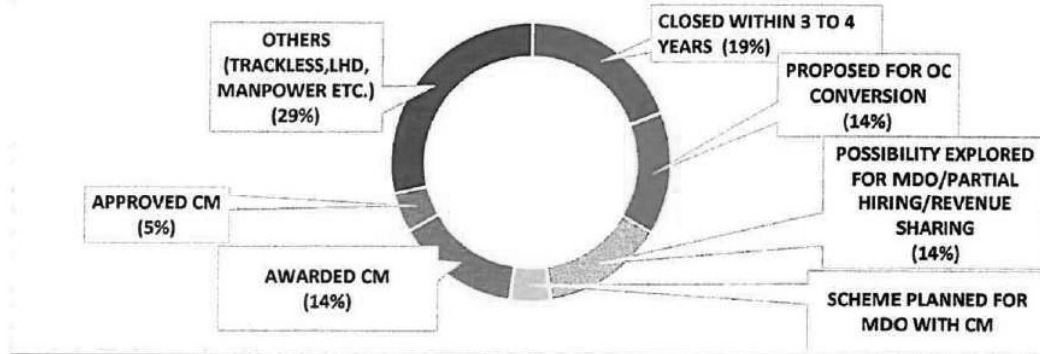
Therefore, the loss making mine either has to be examined for closure or ways and means need to be explored to minimise the losses either technically with departmental manpower or by outsourcing completely or a combination of both or even converting it to open cast mines wherever feasible, considering coal reserves available.

The committee has technically examined each UG mine, classified in three categories of loss more than 100 Crore, loss between 50-100 Crore and mines with loss less than 50 Crore along with mines where technical upgradation is feasible for enhancement



of production, or some kind of outsourcing is better option. One of the charts made by the committee for underground mines with proposal is reproduced below.

SUMMARY OF PROPOSED ACTION PLAN : LOSS MAKING UG MINES



A policy however in this respect need to be framed by management taking the recommendations made by the committee into consideration, for appropriate action, such as closure of mine/technical upgradation of mine to enhance the production/conversion to OC/outsourcing of the mine and same needs to be worked upon. Along with this, possibility of utilising the manpower elsewhere or with any VRS scheme also needs to be examined.

It is seen that there are mines with surplus staff, whereas mines are also seen with requirement of staff. This needs to be examined and optimum utilisation of man power be done as per feasibility. This could also be attributed to gap in skill of manpower required and skill the manpower possess. One of the possibilities to address it, is by imparting suitable training etc. to these staff to upgrade the skill and utilise the services, not only effectively but also to avoid additional recruitment if so required if feasible.

(Amit Kumar Srivastava)

CVO WCL

WESTERN COALFIELDS LIMITED
FOR THE PERIOD 2021-22 vs 2020-21

Annexure A.1

MINES WHICH MOVED FROM PROFIT TO LOSS DURING 2021-22

SL NO	AREA	NAME OF MINE	MINE TYPE	PRODN (LT)		OBR (LCUM)		CURRENT RATIO		PROFIT/LOSS (₹ LAKHS)		REASONS
				21-22	20-21	21-22	20-21	21-22	20-21	21-22	20-21	
1	WANI	NEELJAI	OC	37.52	24.85	259.64	235.67	6.92	9.49	-4406.74	2963.31	Provisioning for OBR Adjustment increased by ₹112.75 Crs (66.08 Crs in 21-22 compared to (-)46.67 Crs in 20-21) due to decline in Current Stripping Ratio
2	NAGPUR	BHANEAGAON	OC	6.33	1.84	16.38	21.62	2.59	11.77	-1526.09	2232.69	Provisioning for OBR Adjustment increased by ₹82.64 Crs (52.14 Crs in 21-22 compared to (-)30.50 Crs in 20-21) due to decline in Current Stripping Ratio
3	WANI NORTH	K.PIMPRI EXTENSION	OC	5.11	11.35	58.23	71.81	11.39	6.33	-545.73	2874.21	Due to decrease in Coal Production by 6.24 LT and despatch by 3.56 LT

MINES WHICH MOVED FROM LOSS TO PROFIT DURING 2021-22

1	WANI NORTH	UKNI	OC	15.00	15.38	98.86	111.03	6.59	7.22	22910.57	-2836.73	Despatch of the mine improved from 6.76 LT in 20-21 to 24.12 LT in 21-22 leading to profits in 21-22.
2	PENCH	URDHAN	OC	5.01	0.29	19.99	6.11			1179.37	-3167.54	Due to increase in Coal Production by 4.72 LT and despatch by 3.88 LT
3	WANI NORTH	JUNAD	OC	7.39	3.33	54.84	14.09			1521.56	-1168.36	Due to increase in Coal Production by 4.06 LT and despatch by 1.36 LT. Sales Realisation improved too
4	MAURI	NMOC IA & IIA	OC	16.67	10.69	129.96	52.86	7.80	4.95	2986.47	-3846.70	Due to increase in Coal Production by 5.98 LT and despatch by 3.08 LT. Provisioning for OBR Adjustment decreased by ₹76.59 Crs (-)64.49 Crs in 21-22 compared to 12.10 Crs in 20-21) due to improvement in Current Stripping Ratio
5	WANI	BELLORA/NAIGAON	OC	9.42	0.00	78.86	52.30			12119.61	-925.93	Last year production was Nil. This year 9.42 LT production & 5.15 LT Offtake was recorded.

PRODUCTION REQUIRED TO ACHIEVE BREAK EVEN POINT IN oc MINES : UPTO MARCH 2022										
S.NO	MINE	AREA	EC Capacity Lakh Te	Balance reserves in Lakh Te as on 01.04.2021	Dept Prod.(L.T) in FY 2021-22	BEP (LT)	Sales Prices per Te	Variable Cost per Te	Contribution per Te (Rs.)	Fixed Cost (Rs. Lakhs)
1	BHANEGAON OC	NAGPUR	11.5	221.3	0	4.11	2033.28	266.5	1766.78	7268.98
2	DURGAPUR OC	CHANDRAPUR	30	405.6	18.36	23.26	2088.67	768.02	1320.65	30721.61
3	PADMAPUR DEEP OC	CHANDRAPUR	25	141.8	1.9	75.48	1596.01	1455.18	140.83	10630.2
4	HLOC	CHANDRAPUR	10	58.7	0	2.81	3212.69	1570.1	1642.59	4610.23
5	GOURI OC(MERGED)*	BALLARPUR	12.5	50.1	9.44	15.67	1180.88	383.79	797.09	12490.25
6	B'PUR OC	BALLARPUR	6.3	24.8	2.65	18.26	1433.67	1066.83	366.84	6699.75
7	SASTI OC*	BALLARPUR	17	271.8	14.63	17.12	1858.91	523.74	1335.17	22863.6
8	POUNI II & III OC	BALLARPUR	32.5	243.1	0	11.74	1887.44	637.24	1250.2	14674.57
9	NEELJAI	WANI	45	384.1	37.52	41.94	1816.81	999.91	816.9	34259.82
10	GHONSA*	WANI NORTH	6	34.6	4.26	6.37	2778.62	820.07	1958.55	12474.3
11	KOLARPIMPRI EXTN	WANI NORTH	15	310.8	4.07	10.82	2067.5	1312.55	754.95	8166.67
12	NEW SETHIA	PENCH	5	3.4	0		1266.77	3326.64	-2059.87	4132.55
13	BARKUHI	PENCH	7.5		0	2.57	1412.62	273.32	1139.31	2924.05
14	MOHAN OC	KANHAN	10	3.6	0	4.92	1550.28	212.97	1337.31	6580.1

PROFIT MAKING MINES IN 2020-21 TO LOSS MAKING IN 2021-22 : BHANGAON/SINGHORI, NEELJAI II, KOLARPIMPRI OC

* Mines have expansion plan

Contribution Cost Per Te
Break even Point

Selling Price per Te- Variable Cost per Te
Fixed Cost/Contribution Cost per Te

S.NO	MINE	AREA	EC Capacity Te	Balance Te as on 01.04.2021	Dept Prod.		BEP (LT)	SPT (Rs. Lakhs)	Variable Cost per tonne	Contribution per tonne (Rs.)	Fixed Cost (Rs. Lakhs)
					(L.T)	FY 2021-22					
1	MURPAR UG	UMRER	2.8	19.5	0.72	4.26	2236.69	722.33	1514.36	6444.1	
2	SILEWARA	NAGPUR	5.5	14.45	0.78	16.97	1904.08	1222.78	681.3	11563.66	
3	P'SAONGI	NAGPUR	3	22.68	0.54	37.24	1653.18	1408.87	244.3	9097.7	
4	SAONER	NAGPUR	20	86.73	4.54	21.69	1888.78	416.98	1471.8	31921.67	
5	DRC UG	CHANDRAPUR	9.2	45.09	1.08	12.29	2282.09	1125.07	1157.02	14214.27	
6	MAHAKALI UG (MKC)*	CHANDRAPUR	4	15.86	0.29		2224.26	2910.82	-686.55	9601.38	
7	MANVA	CHANDRAPUR	7.6	10.93	0.73	3.91	2527.5	630.53	1896.97	7423.42	
8	MANDGAON	CHANDRAPUR		10.4	0.77	4.16	2669.95	858.12	1811.83	7539.1	
9	B'PUR UG	BALLARPUR	3.3	26.37	0.88	4.34	3710.22	985.19	2725.03	11831.62	
10	SASTI UG**	BALLARPUR	2.5	15.25	0.42	5.65	2904.85	1275.11	1629.74	9216	
11	BHANDEWADA/RAJUR	WANI NORTH	2.1	20.52	0.52	3.58	4105.08	1564.92	2540.16	9096.64	
12	MAHADEVपुरI	PENCH	2.5	16.37	0.82	10.68	1337.42	483.76	853.66	9114.76	
13	MATHANI	PENCH	4	12.5	0.73	6.97	1794.92	757.78	1037.14	732.45	
14	V'पुरI-II	PENCH	2.6	37.909	0.74	8.55	1814.88	620.87	1194	10206.7	
15	NEHERIYA	PENCH	5	28.85	2.52	13.26	2032.29	652.7	1379.6	18294.62	
16	MOHAN/MOURI	KANHAN	2.3	10.83	1.71	13.18	1494.5	405.38	1089.12	14350.12	
17	TANDSI	KANHAN	9	13.76	1.58	4.46	4281.17	574.24	3706.92	16538.73	
18	SHOBHAPUR*	PATHAKHERA		25.92	0.19	1.58	1945.28	785.48	1159.8	1833.8	
19	CHAT I	PATHAKHERA	10	20.3	3.34	10.05	1876.9	304.58	1572.32	15802.06	
20	CHAT II	PATHAKHERA		10.21	0.71	2.35	2642.79	366.97	2275.82	5349.77	
21	TAWA I	PATHAKHERA	8	27.51	3.28	9.09	2402.74	372.71	2030.04	18460.34	
22	TAWA - II	PATHAKHERA	6	21.123	3.53	8.25	2542.21	344.33	2197.89	18142.81	

* Mines Discontinued

** Mine converted to OC

Contribution Cost Per Tone

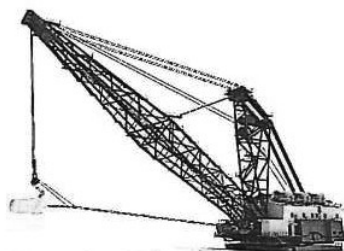
Break even Point

Selling Price per Te- Variable Cost per Te

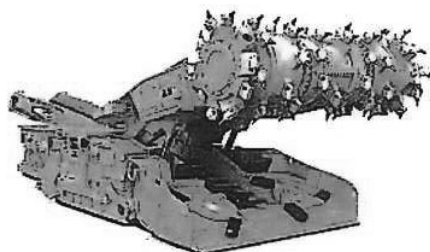
Fixed Cost/Contribution Cost per Te

WESTERN COAL FIELDS LIMITED

COMMITTEE REPORT ON



**AMALGAMATION OF SMALL AREAS
AND
REVIVAL OF LOSS-MAKING MINES**



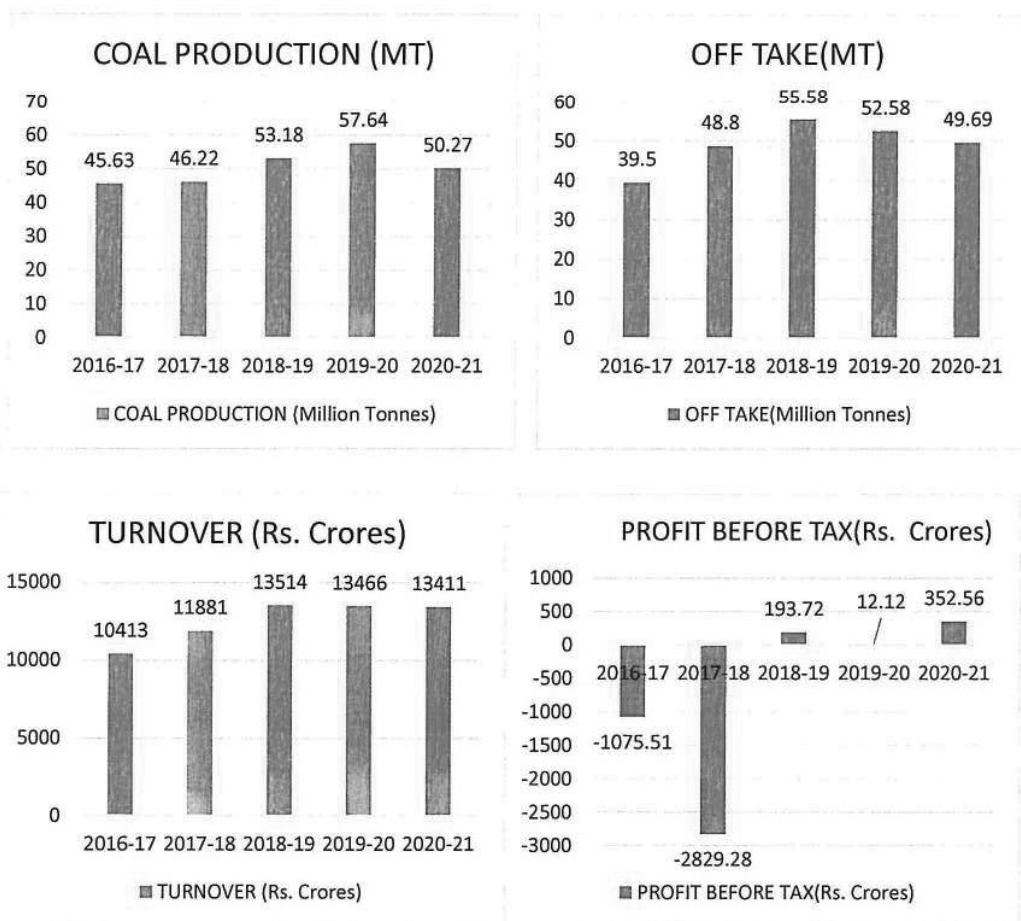
STUDY THE FEASIBILITY OF MERGER OF AREAS AND REVIVAL OF LOSS-MAKING MINES OF WCL: -

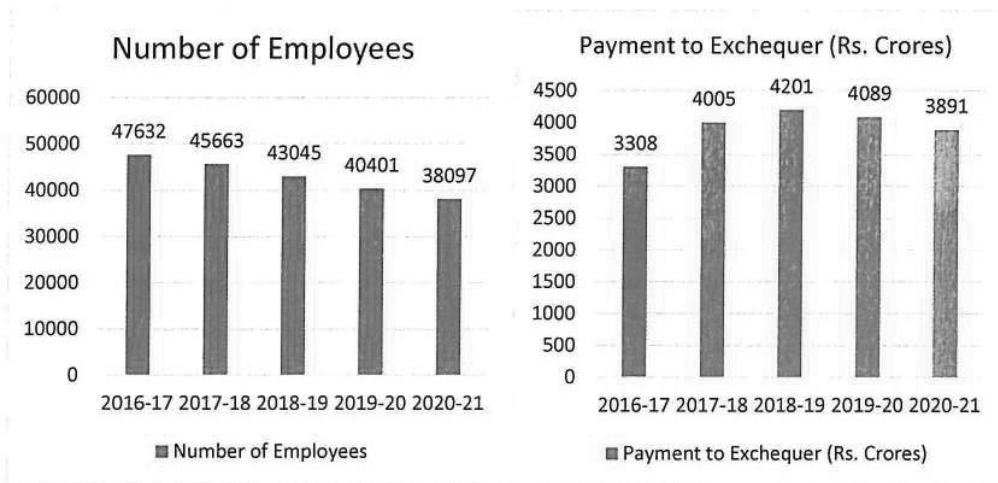
[A] HISTORY OF WCL :

Western Coal fields Limited is one of the eight subsidiary Companies of Coal India Limited (CIL) which is under the administrative control of Ministry of Coal. WCL has been conferred with "Miniratna" status on 15th March 2007. It has its operations spread over the states of Maharashtra (in Nagpur, Chandrapur and Yeotmal districts) and Madhya Pradesh (in Betul and Chindwara districts). The Company is a major source of supplies of coal to the Power and Non-Power industries located in Central and Western India in the states of Maharashtra, Madhya Pradesh, Gujrat and also in Southern India in the State of Karnataka. A large number of power houses under Maharashtra, Madhya Pradesh, Gujrat and Karnataka, Power Generating Companies are major consumers of its coal along with cement, steel, chemical, fertilisers, paper and brick industries in these states.

In line with the requirements of CIL's plans for 1.0 billion tonnes by 2024-25, WCL has revisited its earlier long-term projection and has set its goal to enhance output to 70MT by the year 2024-25.

The Physical and Financial Performance of WCL (5 Years) is as below: -





B] A committee has been constituted vide letter no. 357 dated 11.03.2021 comprising of the following members: -

1. Shri S.K.Jain GM(UG/Mass Production), WCL,HQ
2. Shri Alok Lalit Kumar GM(Prodn), WCL, HQ
3. Shri Anup Hanjura GM(Vig), WCL
4. Shri Shashendra Singh CM(Min)/(Vig), WCL
5. Shri V.M.S. Rao CM(Min)/(P&P), WCL HQ

1.0 **SCOPE OF WORK:** As directed the committee will study-

1.01 *The jurisdictions of areas with low levels of coal business and give suggestions if some smaller areas under the AGM's could be clubbed.*

1.02 *Study the feasibility of revival of the loss-making mines.*

2.0 The committee submits the proposal as per scope of work, based on the following:

2.1 The Committee did not consider the mine s abandoned/closed before 2020-21.

2.2 The calculations for loss are done on the basis of cost sheet for the year 2020-21 and comparisons are made on the audited cost sheet upto December 2021.

2.3 In line with the requirements of CIL's plans for 1.0 billion tonnes by 2024-25, the future production upto 2024-25 is projected with the following assumptions:

- a) Departmental Capacity considered on the basis of projections given in the respective PR/Scheme.

- b) Production of the reserves from the underground mines is considered up to 2024-25 except in case of exhaustion of reserves.
- c) The existing non-executive manpower is taken and anticipated taking superannuation into consideration from ERP data (as on 01.01.2022).
- d) Year wise likely generation of employment (as on 15.01.2022) against land acquisition of operating (existing/ongoing) and approved future projects also considering generation of manpower from two new projects i.e., Saoner UG expansion and Ballarpur NW. (Annexure III).
- e) The assessment of projection of manpower requirement of departmental/ Partial hiring projects has been done on the basis of projected production programme.
- f) The number of operating mines in the year 2020-21 and those projected based on the reserves and current level of production.

3.0 The meeting(s) of above constituted Committee under the chairmanship of Mr. S.K. Jain, GM(UG), WCL was held on 15.03.2022, 17.03.2022, 22.03.2022, 26.03.2022, 05.04.2022,12.04.2022, 02.05.2022 and deliberation was done on the criteria for merger of operating Areas of WCL and the strategy for Loss reduction in UG and OC Mines of WCL.

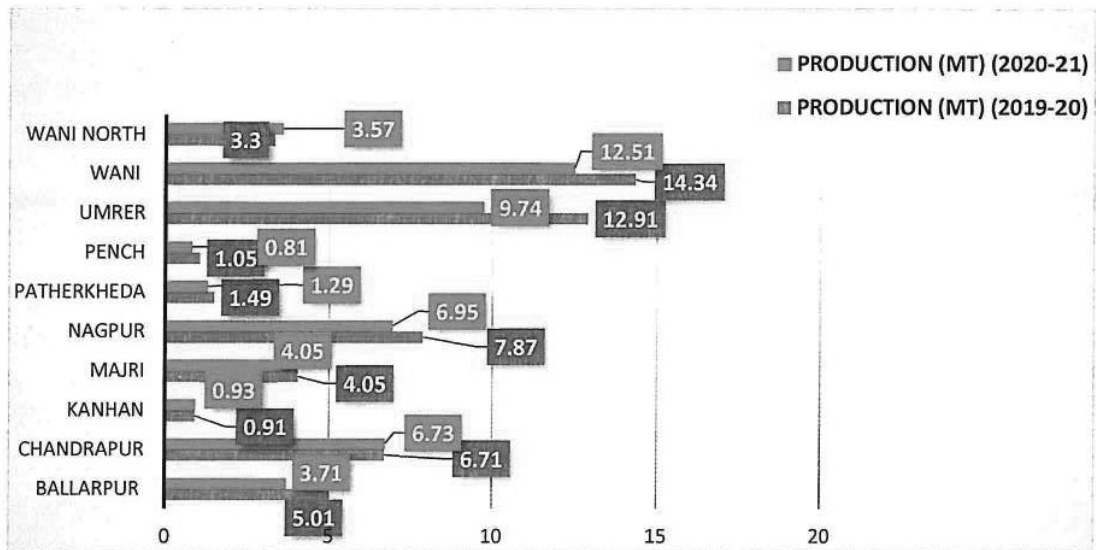
MERGER OF OPERATING AREAS OF WCL

The physical and financial figures and data relating for above study were taken and compiled from related departments by the committee members. Based on analysis of the facts and figures, the Committee deliberated the **criteria for the merger of Areas as under:**

1. Based on Coal business (Production and Dispatches and Revenue generated) in FY 20-21.
2. Based on number of operating Mines in FY 20-21 and FY 24-25.
3. Based on Variation in production in FY 20-21 & FY 24-25.

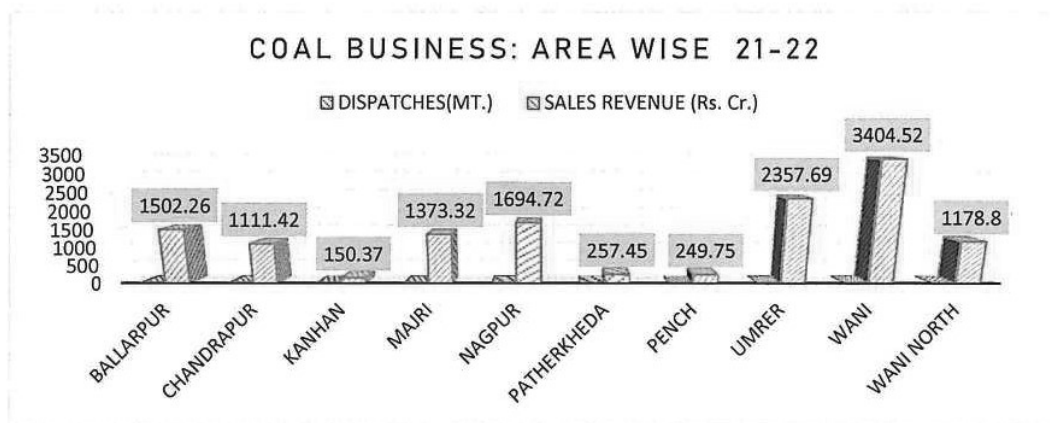
AREAWISE PRODUCTION AND MANPOWER: -(Table 1)

AREA	2019-20		2020-21		2021-22	
	Prodn. (MT)	Existing On roll Manpower (01.01.2020)	Prodn. (MT)	Existing On roll Manpower (01.04.2021)	Prodn. (MT)	Existing On roll Manpower (01.04.2022)
CHANDRAPUR	6.71	6123	6.73	5694	4.070	5228
BALLARPUR	5.01	4474	3.71	4634	6.652	4331
MAJRI	4.05	2079	4.05	2064	6.009	1950
NAGPUR	7.87	6128	6.95	5886	8.667	5593
WANI	14.34	3167	12.51	3717	15.761	3589
WANI NORTH	3.30	2881	3.57	2812	3.228	2712
UMRER	12.91	2414	9.74	2551	10.351	2468
PATHERKHEDA	1.49	4294	1.29	3765	1.106	3339
PENCH	1.05	3402	0.81	3275	1.163	3039
KANHAN	0.91	2434	0.93	2341	0.702	2149
TOTAL WCL	57.6	40401	50.3	38097	57.708	34149

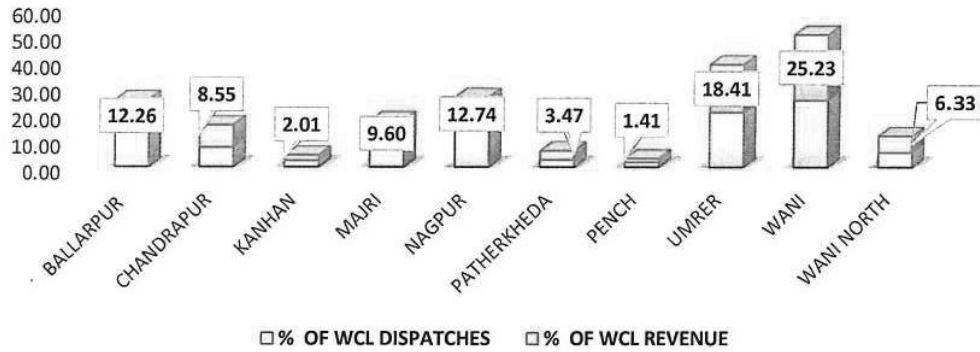


DISPATCHES AND SALES REVENUE GENERATED AS IN 2021-22 :(Table 2)

AREA	2019-20		2020-21		2021-22	
	DISPATCHES (MT)	SALES REVENUE (Rs.Cr.)	DISPATCHES (MT)	SALES REVENUE (Rs.Cr.)	DISPATCHES (MT)	SALES REVENUE (Rs.Cr.)
CHANDRAPUR	4.09	828.83	3.60	806.29	4.52	1111.42
BALLARPUR	5.83	1024.98	6.58	1155.99	7.49	1502.26
MAJRI	3.39	758.92	3.91	905.38	5.73	1373.32
NAGPUR	7.26	1185.46	6.83	1201.50	8.95	1694.72
WANI	12.41	2033.15	12.54	2379.35	18.17	3404.52
WANI NORTH	3.35	789.62	2.63	596.96	4.12	1178.80
UMRER	12.85	2112.01	10.23	1736.35	12.12	2357.69
PATHERKHEDA	1.48	350.45	1.29	327.14	1.12	257.45
PENCH	0.85	150.85	0.83	133.09	1.27	249.75
KANHAN	0.74	160.06	1.114	189.16	0.70	150.37
WCL	52.58	9394.32	49.69	9431.21	64.18	13280.30



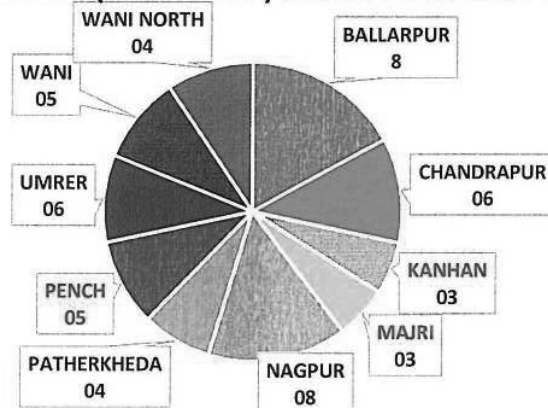
SALES REVENUE OF AREAS AS PERCENT OF WCL (20-21)



AREA WISE NUMBER OF PRODUCING MINES: -(Table 3)

AREA	2020-21			2021-22			2024-25		
	UG	OC	TOTAL	UG	OC	TOTAL	UG	OC	TOTAL
CHANDRAPUR	04	04	08	04	04	08	02	04	06
BALLARPUR	02	06	08	02	06	08	01	7	08
MAJRI	0	03	03	0	03	03	0	03	03
NAGPUR	03	05	08	03	06	09	03	05	08
WANI	0	05	05	0	05	05	0	05	05
WANI NORTH	01	04	05	01	04	05	01	03	04
UMRER	01	04	05	01	04	05	1	05	06
PATHERKHEDA	06	0	06	05	0	05	04	0	04
PENCH	04	04	08	04	03	07	03	02	05
KANHAN	02	02	04	02	01	03	03	0	03
TOTAL MINES	25	37	60	22	36	58	18	32	50

OPERATING (PROJECTED) MINES AS IN 2024-25



PROJECTED PRODUCTION IN 2024-25 VIS-À-VIS PRODUCTION IN 2020-21: (Table 4)

AREA	2020-21(MT)		2024-25(MT)		VARIATION	
	MINES	PRODUCTION	MINES	PRODUCTION	MINES(No.)	PRODUCTION %
CHANDRAPUR	07	6.73	06	5.595	-1	-16.86
BALLARPUR	08	3.71	08	13.685	-	268.87
MAJRI	03	4.05	03	6.75	-	66.67
NAGPUR	08	6.95	08	11.725	-	68.71
WANI	05	12.51	05	13.17	-	5.28
WANI NORTH	05	3.57	04	4.78	-1	33.89
UMRER	05	9.74	04	10.53	-1	8.11
PATHERKHEDA	05	1.29	04	1.68	-1	30.23
PENCH	06	0.81	05	1.69	-1	108.64
KANHAN	03	0.93	03	0.395	-	-57.53
WCL	55	50.3	50	70	-5	39.17

Committee deliberated on the data and arrived at the following area(s) to study the feasibility of merger:

1 Based on Coal business (Production, Dispatches and Revenue generated) in FY 2020-21.

Based on the statistics the following three areas contributed least -

- a) PENCH area.
- b) Kanhan area and
- c) Patherkheda area.

2. Based on number of operating Mines in FY 2020-21 and FY 2024-25-

Kanhan and Majri Areas will have 3 mines each in FY 24-25.

- a) Kanhan area.
- b) Majri area.

3. Based on Variation /Reduction in production in FY 2020-21 & FY 2024-25: -

As projected Kanhan Area shows 57% reduction and Chandrapur Area shows about 17% reduction in production in FY 2024-25 when compared to FY 2020-21.

- a) Kanhan area.
- b) Chandrapur area.

Based on the above data the committee reached to an opinion that it will study the feasibility of merger in these four areas namely- **Kanhan, Majri and Chandrapur Areas with adjoining Areas.**

1. Kanhan with PENCH & PKD Area
2. Majri with Wani(N) Area
3. Chandrapur with Wani/Ballarpur Area

1. MERGER OF KANHAN WITH PENCH & PATHERKHERA AREA:

- As per statistics, Kanhan Area had low Coal Business in 2020-21 and in future also (FY 24-25), it will have only 3 operating Mines and there is drop of 57.53% in projected production. It also, has lowest balance mineable reserves of all the areas (as on 01.04.2021). Thus, committee is of the opinion that Kanhan Area can be merged with Area by which it is geologically bound i.e., PENCH and Patherkheda Area.

- Of the three operating mines in Kanhan Area namely viz., **Tandsi UG, Mohan scheme (RCE) and Sharda UG.**
 - ✓ Tandsi will be the only producing mine of Kanhan Area during FY 2024-25 and beyond.
 - ✓ The extractable reserves of Mauri UG mine may be exhausted by FY 24-25 and
 - ✓ The Coal production from Sharda UG may be expected by FY 24-25.

The details of the three areas are as below: -(Table 5)

Area	2020-21			2021-22			2024-25	
	Production (MT)	Losses (Rs, Cr)	Manpower	Production (MT)	Losses (Rs, Cr)	Manpower Projected	Production (MT)	Manpower Requirement
			01.04.21 (Nos)			01.04.22 (Nos)		01.04.24 (Nos)-
Pench(PA)	0.81	(442.14)	3275	1.16	(438.53)	3039	1.69 (PA) + 0.19+ 0.045(KA) =1.925	3042+ 852(KA)
Kanhan (KA)	0.93	(204.52)	2341	0.70	(246.50)	2149	Nil (After merger)	337 (Colony & Hospitals)
PKD (PKD)	1.29	(264.64)	3765	1.11	(376.27)	3339	1.8(PKD) +1.60 (Tandsi)= 1.84	2311+ 600 of Tandsi
Total	3.03	(911.30)	9381	2.97	(1061.29)	8527	4.08	7142

Note-Production in 2024-25 of Mouri G & Sharda is considered in Pench Area & Tandsi Production is considered in PKD Area.

MINES OF PENCH AREA AND PROJECTED PRODUCTION – (Table 6)

SI. No.	NAME OF THE MINE / PROJECTS	Actual 20-21	21-22	22-23	23-24	24-25	Remarks/Constraints/Present Status
1	Mahadeopuri	0.068	0.100	0.110	0.100	0.100	Ongoing
2	Mathani	0.087	0.070	0.075			Exhaustion of extractable reserves.
3	Nehariya	0.220	0.290	0.300	0.300	0.300	Ongoing
4	Vishnupuri II	0.094	0.090	0.110	0.090	0.090	Conversion into OC
5	Jamuniya	-					Incline drivage is under progress.
6	Dhankasa	-					Incline drivage suspended as the combined RPR of Jamunia & Dhankasa is under preparation
7	Explo.of Patch Pench(Shivpuri, Sethia, Barkui) Chinda	0.309	0.208	0.105	0.460	0.500	Patch works and Exhaustion of extractable Reserves
8	Urdhan	0.029	0.500	0.600	0.600	0.700	Village rehab & Cost Plus Mine
9	Vishnupuri UG to OC						Land Acq, FC, Village Rehab & PWD Road diversion

MINES OF KANHAN AREA AND PROJECTED PRODUCTION – (Table 7)

Sl. No.	NAME OF THE MINE / PROJECTS	Actual 20-21	Actual 21-22	BE 22-23 (NEW)	23-24 (New)	24-25 (New)	Remarks/Constraints/Present Status
1	Mauri Scheme RCE	0.189	0.171	0.180	0.180	0.190	Exhaustion of extractable Reserves
2	Tandsi Expan. (Incl. Tandsi RPR)	0.181	0.157	0.090	0.090	0.160	On going, Drift drivage is in progress
3	Sharda		-			0.045	Incline drivage is under progress.
4	Ambara & other Quarry Patches (Kalyani, Vaibhavi, Mohan, Bharat)	0.555	0.373	0.130	0.180		Patch works and Exhaustion of Mineable Reserves

MINES OF PATHERKHERA AREA AND PROJECTED PRODUCTION – (Table 8)

Sl. No.	NAME OF THE MINE / PROJECTS	Actual 20-21	21-22	22-23	23-24	24-25	Remarks/Constraints/Present Status
1	Chatarpur II	0.070	0.070	0.070	0.060	-	Near exhaustion of extractable reserves.
2	Sarni (including D2 Dyke)	0.074	-	-	-	-	Exhaustion of extractable Reserves
3	Shobhapur	0.156	0.019	-	-	-	Exhaustion of extractable Reserves
4	Tawa Phase-I	0.370	0.330	0.330	0.360	0.360	One *LCCM awarded on per ton basis and preparatory activities for the same is under progress.
5	Chattarpur I (including Umri)	0.311	0.380	0.500	0.600	0.600	One LCCM Awarded on per ton basis and coal production is expected to commence by August 2022.
6	Tawa - II Expansion	0.308	0.457	0.600	0.660	0.660	Coal Production from one LCCM started since Nov 2021 along with departmental coal production from LHD machines.
7	Tawa -III	-	-	-	-	0.060	Land acquisition is under process. Proposal for incline drivage under process. PR under revisit for CM introduction.
8	Gandhi gram						Land acquisition is under process.

* LCCM-Low Capacity Continuous Miner

Establishments and manpower in Kanhan which needs to be rationalised:(Table 9)

Unit	Existing manpower as on 1.4.2022	Projected Manpower Requirement (1.4.24)	Remarks
Area hospital	64	59	Common services
Area office	182	100	Will be closed.
Area store	12	15	Will be closed.
Area Workshop	54	40	Will be closed.
Nandan Washery	40	25	Proposed to be closed.
Nandan-Damua Township	39	43	Common services
VTC	9	6	Will be closed.
Ambara Sub Area	45	23	Will be closed other than manpower in common services.
Total	381	311*	*Out of which 125 (in common services)

Recommendations/Conclusion:

- Tandsi mine is geographically near to Patherkhera Area and hence it is recommended to be merged with Pathakhera and will be under the command Area of AGM Pathakhera Area.
- Mauri Mine, Ambara & other quarry patches (Kalyani, Vaibhabhi, Mohan ,Bharat) along with upcoming Sharda UG project will be under the under the command Area of the Pench AGM as it is geographically nearer to Pench Area.
- The detailed modalities of merger are worked out and attached in **Annexure I**.

2. Merger of Majri with Wani(N) Area:

- Majri Area will have three operating Mines in FY 2024-25 viz., **New Majri Sector IA & IIA, Amalgated Yekona and New Majri Expansion UG to OC**. Of these Mines the reserves of New Majri Sector IA & IIA will be exhausted in 2024-25 (continued at the current level of production) and Majri Area will have **only two Producing Mines**. New OC project-Konda Hardola Mine is projected to start its operation subject to approval of its PR. **Shivani and Chinchala -Pisgaon Mines are under consideration**.
- **Wani(N) Area** is projected to have 4 operating mines with a positive growth of 33.69% in production upto 24-25 when compared with the production of 2020-21 and Majri Area is expected to increase production by 66.67%.

The details of the Areas are as under:(Table 10)

Area	2020-21			2021-22			2024-25	
	Production (MT)	Profit/(Loss) (Rs. Cr)	Manpower 01.04.21 (Nos)	Production (MT)	Profit/(Loss) (Rs. Cr)	Manpower As on 01.01.22 (Nos)	Production (Lakhs)	Manpower 01.04.2024 (Nos)
MAJRI (MA)	4.051	173.79	2064	6.009	372.59	1618	6.75	1896
WANI(N) (WNA)	3.570	(106.42)	2812	3.228	122.24	2491	4.78	2181
Total	7.621	67.37	4876	9.236	494.83	4109	11.53	4077

Note: The manpower requirement in 2024 shown in Majri Area head is for general services like hospital, offices, workshop etc. The Required manpower in the then existing mines (1382) is added in Wani(N) Area.

MAJRI AREA-MINES AND PROJECTED PRODUCTION (MT) (Table 11)

S.no	Name of the Mine	Actual 20-21	21-22	22-23	23-24	24-25	REMARKS
1	New Majri IA& II A Extn.	1.069	2.200	2.000	2.000	1.00	Exhaustion of Mine reserves
2	Amalgated Yekona I&II	1.100	2.200	2.500	2.750	2.750	Reserves upto 29-30
3	New Majri Expn UG to OC	1.882	2.000	2.000	2.010	3.000	Cost Plus Agreement pending with MAHAGENCO & land Acquisition.
	Total(M.TN)	4.051	6.400	6.500	6.760	6.750	

**Konda Hardola- PR under revisit.*

WANI NORTH AREA MINES AND PROJECTED PRODUCTION(MT):(Table 12)

S.no	Name of the Mine	Actual 20-21	21-22	22-23	23-24	24-25	REMARKS
1	Rajur UG	0.056	0.80	0.075	0.080	0.08	
2	Ghonsa RPR	0.508	0.500	0.500	0.600	0.0	Merged with Ghonsa Expn OC.
3	Junad Extn.	0.333	0.900	0.225	0.00	0.0	Exhaustion of Mineable reserves.
4	Kolarpimpri Extn.	1.135	0.600	1.500	1.500	1.50	
5	Ukni Deep	1.538	1.800	1.700	1.600	2.00	
6	*Ghonsa Expn OCM					1.200	PR approved; EC expansion is under process & land acquisition along with PWD Road diversion is in progress.
	Total(MT)	3.570	3.880	4.000	3.780	4.78	

Conclusion:

- In the year 2024-25, Majri Area will have two OC mines producing **6.75 MT** of Coal. One of the Mine (NMOC I & IIA Extn.) will be closed due to exhaustion of reserves and New Project-Konda Hardola Mine is expected after approval of PR. Hence, if the new OC project Konda Hardola is started, Majri Area will have 03 OC Mines. Majri Area is expected to increase its production by **66.67%**.
- When compared to the level of production in 2020-21 with 2024-25, Wani(N) Area is expected to increase production by **33.69%**.
 - Wani North Area is projected to come with five New Projects (PR of Ghonsa Expansion to OC is already approved), of which one UG(Borda) and four OC Mines are projected.
- Committee also deliberated on merger of mines with the nearest Areas i.e., Ukni OC Mine of Wani North Area with Wani Area.
 - The production capacity of Wani Area and its projected expansion in 2024-25(Penganga), makes it geographically huge and hence though UKNI OC of Wani North Area is adjoining mine of Neeljay OC, the committee rules out its merger with Wani Area considering the control distances of its Mines from Area Office located at Tadali.
- When compared to production of 2020-21 the Production capacity in 2024-25 of Majri Area is projected to increase by 66.67% and that of Wani North Area by 33.69%; and considering the expansion plans and upcoming projects in both the Areas, the Committee rules out merger of Majri Area with Wani(N) Area.

3. Chandrapur with Wani/Ballarpur Area:

- Based on the percent variation in the production when the current level of production is compared with that of projected production in 2024-25 Chandrapur Area is next only to Kanhan Area showing negative projected production of **16.86%**.
- Chandrapur Area is projected to have 6 operating Mines in 2024-25 namely viz., **Durgapur Rayatwari UG, Nandgaon UG, Durgapur Expansion Deep. OC, Padmapur Deep Extension, Hindustan Lalpet Expansion OC and Bhatadi Expansion OC.** Of these Mines, it is projected that only two UG mines will be operating in FY 2024-25. Padmapur Deep Expansion OC will exhaust reserves in FY 2024-25. Thus, with exhaustion of reserves in Nandgaon and Padmapur Deep Expansion, the Area will be left with **FOUR** Operating Mines with reduction in Production. Further Hindustan

Lalpeth Expansion OC is expected to exhaust its reserves in FY 2027-28. With no new projects in pipeline the Area will have only three operating Mines in FY 2027-28.

- Chandrapur Area is bounded by Ballarpur and Wani Area. As both Ballarpur Area and Wani Area have projected increase in production in the year FY 2024-25 as compared to FY 20-21 by 108 % and 5% respectively and the geographical extent of the area is huge; Hence, it will be not be appropriate for the committee to consider merger of mines of Chandrapur Area either with Wani Area or Ballarpur Area.

MERGER OF KANHAN AREA WITH PENCH AND PATHERKHERA AREAS

1. Name of the Area will be Pench-Kanhan Area after merger and Area GM Office will be at Parasia
2. Kanhan Area presently is having two Guest Houses. Out of these two, only VIP Guest House called Director Bungalow will function & another general guest house will be closed.
3. Barkui hospital will work as Area Hospital but the present Area hospital at Kanhan will also be maintained. As far as possible specialist should be kept in one hospital i.e., Barkui Area Hospital for better utilization of services & facilities. Dispensaries as far as possible should be kept to minimum.
4. Tandsi Sub-Area is nearer to Pathakhera Area when compare to Pench Area GM Office i.e., in Parasia. Hence, committee recommended Tandsi Sub Area will be under the administrative control of AGM Pathakhera Area. The committee is of opinion that Tandsi Sub-Area will benefit from the better workshop facility & culture of Mechanization of Patherkhera Area.
5. Nandan Washery, Datla, Damua, Nandan Sub Area & Ambara Sub Area will be in administrative control of Pench Kanhan Area (Proposed). Nandan Washery which has been already been discontinued should be closed and the Manpower can be better utilised in the Area Workshop of the Pench Area.
6. AGM Office of Kanhan Area, Area Store including Diesel Pump, Area Workshop, General Guest House, VTC will be closed. Pench Area establishments of the same nature will be kept in operation.
7. Hirdagarh siding & Palachouri siding will be continued to dispatch coal of Pench Kanhan Area Mines. Reorganising and closure of the sidings must be explored.
8. After closing of Kanhan Area establishment, some of the designated surplus manpower i.e., Executive & Non-executive may be gainfully utilized either in merged area or in WCL wherever required. However as per manpower budget 2021-22 (as on 01.01.2022) Pench & Kanhan Areas have surplus manpower as a whole whereas Patherkhera Mines has less than sanctioned manpower.
9. All the facilities of mobile nature will be utilized in other Areas of WCL including P&M items of area workshop & area stores of Kanhan Area
10. All other minor decision after approval of merger may be taken as per need and within the company guidelines with due approval of the competent authority.
11. All Records related to Kanhan Area statutory/ legal and other document will be kept & maintained as per laid down procedure of company in merged area office i.e., AGM Office at Parasia for future references.
12. The committee is of the opinion that posting of One Senior Officer to work as 'Estate Officer' at Kanhan Area to look after day to day legal & other issues including Town administration of Kanhan Area jurisdiction from Ambara Sub-Area to Nandan Washery & he will report to AGM Pench Kanhan Area. His establishment will be in Pench Area Office. However no new building will be constructed for the same.
13. The committee recommendation on merger of Pench & Kanhan Area permits for better control & administration.

Hence, after above recommendation of committee on Pench Kanhan Area Merger with transfer of Tandsi Mine to Patherkhera area, the overall scenario will be like this after merger of Pench & Kanhan Area.

Name of the Merged Area :- **Pench -Kanhan Area**
Office of AGM of merged Area :- AGM Office of Pench Area.
Closed Unit of Kanhan Area :- AGM Office, Area Store, Area W.S Diesel Pump & VTC.

Name of Units under

Administrative control of **Pench Kanhan** merged area :- AGM, Kanhan Area units/Sub-Area i.e,

Nandan Washery, Damua Nandan Sub- Area, Datla Sub-Area, Ambada Sub-Area, Hirdagarh Siding & Palachouri Siding, Area Hospital, VIP Guest House, Club & and other establishment situated in Kanhan Area not specified herein

Name of Units under

Administrative control of :-
Pathakhera Area

Tandsi Sub-Area.

Annexure III

Status of Non-Executive Manpower: -

The manpower mines which are to be closed will be gainfully utilised in other mines of WCL. The manpower status of Areas of WCL taking retirement into consideration is detailed as below: **Table 22**

Area	Existing manpower 01.01.22	Total retirement 31.03.26	Existing manpower 01.04.26	Projected requirement 2025-26	Shortage/ Surplus +/-	Total Land oustees generated Till 25-26	Shortage/ Surplus after F
	A	B	C=A-B	D	E=C-D	F	E+F
Chandrapur	5127	1747	3380	4283	-903	495	-408
Ballarpur	4190	1070	3120	2949	171	1397	1568
Wani	3389	648	2741	3123	-382	174	-208
Wani North	2568	604	1964	2158	-194	177	-17
Majri	1852	532	1320	1526	-206	913	707
Nagpur	5302	1398	3904	5759	-1855	955	-900
Umrer	2299	279	2020	1813	207	530	737
Patherkhera	3293	877	2416	2595	-179	19	-160
Pench	2964	589	2375	3283	-908	70	-838
Kanhan	2066	478	1588	1624	-36	0	-36
Dept. Coal transportation				90	-90		-90
CU+HQ	1099	246	853	1030	-177		-177
WCL Total	34149	8468	25681	30233	-4552	4730	178

TO STUDY THE FEASIBILITY OF REVIVAL OF LOSS-MAKING UG MINES

2.0 STATUS OF THE COMPANY (As per FY 2020-21 Cost sheet):

2.1 The collection and study of data is based on the cost sheet for FY 2020-21, Accordingly, there are 60 cost units, which are maintained as per Accounting Record Rules. In these cost units, 23 mines are UG and 37 Mines are Opencast.

Table 12

PARTICULARS	UG	OC	TOTAL
PROFIT MAKING MINES	0	18	18
LOSS MAKING MINES*	23# + 2	19	44
TOTAL MINES	25*	37	62

#23 Cost Centres (Saoner Group treated as one unit) * Saoner Group mines taken as separate units

2.2 There is difference in the number of mines and cost units due to the fact that cost sheets are required to be prepared even if the mine is temporarily suspended with statutory maintenance job.

2.3 Expenditure wise performance of 60 Cost units (2020-21) (Table 13)

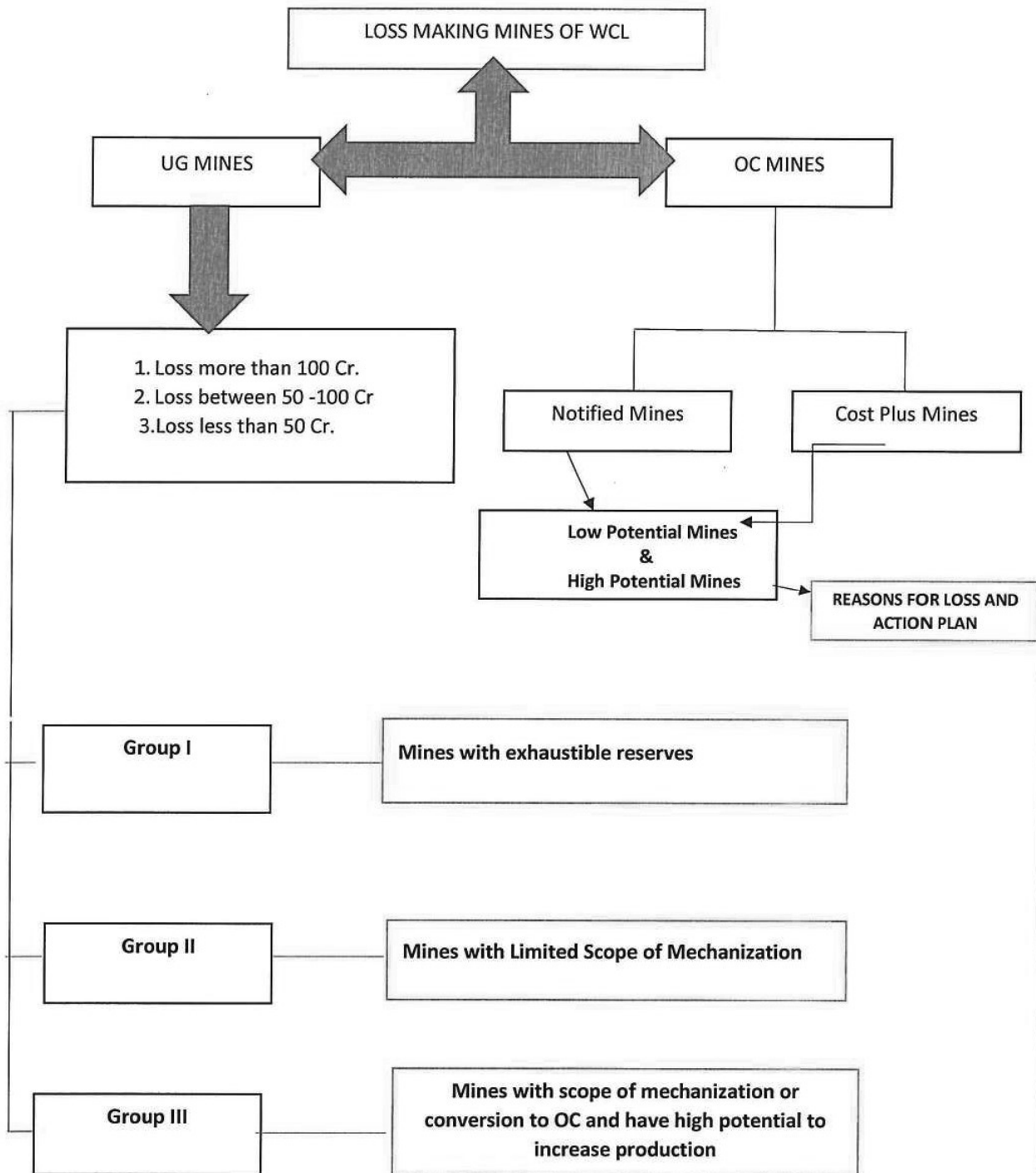
Type of Mines	No. of Cost Units	Manshifts (Lakhs)	Production (MT)	Total Salary (Rs.Cr.)	Cost of Production (Rs.Cr.)	Sales Revenue (Rs.Cr.)	Profit/(Loss) (Rs.Cr.)
UG	23	36.46	3.402	1729.83	2660.25	757.77	(1860.78)
OC	37	47.51	46.854	2244.90	7091.72	8675.43	2047.94
Total	60	83.97	50.256	3974.73	9751.97	9431.20	187.16

2.4 PERFORMANCE OF UG AND OC MINES:(Table 14)

	Description	UM	Underground	Opencast
Profit Making	No. of Mines	(No.)	0	18
	Manshifts	(Lakhs)	0	25.24
	Production	(MT)	0	36.254
	Profit/Loss	(Rs.Cr.)	0	2712.29
Loss Making	No. of Mines	(No.)	23	19
	Manshifts	(Lakhs)	36.46	22.27
	Production	(MT)	3.402	10.601
	Profit/Loss	(Rs.Cr.)	(1860.77)	(664.35)

2.5 All UG mines are in losses and 19 OC Mines are in loss as per the cost centre data FY 2020-21.

2.6 The Study of loss-making mines, for ease of analysis, were categorised as below:



LOSS MAKING UG MINES

a) UG Mines with loss more than 100 Crores:(Table 15)

S.no	Name of the Mine	Area	Total Loss (Rs.Cr.) FY 20-21	Total Loss (Rs.Cr.) FY 21-22	STATUS
1	Saoner 1,2,3	Nagpur	(225.94)	(252.22)	Producing
2	Nehariya	Pench	(145.12)	(147.90)	Producing
3	DRC	Chandrapur	(126.98)	(131.29)	Producing
4	Mahakali	Chandrapur	(107.18)	(97.50)	Non-Producing
5	Ballarpur 3&4	Ballarpur	(101.83)	(93.61)	Producing
	TOTAL		(707.06)	(722.52)	

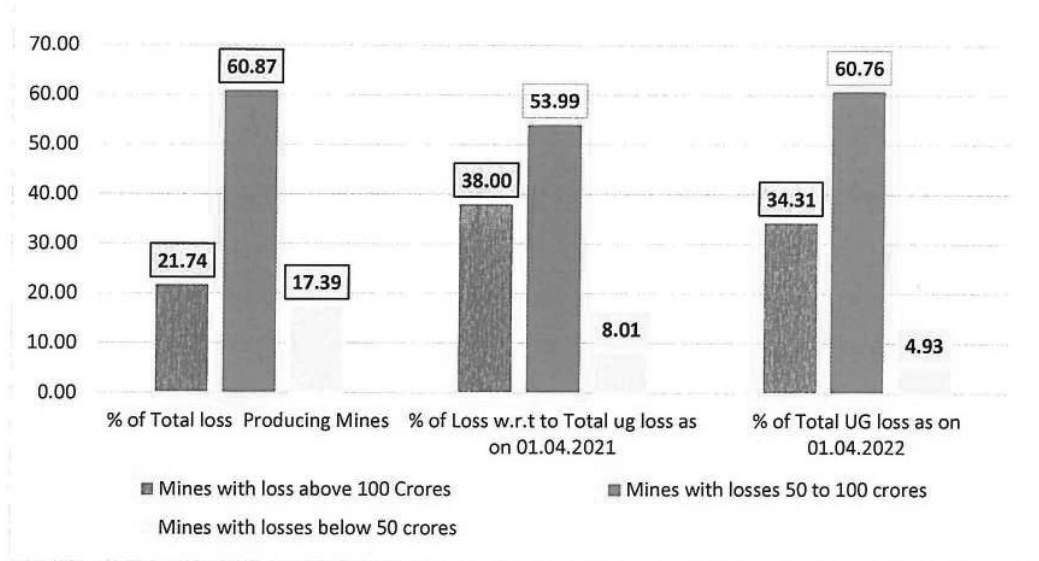
b) UG Mines with loss is more than 50 crores and less than 100 Crores: (Table 16)

S.no	Name of the Mine	Area	Total Loss (Rs.Cr.) FY 20-21	Total Loss (Rs.Cr.) FY 21-22	STATUS
1	Silewara	Nagpur	(97.73)	(110.30)	Producing
2	Mohan/Mauri	Kanhan	(90.91)	(124.48)	Producing
3	Sasti	Ballarpur	(80.30)	(84.42)	Non-Producing
4	Vishnupuri II	Pench	(76.48)	(93.27)	Producing
5	Tandsi	Kanhan	(76.27)	(106.37)	Producing
6	Bhandewada	Wani North	(74.65)	(78.36)	Producing
7	Mahadeopuri	Pench	(73.66)	(83.82)	Producing
8	Patansaongi	Nagpur	(70.46)	(89.73)	Producing
9	Mana	Chandrapur	(69.03)	(59.87)	Producing
10	Nand Incline	Chandrapur	(68.47)	(61.35)	Producing
11	Mathani	Pench	(61.20)	(64.34)	Producing
12	Chattarpur I	Patherkhera	(58.21)	(104.42)	Producing
13	Tawa II	Patherkhera	(53.96)	(101.91)	Producing
14	Tawa I	Patherkhera	(53.26)	(116.91)	Producing
	TOTAL		(1004.62)	(1279.55)	

c) UG Mines with loss less than 50 crores: (Table 17)

S.no	Name of the Mine	Area	Total Loss (Rs.Cr.) FY 20-21	Total Loss (Rs.Cr.) FY 21-22	STATUS
1	Murpar	Umrer	(49.88)	(50.88)	Producing
2	Sobhapur	Patherkhera	(40.03)	(16.07)	Non-Producing
3	Sarni	Patherkhera	(33.13)	(0.00)	Non-Producing
4	Chattarpur II	Patherkhera	(26.05)	(36.96)	Producing
	TOTAL		(149.09)	(103.90)	

(Detailed sheet attached as Table No. 28)



Reasons for Loss in the UG Mines are enumerated Mine wise as below: -(Table 18)

LOSS MAKING UG MINES OF WCL AS PER COST SHEET FY 2021-22			
Sl. No.	AREA	Name of the Mine/Project	Reasons of loss
1	CHANDRAPUR	Mana Incline	Mine retreating. Non availability of working patch, property on the verge of exhaustion
2		Nandgaon Incline	Mine retreating. Non availability of working patch, property on the verge of exhaustion
3		Durgapur Rayatwari RPR	Limited scope for production enhancement, Water logged & Deep-seated reserves, stowing constraints, working in thick and fiery seam. Mine is having low grade coal.
4		Mahakali	Production discontinued during FY 2021-22 due to Safety and economic unviability. The balance reserves in the mine as on 01.04.21 is 5.862 MT
5	BALLARPUR	Ballarpur RO	Techno-economic reasons-strata control problem due to shaly roof, stowing constraints, working in thick and fiery seam, lengthy transport circuit.
6		Sasti RO	Production discontinued during FY 2021-22 due to conversion to OC Mine as Dhoptala OC. The balance reserves in the mine as on 01.04.21 is 5.245 MT
7	WANI NORTH	Rajur (Incl. RO)	Adverse Geo-mining Conditions such as poor roof conditions, high percolation of water from roof, soft floor etc. long travelling and hauling distance(>4.5KM), only development workings and mine is having low grade coal.
8	NAGPUR	Silewara Ph-II	Less scope for production enhancement, Adverse geo-mining conditions such as poor roof condition, high percolation of water, soft floor, steep working gradient and circuitous coal evacuation system from mine to surface, property below railway land, SDL/Coal tubs combination working. Mine is having low grade coal.
9		Patansongi RPR (Patansongi Sch.)	Adverse geo-mining conditions such as poor roof condition, high percolation of water, soft floor Less scope for production enhancement, High make up of water, steep working gradient and circuitous coal evacuation system from mine to surface, property below railway land, SDLs working mine. Mine is having low grade coal.

10		Saoner-I	Non availability of working patch for development, only development working, PR for introduction of 2 no. of SHCM has been approved. Mine is having low grade coal.
11		Saoner-II	Limited working patch for working due to sudden encountering of downthrow fault towards western sector of mine. Depillaring is not possible due to non-availability of surface right of land. Mine is having low grade coal.
12		Saoner-III	Depillaring is not possible due to non-availability of surface right of land. Mine is having low grade coal.
13	UMRER	Murpar	The working area of this mine come under Eco-sensitive Zone (ESZ) of TATR, Chandrapur. The future working of this mine is subjected to NOC granted by Wildlife Dept. for which application has been submitted online from Area, Only development working with adverse geo-mining conditions. Mine is having low grade coal.
14		Shobhapur	Exhaustion of extractable reserves during FY 2021-22 & production discontinued. The balance reserves in the mine as on 01.04.2021 is 0.12MT.
15		Tawa Phase-I	Most of the working is in thin Bagdona seam (1.8-2.0m) working, shortage of man power, Contract for introduction of 1 no. of LHCM has been finalized and work order issued.
16	PATHAR KHERA	Tawa -II Expansion	The contract for coal production from CM Technology was awarded and from CM Panel production started along with production from departmental LHD machines, Teething Trouble of CM (Electrical tripping of machines while in operation) lead to poor performance of CM m/c. Shortage of working space for the deployment of machines till diversion of Forest land, shortage of man power,
17		Chattarpur I (including Umri)	Scheme for CM introduction on hire basis (per Te.) awarded and activities for the same is under progress. Techno-economic reasons-Encountering of faults/Dyke in the working districts., shortage of manpower,
18		Chatarpur II	Steeply dipping seams working with SDLs, nearly exhaustible reserves, may last for 1-2 years.
19		Sarni	Exhaustion of Reserves Mine discontinued production FY 20-21. The balance reserves in the mine as on 01.04.21 is 4.4 MT Which are blocked under surface features not belonging to the owner of the mine.
20		Mahadeopuri	Reorganisation of districts from II(A+B) seam to IC Seam by LHD loading, Mine is having low grade coal.
21	PENCH	Vishnupuri II	Adverse geo-mining conditions such as poor roof condition, high percolation of water, soft floor, sudden encountering of geo-logical disturbances in the working, PR for Conversion to OC has been approved and activities for acquisition of land is in progress. Mine is having low grade coal.
22		Mathani	Non-availability of working patches due to low incubation period of degree-II mine, OC PR prepared along with Thesgora UG but is unviable at present, the mine working may last for 2-3 years. Mine is having low grade coal.
23		Nehariya	Techno-economic reason-Adverse geo-mining conditions such as poor roof condition, high percolation of water, soft floor, efforts are being made to increase coal production with LHD machines in this mine. Mine is having low grade coal.
24	KANHAN	Mauri Scheme RCE	The Mohan colliery having basalt/ Deccan trap of thickness up to 170 m creating front abutment pressure resulting into no. of roof and side falls, nearly exhaustible reserves. Limited scope for production enhancement, The mine having the history of spontaneous heating several times. Mine is having low grade coal.
25		Tandsi Expan. (Incl. Tandsi RPR)	Limited scope in present circumstances due to space constraints and improvement in production only after completion of drivage of 2 no. of drifts which is in progress for approaching north block of property having 3.0 M.T. reserves. Mine is having low grade coal.

Note: Mines of Saoner group considered separately

Categorization of Producing UG Mines of WCL based on their production potential and scope of Mechanization in mines – The present 21 No. of producing UG mines of WCL may be grouped into 3 groups as here under: -

(Table 18)

GROUP I	GROUP II	GROUP III
Mines with exhaustible reserves	Mines with Limited Scope of Mechanization	Mines with scope of mechanization or conversion to OC and have high potential to increase production
NANDGAON	SILEWARA	SAONER-1
MANA	SAONER 2	SAONER-3
CHATTARPUR-II	BALLARPUR 3& 4	PATANSAONGI
MOHAN/MAURI	DRC	MAHADEOPURI
	MURPAR	NEHARIYA
		TANDSI
		TAWA I
		TAWA II
		CHATTARPUR 1
		VISHNUPURI II (Conversion to OC)
		MATHANI (MDO/OC conversion with Thesgora proposed)
		RAJUR/BHANDEWADA
04	05	12*

(*4 Non-Producing Mines-MKC, Sobhapur, Sarni & Sasti RO are not considered and Saoner Mine 1,2 & 3 are considered separately).

(The details of all the above Mines are attached in Table 29)

GROUP I: Mines with exhaustible reserves: (Table 19)

Name of the mine	Balance Reserves (MT)	AAP TGT FY 21-22	ACHIEVED FY 21-22	Life Of the mine @of current levels of Production (Yrs.)	Loss 20-21	Action Plan
	01.04.21	'000 TN	'000 TN	01.04.21	Rs.Cr	
Nandgaon	0.93	75,000	73,165	7yrs	68.47	<ul style="list-style-type: none"> ➤ Nandgaon is a retreating mine & present layout is not amenable for running more than one section. ➤ The mine is producing less than targeted production due to non-availability of sand from river ghat for hydraulic sand stowing, due to restriction imposed by district authorities. ➤ After exhaustion of reserves the manpower may be shifted to other mines as per requirement for deployment of more machines.
Mana	0.40	65,000	73,165	—	69.03	<ul style="list-style-type: none"> ➤ Only 30,000 Te. coal is left for extraction during FY 2022-23 from the running section. Further extraction of balance reserves is feasible after

						<ul style="list-style-type: none"> ➤ completion of scientific study as discussed with DGMS Authority. ➤ However, the balance reserves cannot be extracted at higher production level due to safety issues. ➤ The last coal producing panel of the mine has been closed due to spontaneous heating on 28.06.2022.
Chattarpur-II	0.210	60,000	71,358	3.5 (Subject to scientific study)	26.05	<ul style="list-style-type: none"> ➤ The working of this mine may be discontinued in coming 2-3 years due to exhaustion of extractable reserves.
Mohan /Mauri	0.14	1,80,000	1,71,000	7	90.91	<ul style="list-style-type: none"> ➤ The reserve of nearly 14,00,000 Te. coal is left in Main dip which may be extracted in coming 7 to 8 years @ 2LTper yr. ➤ The mine is having a no. of sealed off panels with fire / spontaneous heating, thus posing difficulty in extraction of Coal at higher rate.
Total	1.449					

GROUP II: Mines with Limited scope of Mechanisation: (Table 20)

Name of the mine	Balance Reserves (MT)	AAP TGT FY 21-22	ACHIEVED FY 21-22	Life Of the mine @of current levels of Production (Yrs.)	Loss 20-21	Action Plan
	01.04.21	'000TN	'000TN	01.04.21	Rs.Cr	
Silewara	4.45	85,000	77,924	29	97.73	<ul style="list-style-type: none"> ➤ Due to high Stripping ratio no scope for conversion to OCM technology. ➤ Geological constraints limit the availability of more faces for production. ➤ Since it is having reserves of 4.450 MTN. including all the four seams, it may be considered to keep this mine for operation by Long wall technology is presently being studied by CMPDIL RI-IV.
Saoner 2	12.14	1,80,000	1,33,460	60 @0.25MT	-	<ul style="list-style-type: none"> ➤ Restricted development workings in the mine. ➤ After 2-3 years there won't be further scope of working in the mine, without acquiring surface land as per extant rules for carrying out depillaring operation ➤ OC conversion along with Saoner-I mine is not viable based on 12% IRR. ➤ In that case, the manpower from this mine may be deployed into nearby Saoner-III mine for production enhancement.
Ballarpur 3&4	16.37	1,10,000	87,845	19	101.83	<ul style="list-style-type: none"> ➤ Mine has been developed extensively by Bord and Pillar method of work. the workings have been developed contiguously in top and bottom section.

						<ul style="list-style-type: none"> ➤ The production from the mine is affected due to poor sand stowing rates which are required during depillaring operations and due to single return causing poor ventilation. ➤ To overcome ventilation issues, Scheme for providing an additional incline (6.0M X3.0M) at R.O. side has been initiated and is under scrutiny at WCL HQ. ➤ Surface has township almost throughout the property. Already one portion towards West side has been proposed for conversion to OC.
DRC	35.05	1,05,000	1,07,322	38	126.98	<ul style="list-style-type: none"> ➤ Surface land is under reserve forest on one side and dense habitation on the other. Hence OC conversion is not possible. ➤ Mass Production Technology (MPT) is not feasible due to steep gradient, thick -fiery seam. ➤ The coal production from this mine may be enhanced with the deployment of required manpower from other mines of the area and subsequently, the losses incurred/Te. may be reduced further.
Murpar	0.94	80,000	72,360	As per PR capacity of 0.28 MT the life is estimated to be 3-4 Years (Subject to NOC by Wild life Dept.)	49.88	<ul style="list-style-type: none"> ➤ The future working of this mine is subjected to NOC granted by Wildlife Dept. for which application has been submitted. ➤ Presently, production is from development workings with adverse geo-mining conditions. ➤ The liquidation of standing pillars of coal is not possible at present due to overlying Forest Land. Production enhancement by providing inputs and infrastructure may be done.

GROUP III: Mines with scope of mechanization or conversion to OC and have high potential to increase production: (Table 21)

Name of the mine	Balance Reserves (MT)	AAP TGT FY 21-22	ACHIEVED FY 21-22	Life Of the mine @of current levels of Production (Yrs.)	Loss 20-21	Action Plan
	(01.4.21)	'000TN	'000TN	01.04.21	Rs.Cr	
Saoner 1	11.71	1,60,000	2,05,000	12	-	<ul style="list-style-type: none"> ➤ The RPR for the introduction of Two No. of SHCM (Standard height continuous miner) with a capacity of 1.2MTPA on partial hiring option was approved in the 340th

						Board Meeting of WCL held on 31.01. 2022. The activities for the same are in progress to start coal production from CM by 2024-25 onwards.
Saoner 3	11.99	1,30,000	1,15,000	60@0.20MT	-	<ul style="list-style-type: none"> ➤ Non-availability of surface right on land for the liquidation of standing pillars, The shortage of manpower against the actual requirement for achieving the targeted production from these mines in coming years will be made by deployment of new workman employed against land acquisition in the area and / or from other areas of WCL. ➤ Possibility of deploying CM is being explored in this mine.
Patansaongi	12.68	65,000	53,518	41	70.46	<ul style="list-style-type: none"> ➤ Possibility of district/Mine working on Revenue sharing model is being explored. The proposal is under scrutiny at WCL HQ.
Mahadeopuri	3.90	1,00,000	81,627	15	73.66	<ul style="list-style-type: none"> ➤ To increase the production the requirement of major reorganization of the transport system and continuous transport system was introduced by belt mining with low height LHDs in the mine in conjunction with haulage transport system (present system). ➤ It may be proposed to establish complete trackless transport system upto surface and at the same time potential is being explored for introduction of CM.
Nehariya	7.08	2,90,000	2,51,989	20	145.12	<ul style="list-style-type: none"> ➤ Possibility of deploying Low-capacity CM in seams-II, Seam-III & Seam-IV for depillaring and development has been explored and found not to be compatible due to contiguous working of seams and other geological constraints. ➤ The mine has sufficient working patches in all the three working seams for the achievement of planned production

						<p>program in development and depillaring district by deployment of sufficient no. of LHDs machines. Efforts are being made to deploy some workmen from nearby mine/ area and to control unauthorized absenteeism during FY 2021-22.</p> <p>➤ Out sourcing of skilled jobs may be explored for enhancing production.</p>
Tandsi	3.76	1,40,000	1,57,000	18	76.27	<p>➤ Present production level of this mine is about 450 TPD which is from single panel left to be worked</p> <p>➤ Drifting work is taken to approach Virgin patch of nearly 3.36 MT where coal extractions has been planned by a scheme for introducing CM Technology with capacity 0.36 MT/YR.</p>
Tawa I	3.76	3,25,000	3,28,000	9	53.26	<p>➤ Presently the coal production from this mine is being done with the help of 10 No. of LHD machines loading on belt conveyor and most of the production is coming from development working of thin (1.5 to 1.8 mt. thickness) Bagdona seam. Now, the production from this mine has been approved with the deployment of 1 no. of LCCM and for which the contract on per Te. basis awarded. Thereafter, the departmental production of coal with LHDs will be phased out after 1 year time period from the start or production by CM. The peak production capacity of this mine has been proposed as 3.6 LTY. The surplus manpower as a result will be deployed in some other mines of the area as per requirement.</p>
Tawa II	5.62	5,45,000	3,52,806	7.8	53.96	<p>➤ The deployment of one LCCM in LWS on per Te. basis started in November'2021 along-with departmental coal production by LHD machines. The mine may produce nearly 6.0 Lac.Te.</p>

						per year along-with departmental coal production.
Chattarpur I	3.91	60,000	71,358	11	58.21	<ul style="list-style-type: none"> ➤ Presently the coal production from this mine is being done with the help of 10 No. of LHD machines loading on belt conveyor and most of the production is coming from development as well as depillaring working of LWS. ➤ Now, the production from this mine has been awarded to M/s. JMS Pvt. Ltd. with the deployment of 1 no. of LCCM and for which the development activities for the deployment of CM is in progress. ➤ The coal production from the Scheme for CM has been proposed from 2022-23 onwards. ➤ Thereafter, the departmental production of coal with LHDs will be phased out after 1 year time period from the start or production by CM. The peak production capacity of this mine has been proposed as 3.6 LTY. The surplus manpower as a result will be deployed in some other mines of the area as per requirement.
Vishnupuri-II	9.71	90,000	74,030	OC CONVERSION	76.48	<ul style="list-style-type: none"> ➤ Efforts are being made to obtain DGMS permission for extraction of coal by caving method as early as possible in order to enhance the coal production from this mine ➤ The PR of this mine for OC conversion has been approved and activities for the same are in progress.
Mathani	2.50	70,000	73,351	9	61.20	<ul style="list-style-type: none"> ➤ The extractable reserve of this mine is on the verge of exhaustion due to UG mining constraints. The mine has very limited scope for the enhancement in production and further reduction in losses in present circumstances.

						<ul style="list-style-type: none"> ➤ The mine has been proposed for OC conversion along with Thesgora Mine for which Draft PR by CMPDI RI-IV was prepared and is unviable at present notified price of coal. However, looking at the balance reserves and the current market scenario of increased demand of coal the same may be revisited at reduced IRR. ➤ Till then, it may be considered for operation by MDO mode/any contract mechanisation.
Rajur	6.68	80,000	51,555	37	74.65	<ul style="list-style-type: none"> ➤ Considering the potentiality of the deposit and for better exploitation of substantial reserve to be left by underground mining it is proposed to convert the present UG mine to an opencast mine up to a depth of 200 m in this property as well by amalgamation of adjacent coal blocks i.e. Rajur, Bhandewada, Chinchala and Pisgaon coal blocks. The draft PR which was prepared by CMPDI, RI-IV is unviable at present. ➤ However, looking at the balance reserves and the current market scenario of increased demand the OC conversion proposal may be revisited at reduced IRR.

(Production required to achieve Break Even Point in UG Mines is annexed as Table 22.)

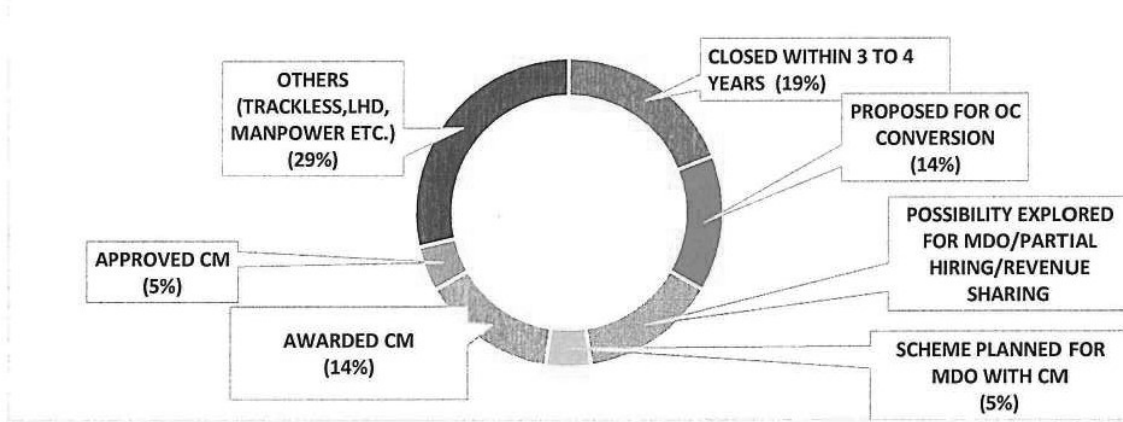
Details explanation of action plan is attached in annexures as in **Table 19A, Table 20A and Table 21A.**

Summary of Action Plan: Loss making UG Mines:

1.	Total Number of Mines as per cost Centre	23 Nos.
2.	Total Number of Producing Mines	25 Nos. (Saoner Mines taken separately)
3.	Non- Producing Mines in 2021-22	Mahakali, Sobhapur, Sarni and Sasti UG - 4 Nos.
4.	Balance Mines considered for grouping -I, II & III	21 Nos.
5.	Mines with exhaustible reserves (Group-I)	04 Nos.
	Mines with life of < 3 years	02 Nos. – Mana, Nandgaon (Chandrapur Area)
	Mines with a life of 3 to 7 years	02 Nos. – Mohan/Mauri (7 Yrs.) and Chattarpur-II (3.5 yrs.)
6.	Mines with Limited scope of mechanisation. (Group II)	05 Nos.
	LW technology	01 Nos.- Silewara- Potential is being explored for viability of Silewara deep mine through long wall technology

Other methods for improving production	04 Nos. <u>Ballarpur</u> -Production may increase after addition of depillaring panel. <u>DRC</u> - Enhancement of production by deployment of required manpower from other mines of the area. <u>Murpar</u> - Subject to availability of NOC from Wild Life Department and by providing inputs and infrastructure for production enhancement. <u>Saoner 2</u> - production from this mine may be continued by development working for another 2-3 years and thereafter, there won't be further scope without acquiring land for carrying out depillaring operation
7. Mines with Scope of Mechanisation or conversion to OC (Group III)	12 Nos.
Mines for which CM/LCCM is awarded	3 Nos.- Tawa-I, Tawa-II and Chattarpur- II
Mine for which CM/LCCM is approved	1 Nos.- Saoner-1
Mines where scheme is under preparation for CM/LCCM	1Nos. - Tandsi
Mine proposed on the basis of Revenue sharing model	1 Nos. - Patansaongi
Mines where conversion to OC	1 Nos. - Vishnupuri-II (with Shivpuri) 1 No.- Mathani with Thesgora 1 No, - Rajur with Chinchala Pisgaon
Others	3 Nos. <u>Nehariya</u> - To achieve the planned production by deployment of sufficient number of LHD's <u>Mahadeopuri</u> - proposed to establish complete trackless transport system upto surface and at the same time potential is being explored for introduction of CM. Saoner 3 – Possibility of deploying CM is explored.

SUMMARY OF PROPOSED ACTION PLAN : LOSS MAKING UG MINES



FINAL SUMMARY OF LOSS MAKING UG MINES:

A. MINES DISCONTINUED IN FY 2021-2022:

S.no.	Mine	Remarks
1	Mahakali UG	Production is discontinued due to safety & economic unviability. Reserves Balance in the mine is 5.862 MT (01.04.2021).
2	Sasti RO	Converted to Dhoptala OC. Reserves Balance in the ug mine is 5.245 MT (01.04.2022).
3	Shobhapur	Exhaustion of extractable reserves. Reserves Balance is 0.12MT (01.04.2021).
4	Sarni	Exhaustion of extractable reserves. Reserves Balance in the mine is 4.4MT (01.04.2021). REASON-blocked under Railway line,State highway,Nallah,etc & property not belonging to the owner of mine.

B. MINES WHICH MAY BE CONTINUED WITH LOSSES:

MINES IN WHICH CONTINUOUS MINER/LCCM IS AWARDED:

S.no.	Mine	Remarks
5	Tawa-I	The losses of the mine has increased from 53.26cr FY 20-21 to 116.91cr FY 21-22. The production from this mine has been approved with the deployment of 1 no. of LCCM and for which the contract on per Te. basis awarded. The peak production capacity of this mine has been proposed as 3.6 LTY which is likely further reduce the production. The production is likely to resume from 23-24.
6	Tawa-II	The losses of the mine has increased from 53.96cr to 101.91cr. The deployment of one LCCM* in LWS on per Te. basis started in November'2021 along-with departmental coal production by LHD machines. The mine may produce nearly 6.0 Lac.Te. per year along-with departmental coal production.
7	Chattarpur-I	The losses of the mine has increased from 58.21cr to 104.42.91cr. The production from this mine has been awarded to M/s. JMS Pvt. Ltd. with the deployment of 1 no. of LCCM* and for which the development activities for the deployment of CM is in progress. The coal production from the Scheme for CM* has been proposed from 2022-23 onwards. Introduction of CM will enhance production and reduction of losses.

*CM/LCCM- Continuous miner/Low-capacity CM.

MINE IN WHICH CM/ SHCM (STANDARD HEIGHT CM) IS APPROVED:

S.no.	Mine	Remarks
8	Saoner -I	The RPR for the introduction of Two No. of SHCMS, with a capacity of 1.2MTPA on partial hiring option was approved in the 340 th Board Meeting of WCL held on 31.01. 2022.The activities for the same are in progress to start coal production from CM by 2024-25 onwards.

MINE IN WHICH SCHEME IS PREPARED FOR CM/LCCM:

S.no.	Mine	Remarks
9	Tandsi	Drifting work is taken to approach Virgin patch of nearly 3.36 MT where coal extractions has been planned by a scheme for introducing CM Technology with capacity 0.36 MT/YR.

MINE WHERE REVENUE SHARING MODEL IS EXPLORED:

S.no.	Mine	Remarks
10	Patansaongi	The mine has been assigned under revenue sharing module.

MINES WITH SCOPE FOR MDO/ANY CONTRACT MECHANISATION:

S.no.	Mine	Remarks
11	Silewara	Potential is being explored for viability of Silewara deep mine through long wall technology and action from CMPDIL-RI(IV) is awaited.

MINES PROPOSED FOR CONVERSION TO OCM:

S.no.	Mine	Remarks
12	Vishnupuri-II	The PR of this mine for OC conversion has been approved and activities for the same are in progress.
13	Mathani	The mine has been proposed for OC conversion along with Thesgora Mine for which Draft PR by CMPDI RI-IV was prepared and is unviable at present notified price of coal.
14	Rajur/ Bhandewada	It is proposed to convert the present UG mine to an opencast mine up to a depth of 200 m in this property as well by amalgamation of adjacent coal blocks i.e. Rajur, Bhandewada, Chinchala and Pisgaon coal blocks. The draft PR which was prepared by CMPDI, RI-IV is unviable at present . However, looking at the balance reserves and the current market scenario of increased demand the OC conversion proposal may be revisited at reduced IRR.

OTHER METHODS FOR IMPROVING PRODUCTION:

S.no.	Mine	Remarks
15	DRC	To achieve the planned production by deployment of sufficient number of LHD's.
16	Murpar	Proposed to establish complete trackless transport system upto surface and at the same time potential is being explored for introduction of CM.
17	Saoner 2	production from this mine may be continued by development working for another 2-3 years and thereafter, there won't be further scope without acquiring land for carrying out depillaring operation
18	Nehariya	To achieve the planned production by deployment of sufficient number of LHD's.
19	Mahadeopuri	Proposed to establish complete trackless transport system upto surface and at the same time potential is being explored for introduction of CM.
20	Saoner 3	Possibility of deploying CM is explored.
21	Ballarpur UG	Production from this mine may be increased by adding one depillaring panel with stowing.

C. MINES WITH EXHAUSTIBLE RESERVES: MINES LIKELY TO BE DISCONTINUED IN 3-5 YR

S.no.	Mine	Remarks
22	Mana	Only 30,000 Te. coal is left for extraction during FY 2022-23 from the running section. Further extraction of balance reserves is feasible after completion of scientific study as discussed with DGMS Authority.
23	Nandgaon	Nandgaon is a retreating mine & present layout is not amenable for running more than one section.
24	Mohan/Mauri	The reserve of nearly 14.00Te. coal is left in Main dip which may be extracted in coming 7 years.
25	Chattarpur-II	The working of this mine may be discontinued in coming two years due to exhaustion of extractable reserves.

LOSS MAKING OC MINES

As per Cost Centre of FY 2020-21 WCL has 37 OC Producing Mines -out of which 18 mines are profit making and 19 are loss making mines. The status of Loss-making mines is as below:

Status (01.04.2021)	No. of Mines	Manshifts (Lakhs)	Production (MT)	Loss (Rs. Cr) FY 2020-21	Reserves balance (MT) (01.04.2021)
PRODIUCING	19	22.27	10.601	664.34	242.911

a) The List of Loss-making mines with Production and reasons for loss (As Progressive upto Dec 21 and Dec 20): (Table 23)

Area	Name of the Mine	Prog. Loss FY 21-22 (Upto Dec21)	Total Profit/ Loss (Rs. Cr) FY 20-21 (Upto Dec 20)	Reasons for Loss
		1	2	
Ballarpur	BALLARPUR OC	-60.69	-27.85	The HOE contract is in operation and production started in Feb'21.
	POUNI	-106.97	-57.90	Property exhausted and merged with Gouri Mine
	GOURI (merged)	-77.37	-19.71	The mine is presently working the erstwhile boundary patch & will expand the working after diversion of PWD road running across the common mine boundary of Gouri & Pauni OC.
	SASTI	-68.97	-33.64	Space constraints due to working near mine boundary & also due to inconsistent performance of dragline. Working is now being shifted towards the railway siding area. Expansion PR app
CHANDRAPUR	PADMAPUR	-18.75	-53.42	Limited working patch for production due to non- diversion of Mota Ghat Nallah, restriction imposed by DGMS due to water locked adjoining quarry.
	DURGAPUR	-12.37	4.25	Limited working patch for production and working in geologically disturbed patch of Lohara Boundary Fault.
	H. LALPET	-33.07	-21.88	The mine started its operation in Dec'21 after possession of forest land.
	BHATIDIH	-7.39	21.39	
KANHAN	MOHAN OC	-19.31	-19.44	The patch working of depillared UG working of Ph-IV exhausted
MAJRI	NMOC IA & II A	-19.82	-49.10	Working in geologically disturbed property and is extension of back filled quarry near Wardha River.
NAGPUR	KAMPTEE DEEP	-111.86	-73.85	Restricted working patch because of land constraints, quality deterioration as the mine is working of depillared and sand stowed patch.
	BHANEKAON	-19.55	26.79	
	PENCH	N. SETHIA/ VISHNUPURI	-57.35	-24.94
	URDHAN	-21.52	-12.62	The mine has prevalence of very hard Basalt rock which affects OB removal. Coal production started since Oct,2021.
	BARKUHI	-0.72	—	
WANI	NEELJAY	-6.80	36.99	
WANI NORTH	KOLARPIMPRI	-12.14	16.56	
	GHONSA	-43.30	-9.96	The mine is being worked through Dept. Option due to no response of getting offers for HoE on total hiring option.
	JUNAD	-16.54	-2.42	Working near mine boundary, quality deterioration, Property may be exhausted during FY 2022-23
		-576.55	-300.75	

Note- Out of these 19 Loss making mines (Column 1), 6 Number of Mines are Cost Plus Mines viz., Durgapur, Bhatadi, NMOC IA & IIA, Junad, Kolarpimpri and Urdhan.

b) **REASONS FOR LOSS:**

Based on the scope of the mine to enhance /improve production the list of the Mines is further categorised as-

1. **LOW POTENTIAL MINES**
2. **HIGH POTENTIAL MINES**

(Table 24)

S.No.	Name of the Mine	Reasons for loss
LOW POTENTIAL MINES		
1	New Sethia	Patch working with limited quarry width and encountering of very hard Basalt rock in running HoE patch leading to high cost of production. Property exhausted.
2	Padmapur	Limited working patch for production due to non-diversion of Mota Ghat Nallah, restriction imposed by DGMS due to water logged adjoining quarry. Mining discontinued and resources being shifted to adjoining mines for gainful utilisation.
3	Mohan	The working patch of Phase-IV is nearly exhausted
4	Junad	Working near mine boundary, quality deterioration, Property may be exhausted during FY 2022-23. A scheme to work balance reserves available within the acquired land has been approved on Partial Hiring Basis
5	NMOC IA & IIA	Working in geologically disturbed property and is extension of old back filled quarry near Wardha River and mine is working with high stripping ratio and requires high OB RH. The balance life of the Mine is nearly 3-4 years.
6	Barkuhi	Property exhausted
7	Pauni	Property exhausted and merged with Gouri Mine.
HIGH POTENTIAL MINES		
1	Hindustan Lalpeth	The mine operation started in the month of Dec'21 after possession of forest land on Total Hiring.
2	Kamptee Deep	Restricted working patch because of land constraints, quality deterioration as the mine is Working of depillared and sand stowed patch. The Mine amalgamated with Inder OC
3	Gauri (Merged)	The mine is presently working the erstwhile boundary patch and will expand the working after diversion of PWD Road running across the common mine boundary of Gouri and Pauni OC.
4	Ghonsa	The mine is being worked through Dept. option due to no response of getting offers for HoE on total hiring option.
5	Urdhan	The Mine is Cost Plus and was having limitation of sale of coal. With increased demand offtake has improved
6	Kolar-Pimpri Extn.	Production discontinued due to termination of HoE contract on account of poor performance, fresh tender is in operation, mine is having high stripping ratio.
7	Sasti OC	Space constraints due to working near mine boundary and also due to inconsistent performance of Dragline. Working is being now shifted towards the Railway Siding Area. Expansion PR is approved for 2.5 MTY capacity and will expand after acquisition of land and EC
8	Bhanegaon	Limited working patch after incidence of water accumulation and subsequent recovery. Another HOE contract is being awarded for performance improvement.

9	Bhatadi	The mine was carrying huge coal stock which is being liquidated and expected consistency of despatch with commissioning of Pipe Belt Conveyor System and mine is working with high stripping ratio.
10	Durgapur	Limited working patch for production and working in geologically disturbed patch of Lohara Boundary Fault. Stage-II FC of 122 ha land is granted and after possession of Forest Land and Renewal of 80 ha Forest Land, the mine will expand. Meantime, production is being maintained by temporarily diverting Village Road and releasing patch of 3 years.
11	Neeljay Deep	High stripping ratio of mine and financial performance of mine is improving gradually with both quarries now operational
12	Ballarpur	The HoE contract is in operation and coal production started in the month of Feb'21.

c) **ACTION PLAN FOR REVIVAL:**

The Mines are categorised into Low Potential Mines & High Potential Mines based on its capacity to enhance production.

(Table 25)

LOW POTENTIAL OC MINES		
S.No.	Name of the Mine	Action Plan for revival
1	New Sethia	Property near exhaustion, hardly any scope of improvement, only 30,000 Te. Coal left for prod.in 1st qtr. of FY 2022-23.
2	Padmapur	Nallah diversion and village resettlement work and FC to be completed on priority.
3	Mohan	It has been proposed to produce 1.5LTe. Coal from Ph-IV patch during FY 2022-23.
4	Junad	Property near exhaustion. Further, a scheme for continuance of coal extraction within acquired land is approved on partial hiring basis.
5	NMOC IA & IIA	The property may last for 3-4 years for coal production.
6	Barkuhi	The process of mine closure is in progress
7	Pauni	Property exhausted and merged with Gouri Mine.
HIGH POTENTIAL MINES		
1	Hindustan Lalpeth	The mine is in operation since 17.01.2021 under PR of 1.0 MTY capacity with life of 6 years.
2	Kamptee Deep	PR for revival of the mine through amalgamation of adjacent property for extension of life for mine capacity of 3.5 MTY having life of 18 years Via amalgamation of Kamptee-Inder Mine
3	Gauri (Merged)	PR for revival of the mine through amalgamation of adjacent property for extension of life for minimum production of 3.5 Million Ton/Yr via amalgamation of Gauri-Pauni Mine with partial hiring option likely to be operational by end of this financial year.
4	Ghonsa	PR for amalgamation of Kumbarkhani UG to OC Mine approved for partial hiring option with annual capacity of 1.5 MTY. In the meantime, HoE proposal is under consideration within land available and on Mine Specific Sale Price.

5	Urdhan	The production from the mine may be enhanced with the enhancement of proposed EC.
6	Kolar-Pimpri Extn.	New contract commenced w.e.f. 20.11.2021 With 1.5MTY capacity. Performance improvement expected from 2022-23
7	Sasti OC	New PR of 2.5MTY FOR 11 years life approved. Presently, working Area released after dismantling of existing siding
8	Bhanegaon	For enhancement of OB removal additional HoE Contract proposed and tender invited.
9	Bhatadi	It is expected that from next month onwards, the mine will earn profit.
10	Durgapur	Forest land 122 Ha. stage-II sanctioned. Physical possession of land is being taken.
11	Neeljay Deep	It is expected that from next month onwards, the mine will earn profit.
12	Ballarpur	New HoE contract commenced w.e.f.17.07. 2021.The mine is in operation on total hiring for life of 03 years

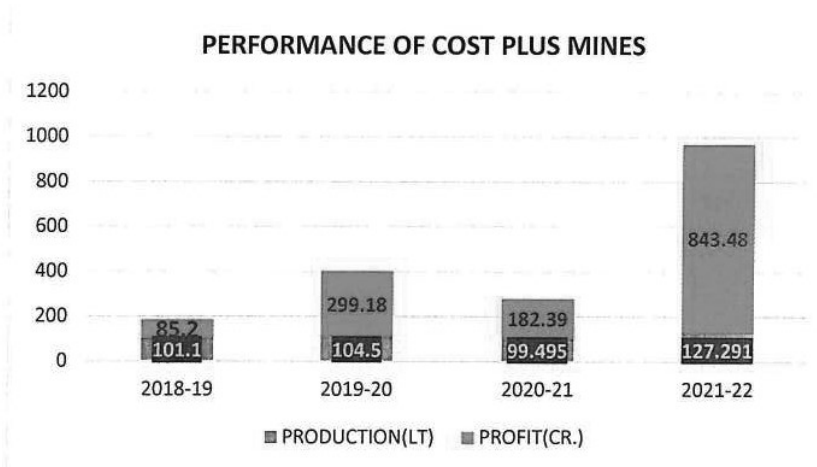
Note: The shaded and highlighted mines are cost plus mines.

d) COST-PLUS MINES:

Out of the list of 19 loss making Mines six mines are Cost-plus Mines. The performance details from 2018- 2021 and Progressive figures of loss are as below:

Cost Plus Mines: Profit Loss (Table 26)

Name of Mine	Area	Profit/loss (Rs.Cr.)				TOTAL 3 yrs. 2018-21
		18-19	19-20	20-21	21-22	
GOURI DEEP	BALLARPUR	-20.39	73.28	14.72	81.78	472.48
BHATADI	CHANDRAPUR	11.83	135.38	54.02	66.82	446.35
DURGAPUR	CHANDRAPUR	-20.29	-95.34	-6.15	-30.11	-231.72
NEW MAJRI UG TO OC	MAJRI	100.32	73.13	178.80	215.98	872.53
NMOC IA & IIA	MAJRI	23.57	105.43	-38.46	29.86	210.9
ADASA	NAGPUR	0	0.00	0.00	30.06	21.85
URDHAN	PENCH	-16.46	-18.61	-29.34	11.79	-177.12
BELLORA/NAIGAON	WANI	-12.30	-0.60	-9.25	121.20	-17.95
KOLGAON	WANI	41.34	-0.16	25.70	77.24	270.321
KPOCM	WANI(N)	-33.22	73.16	30.57	-5.46	142.75
UKNI	WANI(N)	15.75	-9.35	-26.78	229.11	514.68
JUNAD	WANI(N)	-4.95	-37.14	-11.44	15.22	-141.06
TOTAL		85.20	299.18	182.39	843.48	2384.01



Conclusion:

Loss-making UG Mines:

- **Coal production from UG mines of Group-I:**
 - ✓ The coal production from Mines may continue till the exhaustion of extractable reserves as these mines have meagre reserves left and may continue till 3-4 years.
 - ✓ The committee also deliberated on expediting the rate of production of loss making ug mines with life of 3-4 years so that the further losses could be reduced; but on detailed discussion committee finally concluded that such mines namely, Nandgaon and Chattarpur-II are retreating and it would not be technically feasible to expedite production due to limited working area.
- **Regarding Mines in Group II, the committee is of the opinion that-**
 - ✓ The coal production from *Murpar mine* may be enhanced from the present rate by providing required inputs and infrastructure so that the available reserve may be extracted as soon as possible.
 - ✓ Other Mines- *DRC and Ballarpur 3 & 4 Pits* have considerable reserves and there might be incremental growth in production with corresponding increase in capital cost and infrastructure.
 - ✓ Apart from this, *Silewara Mine* may be proposed for the operation through MDO mode and accordingly EOI may be floated.
 - ✓ *Saoner-II Mine*-the production from this mine may be continued by development working for another 2-3 years and thereafter, there won't be further scope without acquiring land for carrying out depillaring operation. In that case, the manpower from this mine may be deployed into nearby Saoner-III mine for production enhancement.
- **Committee is of the opinion that the Mines in Group III have high potential for the enhancement in production either with the technology infusion (CM) or by other measures in order to reduce the losses further.**
 - ✓ Out of 12 no. of mines falling under this group, one mine namely *Vishnupuri-II* has been approved for OC conversion and activities for the same is under progress at Area level.

- ✓ 05 no of mines namely- **Saoner-1, Tandsi, Tawa-I, Tawa-II and Chhatarpur-I** has been identified for introduction of CM. The coal production from CM technology has already been started since Nov,21 in Tawa-II mine of Pathakhera Area.
- ✓ **Patansaongi Mine** of Nagpur Area where there is considerable reserve available and there is no scope of mechanisation due to geo-technical parameters, the operation of mine may be considered on hiring mode (per Te. basis) in order to reduce the losses from this mine.
- ✓ Action has been proposed for exploring the potential for the deployment of CM in **Saoner-III and Mahadeopuri Mine**.
- ✓ The production enhancement from **Nehariya mine** may be done with existing technology by better utilization of loading machines and with increase in blasting of more no. of shots per day.
- ✓ **Rajur/Bhandewada** mine cannot improve production by ug methods and as it is also not viable for production by OC methods. However, looking at the balance reserves and the current market scenario of increased demand of coal the same may be revisited for production through OC methods (at different IRR)
- ✓ Similarly, **Mathani Mine** can be reconsidered for conversion to Opencast with the property of Thesgora UG Mine and PR can be prepared with different IRRs and expected saleability. Till then, the possibility of offering it through MDO may be explored.
- ✓ The possibility of outsourcing of skilled jobs like that of operators, drillers, support crew etc., in UG mines may be explored for enhancing production from the mines and overcome shortage of skilled manpower.
- ✓ Further, Committee opines to take up a Scientific Study to assess the compulsory requirement of Surface Land for carrying out Depillaring operations and to take up with DGMS for reconsideration of their provisions.
- ✓ Operating an Underground Mine i.e., commencing development without finalising the Method of Depillaring results in locking reserves and resources. An Underground Mine is not likely to yield returns with development working only. The Committee, therefore, opines that the Underground Mine Project Report should clearly spell the Method of Final Extraction with requirement of Surface Rights or otherwise


Loss-making OC Mines:

- Out of 7 mines in Low Potential Group -
 - ✓ Coal production in four mines namely- **New Sethia, Junad, NMOC IA & IIA, & Mohan OC** will be discontinued after exhaustion of extractable reserves within 1- 3 years.
 - ✓ In other two mines, extractable reserves have already been exhausted i.e., **Barkuhi OC and Pauni OC**.
- Out of 12 Mines in High Potential Group -

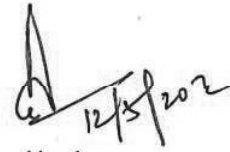
- ✓ Two mines **Belora-Naigaon OC** and **Ukni OC** have made profits this year (upto Dec 2021) and two more mines viz., **Bhatadi OC** and **Neeljay Deep** will come in profit in near future.
- ✓ Out of the rest eight mines, 4 mines had delayed start in production, viz., **HLOC** (started in December 2021), **BOCM** (started in 17.07.2021), **Kolarpimpri OC** (started in 20.11.2021) and **Urdhan OC** (started in Oct 2021) and may recover the losses in coming years.
- ✓ The rest of the four mines have approved PR for revival through expansion/amalgamation (**Sasti OCM** and **Gauri** (merger with Pauni), **Kamptee OCM** (Merger with Inder) and Ghonsa OC).
- Out of 19 loss-making mines in WCL, six of the mines are operated on Cost-plus Basis.
 - ✓ Six Cost-Plus mines which were in loss in 2020-21(Rs.121.4 cr.) had shown profit of Rs.378.46 Cr (Dec 2021 cost sheet).
 - ✓ Only two of the mines- Urdhan and Ukni OC has continued to make loss since FY 2018-19. It has been noted that the Cost-Plus customer in both these Mines are SWP (Sai Wardha Power) and the contract with them is under litigation by the customer and the prices realised are Court directed till outcome of the case.


12/5/2022

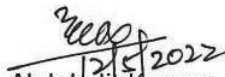
V.M.S. Rao
CM(Min)/P&P, WCL HQ


12/5/2022

Shashendra Singh
CM(Min)/V.O, WCL HQ


12/5/2022

Anup Hanjura
GM(Vig), WCL HQ


12/5/2022

Alok Lalit Kumar
GM(Prodn.), WCL HQ


12/5/2022

S.K. Jain
GM(UG), WCL HQ

Table 22
Production required to achieve Break Even Point in UG Mines: Upto March 2022

S.NO	MINE	AREA	Dept Prod. (L.T) FY 2021-22	BEP (LT) **	SPT (Rs. Lakhs)	Variable Cost per tonne	Contribution per tonne (Rs.) *	Fixed Cost (Rs. Lakhs)
1	MURPAR UG	UMRER	0.72	4.26	2236.69	722.33	1514.36	6444.1
	SILEWARA	NAGPUR	0.78	16.97	1904.08	1222.78	681.3	11563.66
3	P'SAONGI	NAGPUR	0.54	37.24	1653.18	1408.87	244.3	9097.7
4	SAONER	NAGPUR	4.54	21.69	1888.78	416.98	1471.8	31921.67
5	DRC UG	CHANDRAPUR	1.08	12.29	2282.09	1125.07	1157.02	14214.27
6	MAHAKALI UG (MKC)	CHANDRAPUR	0.29	-13.98#	2224.26	2910.82	-686.55	9601.38
7	MANNA	CHANDRAPUR	0.73	3.91	2527.5	630.53	1896.97	7423.42
8	NANDGAON	CHANDRAPUR	0.77	4.16	2669.95	858.12	1811.83	7539.1
9	B'PUR UG	BALLARPUR	0.88	4.34	3710.22	985.19	2725.03	11831.62
10	SASTI UG	BALLARPUR	0.42	5.65	2904.85	1275.11	1629.74	9216
11	BHANDEWADA/RAJUR	WANI NORTH	0.52	3.58	4105.08	1564.92	2540.16	9096.64
12	MAHADEVपुरI	PENCH	0.82	10.68	1337.42	483.76	853.66	9114.76
13	MATHANI	PENCH	0.73	6.97	1794.92	757.78	1037.14	7232.45
14	V'पुरI-II	PENCH	0.74	8.55	1814.88	620.87	1194	10206.7
15	NEHERIYA	PENCH	2.52	13.26	2032.29	652.7	1379.6	18294.62
16	MOHAN/MOURI	KANHAN	1.71	13.18	1494.5	405.38	1089.12	14350.12
17	TANDSI	KANHAN	1.58	4.46	4281.17	574.24	3706.92	16538.73
18	SHOBHAPUR	PATHAKHERA	0.19	1.58	1945.28	785.48	1159.8	1833.8
19	CHAT I	PATHAKHERA	3.34	10.05	1876.9	304.58	1572.32	15802.06
20	CHAT II	PATHAKHERA	0.71	2.35	2642.79	366.97	2275.82	5349.77
21	TAWA I	PATHAKHERA	3.28	9.09	2402.74	372.71	2030.04	18460.34
22	TAWA - II	PATHAKHERA	3.53	8.25	2542.21	344.33	2197.89	18142.81

Note: The breakeven Point of MKC is -ve because the mine was closed during the current year, but the expenditure continued in the Unit (account) like salary wages etc. of manpower engaged at MKC.

Table 22A

Production required to achieve Break Even Point in OC Mines: Upto March 2022

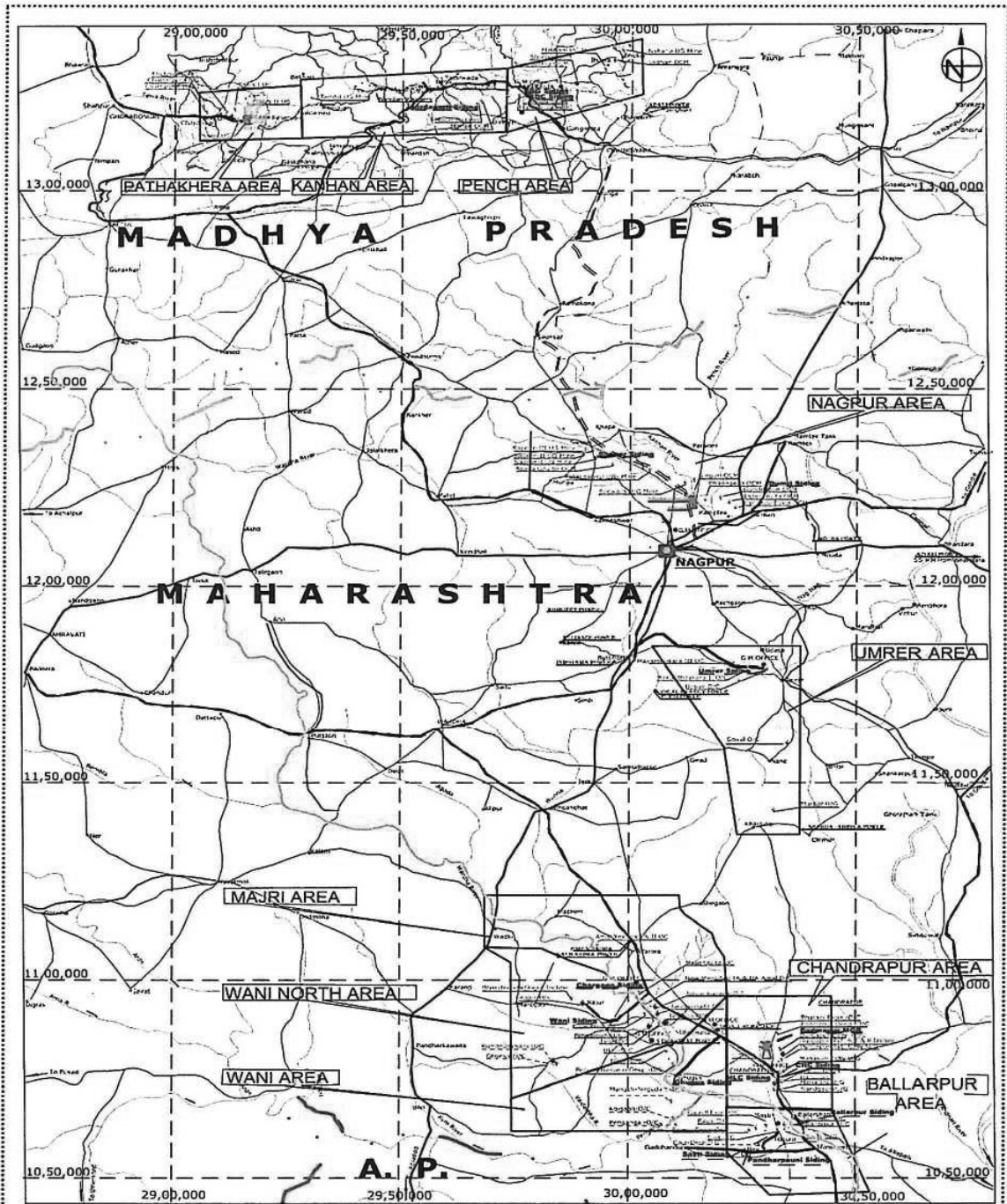
S.NO	MINE	AREA	Dept Prod.(L.T) in FY 2021-22	BEP (LT) **	SPT	Variable Cost per tonne	Contribution per tonne (Rs.) *	Fixed Cost (Rs. Lakhs)
1	BHANEGAON/SIN GORI OC	NAGPUR	0	4.11	2033.28	266.5	1766.78	7268.98
2	DURGAPUR OC	CHANDRAPUR	18.36	23.26	2088.67	768.02	1320.65	30721.61
3	PADMAPUR DEEP OC	CHANDRAPUR	1.9	75.48	1596.01	1455.18	140.83	10630.2
4	HLOC	CHANDRAPUR	0	2.81	3212.69	1570.1	1642.59	4610.23
5	GOURI OC(MERGED)	BALLARPUR	9.44	15.67	1180.88	383.79	797.09	12490.25
6	B'PUR OC	BALLARPUR	2.65	18.26	1433.67	1066.83	366.84	6699.75
7	SASTI OC	BALLARPUR	14.63	17.12	1858.91	523.74	1335.17	22863.6
8	POUNI II & III OC	BALLARPUR	0	11.74	1887.44	637.24	1250.2	14674.57
9	NEELJAI -II	WANI	37.52	41.94	1816.81	999.91	816.9	34259.82
10	GHONSA	WANI NORTH	4.26	6.37	2778.62	820.07	1958.55	12474.3
11	KOLARPIMPRI EXTN	WANI NORTH	4.07	10.82	2067.5	1312.55	754.95	8166.67
12	NEW SETHIA	PENCH	0	-2.01*	1266.77	3326.64	-2059.87	4132.55
13	BARKUHI	PENCH	0	2.57	1412.62	273.32	1139.31	2924.05
14	MOHAN O/C	KANHAN	0	4.92	1550.28	212.97	1337.31	6580.1

*Previous year OB payments to contractor was paid in current year and charged to expenditure due to non-provision of liability.

**** Calculation Of Breakeven Point:**

Contribution per Tonne = Selling Price Per Tonne – Variable cost Per Tonne

Break Even Point = Fixed Cost in Rs. Lakhs/Contribution Per Tonne



E: wcl data/Denode/Location plans/Location Map of WCL Mines

Index:-

Grid-R	—————	30' DIVISION	—————
Roads	—————	B.D.	—————
Railway Line	—————	N.G.	—————
River/Stream	—————		
T.P.S.	—————		
State Boundary	—————		

- ◆ PRODUCING MINES
- ◆ NON-PRODUCING MINES
- ◆ NEW MINES
- ◆ FUTURE MINES

WESTERN COALFIELDS LIMITED
PLANNING DEPT., NAGPUR

Sub:- KEY PLAN

Scale:- 0 10Km. 20Km.

DETAILED REASONS AND ACTION PLAN FOR LOSS MAKING UG MINE

GROUP I: Mines with exhaustible reserves: (Table 19A)

Name of the mine	Balance Reserves (MT)	AAP TGT FY 21-22	ACHIEVED FY 21-22	Life Of the mine @of current levels of Production (Yrs.)	Loss 20-21	Action Plan
	(01.04.21)	'000 TN	'000 TN	(01.04.21)	Rs.Cr	
Nandgaon	0.93	75,000	73,165	2	68.47	Nandgaon is a retreating mine & there is no possibility of having another panel for improvement in production at a time, Poor roof and side condition with presence of slips, cleats and cleavage planes make the requirement of vigorous roof bolting & side stitching with ropes to overcome strata control problem. There is major constraint for extraction of coal by depillaring with hydraulic sand stowing due to non-availability of sand from River Ghats on account of restrictions imposed by District Authority for obtaining EC of River Ghats. The working of mine may continue up-to 3 to 4 years till the exhaustion of extractable reserves.
Mana	0.40	65,000	73,165	---	69.03	Only 30,000 Te. coal is left for extraction during FY 2022-23 and thereafter production from this mine may be discontinued.
Chattarpur-II	0.210	60,000	71,358	3.5 (Subject to scientific study)	26.05	The working of this mine may be discontinued in coming two years due to exhaustion of extractable reserves. Presently, extraction of coal with 3 no. of SDL main dip of LWS is going on.
Mohan /Mauri	0.830	1,80,000	1,71,000	4.6	90.91	The mine is having a no. of sealed off panels with fire / sp. heating and crushed pillars due to presence of overlying Basalt Deccan Trap rock. The only reserve of nearly 8,00,000 Te. coal is left in Main dip which may be extracted in coming 3 to 4 years.
Total	1.449					

GROUP II: Mines with Limited scope of Mechanisation: (Table 20A)

Name of the mine	Balance Reserves (MT)	AAP TGT FY 21-22	ACHIEVED FY 21-22	Life Of the mine @of current levels of Production (Yrs.)	Loss 20-21	Action Plan
	(01.04.21)	'000TN	'000TN	(01.04.21)	Rs.Cr	
Silewara	4.45	85,000	77,924	29	97.73	Silewara mine is one of the oldest mines of WCL having multi seams workings and the gradient of the seam are having very steep i.e., 1 in 4 with tub loading. The mine fall under difficult category due to steep gradient, stowing and history of fire. Due to steep gradient frequent manoeuvring of machine i.e., one level to another level in a shift is not possible with machine own tractive force, where every shifting of machine from lower level to upper level is needed it is done with the help of haulage, which consumes 4 to 5 hours. Hence limiting the deployment of machine only in a single face. Due to high Stripping ratio no scope for conversion to OCM technology. Since it is having reserves of 4.450 MTN. including all the four seams, it may be considered to keep this mine for operation by MDO Mode/ANY CONTRACT MECHANISATION and accordingly EOI is to be floated. Potential is also being explored for viability of Silewara deep mine through long wall technology and action from CMPDIL-RI(IV) is awaited.
Saoner 2	21.88	1,80,000	1,33,460	60 @0.25MT	-	Restricted working patches in mine due to sudden encountering of 125 m down throw fault towards western side in development districts. No land acquisition of tenancy land for depillaring panels, OC conversion along with Saoner-1 mine was not viable.- the production from this mine may be continued by development working for another 2-3 years and thereafter, there won't be further scope without acquiring land for carrying out depillaring operation. In that case, the manpower from this mine may be deployed into nearby Saoner-III mine for production enhancement.
Ballarpur 3&4	16.37	1,10,000	87,845	19	101.83	Mine has been developed extensively by Bord and Pillar method of work. the workings have been developed contiguously in top and bottom section. These workings have to be depillared with hydraulic stowing. Since the seam is nearly as flat seam, i.e. dipping at 1 in 33, we are facing difficulties in maintaining the hydraulic profile and accordingly facing problems in sand stowing operation. As the development of the

						mine is done to its full extent, seam/strata i.e. more than 3.5 km in the strike length, with single return air shaft makes the ventilation "poor". due to which the efficiency of working personnel is adversely affected. Scheme for providing an additional incline (6.0M X3.0M) at R.O. side has been initiated and is under scrutiny at WCL HQ. The total working area fall below the HFL of Wardha River. The HFL is 178.38m. The surface RL of the area above the workings is 170m. This problem affects the production of the Mine during the monsoon. Surface has township almost throughout the property. Already one portion towards West side has been proposed for conversion to OC. It is proposed to explore the possibility of offering it through MDO with expansion programme.
DRC	35.05	1,05,000	1,07,322	38	126.98	Maximum Surface land is under reserve forest. Densely populated, MEL Railway line and state Highway pass through mine lease area which could not be diverted. Mass Production Technology (MPT) is not feasible due to steep gradient, thick seam, fiery seam. The coal production from this mine may be enhanced with the deployment of required manpower from other mines of the area and subsequently, the losses incurred/Te. may be reduced further.
Murpar	9.5	80,000	72,360	As per PR capacity of 0.28 MT the life is estimated to be 3-4 Years (Subject to NOC by Wild life Dept.)	49.88	The working area of this mine come under Eco-sensitive Zone (ESZ) of TATR, Chandrapur. The future working of this mine is subjected to NOC granted by Wildlife Dept. for which application has been submitted online from Area, only development working with adverse geo-mining conditions. Mine is having low grade coal. The liquidation of standing pillars of coal is not possible at present due to overlying Forest Land. Production enhancement by providing inputs and infrastructure may be done.

GROUP III: Mines with scope of mechanization or conversion to OC and have high potential to increase production: (Table 21A)

Name of the mine	Mineable Reserves (MT)	AAP TGT FY 21-22	ACHIEVED FY 21-22	Life Of the mine @of current levels of Production (Yrs.)	Loss 20-21	Action Plan
	(01.4.21)	'000TN	'000TN	(01.04.21)	Rs.Cr	

Saoner 1	38.56	1,60,000	2,05,000	12	-	The RPR for the introduction of Two No. of SHCM (Standard height continuous miner) with a capacity of 1.2MTPA on partial hiring option was approved in the 340 th Board Meeting of WCL held on 31.01. 2022. The activities for the same are in progress to start coal production from CM by 2024-25 onwards.
Saoner 3	16.29	1,30,000	1,15,000	60@0.20MT	-	Non-availability of surface right on land for the liquidation of standing pillars, The shortage of manpower against the actual requirement for achieving the targeted production form these mines in coming years will be made by deployment of new workman employed against land acquisition. In the area and / or from other areas of WCL. Possibility of deploying CM is being explored in this mine.
Patansaongi	19.30	65,000	53,518	41	70.46	Possibility of district/Mine working on Revenue Sharing Model is being explored. The proposal is under preparation at Area level
Mahadeopuri	6.37	1,00,000	81,627	15	73.66	A scheme for enhancement of production by introduction of LHDs in place of SDLs loading into tubs and changeover of transportation layout from haulage to conv. belt system has been approved and activities for the same has been completed and in operation. To increase the production the requirement of major reorganization of the transport system and continuous transport system was introduced by belt mining with low height LHDs in the mine in conjunction with haulage transport system (present system). It may be proposed to establish complete trackless transport system upto surface and at the same

						time potential is being explored for introduction of CM.
Nehariya	18.85	2,90,000	2,51,989	20	145.12	Possibility of deploying Low-capacity CM in seams-II, Seam-III & Seam-IV for depillaring and development has been explored and found not to be compatible due to contiguous working of seams, soft floor and seepage of water from roof and sides. Treatment of water which is acidic in nature for use in CM will be required. The mine has sufficient working patches in all the three working seams for the achievement of planned production program in development and depillaring district by deployment of sufficient no. of LHDs machines. Efforts are being made to deploy some workmen from nearby mine/ area and to control unauthorized absenteeism during FY 2021-22.
Tandsi	3.67	1,40,000	1,57,000	18	76.27	Present production level of this mine is 450 TPD. In the existing area only one panel is left to be worked out and no further working area in this mine is left. The reserve of nearly 1.0 MT standing on pillar may not be extracted due to crushing of pillars, major roof falls and having geological disturbances. After crossing the fault F2-F22 by driving total length of 933.0 Mtr. (with 2 nos. of drifts & interconnections). Virgin patch of nearly 3.36 MT will be available where coal extractions has been planned by a scheme for introducing CM Technology with capacity 0.36 MT/YR. Presently, drivage of 2 no. of drifts to approach the virgin property is in progress.

Tawa I	17.51	3,25,000	3,28,000	9	53.26	Presently the coal production from this mine is being done with the help of 10 No. of LHD machines loading on belt conveyor and most of the production is coming from development working of thin (1.5 to 1.8 mt. thickness) Bagdona seam. Now, the production from this mine has been approved with the deployment of 1 no. of LCCM and for which the contract on per Te. basis awarded. Thereafter, the departmental production of coal with LHDs will be phased out after 1 year time period from the start or production by CM. The peak production capacity of this mine has been proposed as 3.6 LTY. The surplus manpower as a result will be deployed in some other mines of the area as per requirement.
Tawa II	11.123	5,45,000	3,52,806	7.8	53.96	The deployment of one LCCM in LWS by M/s Trident & Aurbindo JV on per Te. basis resumed in November'2021 along-with departmental coal production by LHD machines. The mine may produce nearly 6.0 Lac.Te. per year along-with departmental coal production. This will reduce the losses from this mine drastically in coming financial years.
Chattarpur I	10.3	60,000	71,358	11	58.21	Presently the coal production from this mine is being done with the help of 10 No. of LHD machines loading on belt conveyor and most of the production is coming from development as well as depillaring working of LWS. Now, the production from this mine has been awarded to M/s. JMS Pvt. Ltd. with the deployment of 1 no. of LCCM and for which the development activities for the deployment of CM is in

						progress. Thereafter, the departmental production of coal with LHDs will be phased out after 1 year time period from the start or production by CM. The peak production capacity of this mine has been proposed as 3.6 LTY. The surplus manpower as a result will be deployed in some other mines of the area as per requirement. The coal production from the Scheme for CM has been proposed from 2022-23 onwards.
Vishnupuri-II	27.909	90,000	74,030	OC CONVERSION	76.48	The PR of this mine for OC conversion has been approved and activities for the same are in progress. Efforts are being made to obtain DGMS permission for extraction of coal by caving method as early as possible in order to enhance the coal production from this mine
Mathani	2.50	70,000	73,351	9	61.20	The extractable reserve of this mine is on the verge of exhaustion due to sealed off panels in fire and crushing of pillars with huge roof falls in the old working patches in seams. The mine has been proposed for OC conversion along with Thesgora Mine for which Draft PR by CMPDI RI-IV was prepared and is unviable at present notified price of coal.
Rajur/Bhandewada	10.52	80,000	51,555	37	74.65	Considering the potentiality of the deposit and for better exploitation of substantial reserve to be left by underground mining it is proposed to convert the present UG mine to an opencast mine up to a depth of 200 m in this property as well by amalgamation of adjacent coal blocks i.e. Rajur, Bhandewada, Chinchala and PISGAON coal blocks. The combined thickness of Major seam & Minor seam

					<p>after due adjustment for development workings would be about 10.0 m, which is mostly standing on pillars in Rajur and Bhandewada block and virgin in Chinchala and Pisgaon blocks. The draft PR which was prepared by CMPDI, RI-IV is unviable at present. The mine has very limited scope for the enhancement in production and further reduction in losses in present circumstances. At the same time the establishment of colony maintenance has to be done as no other mine is in operation to nearby Rajur/Bhandewara mine. Therefore, a administrative decision has to be taken for the deployment of sparable manpower from this mine to other mines of the area or other areas of WCL for their gainful deployment.</p>
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WESTERN COALFILEDS LIMITED
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Area	NAME OF THE MINE / PROJECTS	PR Capacity 'MTY	Env. Capacity MPTA	Reserves as PR			Balance Reserve as on 01.04.2021			Balance Reserve as per Plan & Sec 01.04.2021			Balance Life in Yrs
				Coal	OB	SR	Coal	OB	SR	Coal	OB	SR	
Ballarpur													
UG	BC 3&4	0.33	0.33	36.10			16.37			16.37			19.00
	Sasti	0.25	0.25	13.50			5.25			5.25			19.00
	Total Ballarpur UG	0.580	0.580	49.600	0.000	0.000	21.614	0.000	0.000	21.614	0.000	0.000	
OC													
	Dhoptala (sasti UgG to OC)												
	Ballarpur	0.63	0.63	2.49	24.89	10.00	2.48	7.06	2.85	2.48	7.06	2.85	4.00
	Sasti	1.40	1.70	28.42	152.24	5.36	27.18	140.73	5.18	27.18	140.73	5.18	11.00
	Gouri Expn					#DIV/0!			#DIV/0!			#DIV/0!	
	Gouri-Pouni Merger	1.80	1.25	5.10	18.45	3.62	5.01	19.58	3.91	5.01	19.58	3.91	3.00
	Pouni					#DIV/0!			#DIV/0!			#DIV/0!	
	Gouri Deep	0.40	0.60	7.66	46.81	6.11	3.57	10.21	2.86	3.57	10.21	2.86	13.00
	Pouni-II OC Expn	3.25	3.25	30.63	189.47	6.19	24.31	160.61	6.61	24.31	160.61	6.61	12.00
	Total Ballarpur OC	7.475	7.420	74.300	431.860		62.553	338.181		62.553	338.181		
	Total Ballarpur Area	8.055	8.000	123.900	431.860	0.000	84.167	338.181	0.000	84.167	338.181	0.000	
Chandrapur													
UG	DRC	0.60	0.92	60.96			35.05			35.05			38.00
	Mahakali		0.40				5.86			5.86			
	Nandgaon		0.76				0.93			0.93			
	Mana						0.40			0.40			
	Total Chandrapur UG	0.600	2.080	60.960			42.242			42.242			
OC													
	Durgapur Deep Extn OC	3.00	3.00	47.27	311.00	6.58	38.70	261.77	6.76	40.56	264.76	6.53	
	HLOC Expn						5.87						13.00
	Padmapur Deep	2.50	2.50	39.99	163.80	4.10	11.99	66.59	5.55	14.18	62.14	4.38	6.00
	Bhatadi	0.98	1.47	20.77	132.71	6.39	14.87	92.91	6.25	14.87	92.91	6.25	10.00
	Bhatadi (Q-I & Scheme)			11.50	81.64	7.10	5.60	41.84	7.47	5.60	41.84	7.47	
	Bhatadi (Q-II)			9.27	51.07	5.51	9.27	51.07	5.51	9.27	51.07	5.51	
	Total Chandrapur OC	6.475	6.965	108.030	607.510		71.426	421.270		69.606	419.810		
	Total Chandrapur Area	7.075	9.045	168.990	607.510		113.668	421.270		111.848	419.810		
Majri													
OC	NM OC Sec IA & IIA	1.20	2.50	17.01	103.75	6.10	6.93	48.20	6.95	6.93	48.20	6.95	4
	NM UG to OC	0.80	3.00	12.00	43.05	3.59	4.52	18.55	4.10	4.52	18.55	4.10	2
	Amalgamated Yekona I & II	2.75	2.75	57.85	452.49	7.82	56.29	443.80	7.88	56.29	443.80	7.88	21
	Majri Area Total	4.750	8.250	86.857	599.286		67.740	510.545		67.740	510.545		
Wani													
OC	Bellora Naigaon Deep	1.00	1.25	12.76	87.60	6.87	12.76	81.28	6.37	12.76	81.28	6.37	10.00
	Nijai Expn Deep	3.50	4.50	47.87	379.61	7.93	19.66	296.55	15.09	38.41	322.68	8.40	7.00
	Mungoli Niruguda Extn Deep	4.38	4.38	41.83	232.76	5.56	37.52	215.10	5.73	43.00	223.00	5.19	7.00
	Kolgaon	0.50	0.60	4.96	39.28	7.92	0.94	22.94	24.30	2.12	16.06	7.57	4.00
	Penganga	4.50	6.30	44.04	161.77	3.67	18.74	111.12	5.93	20.91	95.52	4.57	4.00
	Total Wani OC	13.875	17.025	151.460	901.020		89.620	726.995		117.198	738.537		
	Toatl Wani Area	13.875	17.025	151.460	901.020		89.620	726.995		117.198	738.537		
Wani North													
UG	Rajur	0.21	0.21	10.52			6.68			37.64			26.00
	Total Wani North UG	0.210	0.210	10.520			6.682			37.642			
OC													
	Ghonsa RPR	1.50	0.60	5.05	29.12	5.77	3.46	22.51	6.51	3.46	22.51	6.51	6.00
	Junad Extn	0.60	1.50	6.13	50.62	8.26	0.87	15.03	17.22	1.25	0.66	0.53	1.50
	Kolarpimpri Extn	1.50	1.50	34.32	273.51	7.97	31.08	257.78	8.29	31.08	257.78	8.29	21.00
	Ukni Deep	2.00	3.50	15.73	173.99	11.06	9.02	157.04	17.41	19.70	150.07	7.62	10.00
	OC WNA Total	5.600	7.100	61.226	527.236		44.431	452.359		55.488	431.019		
	WNA Total	5.810	7.310	71.746	527.236		51.113	452.359		93.130	431.019		
Umrer													
UG	Morpar	0.28	0.28	1.04			0.94			0.94			
	Total Umrer UG												
OC													
	Gokul	1.88	1.88	14.50	135.84	9.37	4.62	59.47	12.89	6.72	61.13	9.10	5.00
	MKD-I	2.00	3.50	34.68	218.58	6.30	24.24	165.40	6.82	24.24	165.40	6.82	7.00
	MKD-III	4.20	4.20	87.36	660.32	7.56	75.31	598.07	7.94	75.30	598.20	7.94	16.00
	Umrer Exp	2.00	4.90	18.68	32.57	1.74		8.53		4.50	8.51	1.89	1.50
	OC Umrer Area Total	10.075	14.475	155.220	1047.310		104.168	831.472		110.753	833.240		
	Umrer Area Total	10.075	14.475	156.264	1047.310		105.103	831.472		111.688	833.240		

WESTERN COALFIELDS LIMITED

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Area	NAME OF THE MINE / PROJECTS	PR Capacity 'MTY	Env. Capacity MPTA	Reserves as PR			Balance Reserve as on 01.04.2021			Balance Reserve as per Plan & Sec 01.04.2021			Balance Life in Yrs
				Coal	OB	SR	Coal	OB	SR	Coal	OB	SR	
Nagpur													
	Adasa												
	Patansaongi	0.30	0.30	19.30	0.00		12.68	0.00		12.68	0.00		41.00
	Saoner Mine No-1			38.56	0.00		13.03	0.00		11.71	0.00		12.00
	Saoner Mine No-2	0.96	2.00	21.88	0.00		15.10	0.00		12.14	0.00		60 yrs @ 0.25MT
	Saoner Mine No-3			16.29	0.00		11.99	0.00		11.99	0.00		60 yrs @ 0.20MT
	Silewara	0.52	0.55	18.36	0.00		7.49	0.00		4.45	0.00		29.00
	Waghoda	0.39	0.39	18.65	0.00		18.65	0.00		18.65	0.00		48.00
	UG Total Nagpur Area	2.170	3.240	133.036	0.000	0.000	78.941	0.000	0.000	71.618	0.000	0.000	
OC													
	Bhanegaon	1.00	1.15	24.03	134.24	5.59	22.13	123.90	5.60	22.13	123.90	5.60	23.00
	Amalgamated Gondegaon-G	3.50	3.50	22.19	98.20	4.43	15.28	64.71	4.23	15.28	61.79	4.04	4.40
	Inder UG to OC	1.20	1.20	23.25	115.29	4.96	19.76	103.29	5.23	19.76	103.13	5.22	16.00
	Kamptee Deep	2.00	2.00	24.09	140.48	5.83	19.71	121.77	6.18	19.71	120.90	6.13	13.00
	Singhori	0.80	1.12	12.30	66.73	5.43	8.91	50.92	5.72	8.91	50.92	5.72	8.00
	Adasa UG to OC	1.50	1.88	22.04	146.36	6.64	22.02	143.72	6.53	22.02	143.71	6.53	17.00
	OC Total Nagpur Area	10.000	10.845	127.896	701.300		107.805	608.307	33.483	107.805	604.355	33.240	
	Nagpur Area Total	12.170	14.085	260.932	701.300		186.746	608.307		179.423	604.355		
PKD													
UG													
	Tawa-I	0.45	0.80	12.47			3.76			3.76			9.00
	Tawa-II	0.86	0.60	11.12			5.62			5.62			7.80
	Chatapur-I	0.60	1.00	10.30			3.91			3.91			11.00
	Chatapur-II	0.20		5.24			0.21			0.21			3.5 (subject to the come of scientific study)
	Shobhapur												
	Total PKD UG	2.110	2.400	39.133			13.492			13.492			
	Total PKD Area	2.110	2.400	39.133			13.492			13.492			
Pench													
UG													
	Mahadeopuri	0.11	0.25	3.90			3.90			3.90			15.00
	Mathani	0.22	0.40	5.69			2.50			2.50			9.00
	Neharia	0.36	0.50	12.67			7.08			7.08			20.00
	Vishnupuri-II	0.25	0.26	12.46			9.71			9.71			6.00
	Dhankasa	1.00	1.20	18.49			18.49			18.49			20.00
	Jamunia	0.84	0.83	22.76			22.76			22.76			26.00
	UG Pench Area Total	2.783		75.954			64.434			64.434			
OC													
	Chinda	0.18	0.65	4.10	23.28	5.68	2.79	14.34		2.79	14.34		8.00
	Shivpuri (Scheme)					#DIV/0!							
	New Swethia (scheme)					#DIV/0!							
	New Swethia (Ex scheme)	0.50	0.50	1.88	9.62	5.12	0.34	3.11		0.34	3.11		1.00
	Barkui Phase-III (scheme)	0.27	0.75			#DIV/0!	0.13	0.31					
	Urdhan	0.50	0.70	8.46	38.52	4.55	6.31	27.15		6.31	27.16		12.00
	OC Pench Area Total	1.448	2.600	14.440	71.424		9.571	44.905		9.438	44.608		
	Pench Area Total	4.231	2.600	90.394	71.424		74.005	44.905		73.872	44.608		
Kanhan													
UG													
	Maori	0.23	0.45	18.73			0.83			0.83			4.00
	Tandsi	0.90	0.90	15.67			3.76			3.76			11.00
	Sharda	0.32	0.32	7.09			7.09			7.09			23.00
	UG Kanhan Area Total	1.455	1.665	41.485			11.680			11.680			
OC													
	Mohan OC Ph-IV		1.00	1.13	4.60	4.06	0.18	1.92	10.85	0.36	1.92	5.31	11 months
	Ghorawari 16/17 OC (under scheme)		1.50										
	Bharat OC Ph-II (scheme)												
	Bharat OC Ph-III (scheme)			0.45	3.60	7.96	0.45	3.60	7.96	0.45	3.60	7.96	1 Yr 1 month
	OC Kanhan Area Total	0.000	2.500	1.585	8.201		0.629	5.520		0.814	5.520		
	Kanhan Area Total	1.455	4.165	43.070	8.201		12.309	5.520		12.494	5.520		
	Total WCL UG	2.035	2.245	91.085	0.000		33.294	0.000		263.660	0.000		
	Total WCL OC	59.698	77.180	781.014	4895.15		557.943	3939.554		601.395	3925.82		
	Total WCL	61.733	79.425	872.099	4895.15		591.237	3939.554		865.055	3925.82		

TABLE 28

WESTERN COALFIELDS LIMITED																		
PERFORMANCE OF LOSS MAKING UG MINES OF WCL PRODUCING FOR THE PERIOD 2020-21 vs 2019-20																		
SL NO	AREA	NAME OF MINE	MANPOWER		Actual Manshifts		O.M.S		SALARY		COST		SALES		PROFIT/LOSS			
			20-21	19-20	20-21	19-20	20-21	19-20	20-21	19-20	20-21	19-20	20-21	19-20	20-21	19-20		
			(Nos)		(Lakhs)		(Te)		(Rs Lakhs)		(Rs/Te)		(Rs/Te)		(Rs/LAKHS)			
GROUP-I UG MINES																		
1	CHANDRAPUR	MAND INCLINE	477	480	1.21045	1.28284	0.634	0.647	5873.9799	5956.3102	11169.47288	9472.010226	2243.328858	2489.1156	-8926.144	-6982.895	-6847.334	-5796.152
2	CHANDRAPUR	MANNA	473	472	1.28478	1.20457	0.560	0.764	6427.7402	6015.2862	11913.18627	8153.83711	2326.500285	2794.6851	-9586.686	-5859.152	-5990.702	-5390.713
3	PATHAKHEDA	CHATTARPUR II	209	256	0.55391	0.71504	1.270	1.050	3130.08	3615.82	6139.766366	6527.688208	2436.294407	2449.3671	-3703.472	-4078.321	-2605.393	-3060.748
4	KANHAN	MOHAN / MOURI	577	607	1.38002	1.52115	1.370	1.210	7759.696022	7120.212833	6370.454685	6657.026319	1560.249386	1415.3161	-4810.211	-5241.71	-9091.299	-9641.445
5	PENCH	MATHANI	308	340	0.87539	1.007620954	0.982	1.206	4639.630708	4804.367986	8965.22755	7443.439076	1916.114841	1921.8531	-7049.113	-5521.586	-6120.956	-6708.837
			2044	2155					27511.99722								-31567.68	-30597.93
GROUP-II UG MINES																		
1	NAGPUR	SILEWARA	653	733	1.52807	1.73768	0.635	0.706	8363.971667	10735.64667	11869.13756	11364.1425	1803.55069	1777.0488	-10065.59	-9587.094	-9774.779	-11762.5
2	BALLARPUR	BALLARPUR	880	787	2.063794264	1.991524361	0.519	0.507	9602.463581	8951.242493	11210.34513	11538.99126	1397.392422	2950.9632	-9812.953	-8588.028	-10183.39	-8995.055
3	CHANDRAPUR	D.RAVATWARI	847	987	2.05404	2.53571	0.240	0.612	10424.4998	12707.4135	27649.01503	10511.32573	1898.706197	1677.2228	-25750.31	-8834.103	-12697.99	-13701.69
4	WANI NORTH	Rajur	632	717	1.5871	1.6679	0.353	0.402	7214.42	8017.66	15459.41651	15103.74854	2130.088559	2742.9025	-13329.33	-12360.85	-7465.49	-8296.847
5	UMRER	MURPAR	445	251	0.97969	0.95411	0.539	0.491	4351.102589	4044.539427	10592.86943	10911.97961	1145.99897	1945.5721	-9446.87	-8966.407	-4987.948	-4196.279
	Total GROUP-II		3457	3475	8.212694264	8.886924361			39956.45764	44456.50209							-45107.6	-46352.38
GROUP-III UG MINES																		
1	NAGPUR	SAONER	2235	2235	4.79974	4.92192	1.134	1.230	23488.655	25459.34667	5938.833524	5328.263277	1787.441829	1704.7475	-4151.392	-3623.516	-22593.74	-21931.98
2	NAGPUR	PATANSANGI	452	455	1.03917	1.06258	0.608	0.654	5904.43375	6416.163333	12754.7441	12272.39044	1609.445112	1811.4316	-11145.3	-10460.96	-7046.058	-7263.985
3	PATHAKHEDA	CHATTARPUR I	770	878	1.78942	2.05533	1.735	1.781	8218.09	8797.8	4328.28216	3924.937158	2453.844092	2147.9235	-1874.438	-1777.014	-5821.086	-6503.87
4	PATHAKHEDA	TAWA - II	752	828	1.77095	1.86066	1.739	1.716	8140.96	8128.36	4244.428154	4314.600689	2492.445572	2649.358	-1751.983	-1665.243	-5396.106	-5317.12
5	PATHAKHEDA	TAWA - I	876	989	2.02367125	2.25148	1.826	1.920	9780.15	10669.5	4214.091427	4095.780708	2773.074679	2331.6424	-1441.017	-1764.138	-5325.998	-7626.37
6	PENCH	MAHADEOPURI	429	456	1.212925	1.241480378	0.559	0.771	5868.070462	5140.991003	12187.31977	8451.37086	1325.651007	1322.5344	-10861.67	-7128.836	-7366.167	-6819.302
7	KANHAN	TANDSI	821	746	1.85383	1.57753	0.976	1.125	9827.4243	8143.089889	7735.865175	6988.181158	3521.773481	3370.3268	-4214.092	-3617.854	-7627.506	-6421.692
8	PENCH	NEHERYA	910	975	2.251629531	2.585493671	0.978	1.290	10434.55062	9625.037509	8456.43958	6164.461896	1854.239648	1800.1651	-6602.2	-4364.297	-14512.03	-14542.93
9	PENCH	VISHNUPURI II	495	473	1.264647	1.370785902	0.739	0.711	6154.404164	5167.400446	10064.13333	8700.87184	1876.64854	1988.2366	-8187.485	-6712.635	-7648.421	-6539.516
	Total GROUP-III		7034	7562	16.74133578	17.55647405			81662.33413	82380.2884							-75688.69	-76427.25
	WCL UG TOTAL		14970	15903	36.46156042	39.41950744			181356.6786	187484.2457							-186077.7	-185991.8
Note- The production from highlighted four UG Mines have been discontinued during FY 2021-22.																		
1	PATHAKHEDA	SOBHAPUR *	327	438	0.90332	1.13859	1.729	1.494	5108.54	6236.1	4886.906442	5271.31268	2323.503877	2387.4669	-2563.403	-2883.846	-4002.907	-4905.71
2	PATHAKHEDA	SARNI	226	302	0.6079625	0.89675	1.217	1.422	3465.74	4640.76	6707.135238	5299.913759	2228.329684	2245.1588	-4478.806	-3054.755	-3313.42	-3896.34
3	BALLARPUR	SASTI	680	749	1.702970874	1.908422178	0.447	0.563	8089.886268	8740.756573	12540.69104	9394.484708	1986.679683	2276.3471	-10554.01	-7118.138	-8030.547	-7644.524
4	CHANDRAPUR	MAHAKALI	707	749	1.72408	1.93034	0.467	0.430	9088.1896	8850.441	15400.71025	13785.86525	2087.923622	2185.7024	-13302.79	-11600.16	-10718.45	-9628.133
	Total		42475	44998	97.87715089	105.2824133			512163.2759	529317.2792							-524519.4	-525361.1

Financial performance of UG Mines of WCL for the period 2020-21 and impact on loss of revenue on mine closure																	
Sl. No.	AREA	NAME OF MINE	COAL PRODUCTION	MAN POWER	Actual Manshifts	O.M.S	SALARY	COST		SALES		PROFIT/LOSS \$S	Production Req. to recover Salary & Wages Cost	Prod. Req. to recover Total Cost	When Mine operations are suspended then total Cost (Salary and Wages+Other Cost)(B)	Diff(A-B) Saving in cost (D)	Revenue loss(D-E)
								20-21	20-21	20-21	20-21						
			(L.T.)	(Nos)	(Lakhs)	(Te)	(Rs Lakhs)	(Rs/Te)	(Rs/Lakhs)(A)	(Rs/Te)	(Rs/Lakhs)(E)	(Rs./Te)	Lakh Te.	Lakh Te.	Rs.Lakhs	Rs.Lakhs	Rs.Lakhs
1	NAGPUR	SAONER	5.44245	2024	4,79974	1.13391	23488.655	5938.83	32321.805	1787.44	9874.16	-4151.392	16.29	17.38	23971.24	8350.565	-1523.595487
2	PENCH	NEHERIYA	2.20106	910	2.25163	0.97754	10434.5506	8456.44	18613.131	1854.24	4322.59	-6602.2	8.08	8.8	10607.24	8005.891	3683.300901
3	CHANDRAPUR	D.RAYATWARI	0.49312	847	2.05404	0.24007	10424.4998	27649	13634.282	1898.71	1003.77	-25750.31	16.79	17.81	10932.86	2701.422	1697.65229
4	CHANDRAPUR	MAHAKALI	0.80573	707	1.72408	0.46734	9088.1896	15400.7	12408.814	2097.92	1701.26	-13302.79	9.49	10.12	9341.41	3067.404	1366.144268
5	BALLARPUR	BALLARPUR	1.07055	880	2.063794	0.51873	9602.46358	11210.3	12001.235	1397.39	1407.45	-9812.953	13.95	14.81	9455.63	2545.605	1138.154982
1	NAGPUR	SILEWARA	0.971	653	1.528	0.695	8363.972	11869.14	11525.53	1803.551	1785.13	-10065.587	13.59	14.44	8767.84	2757.686	972.5560234
2	KANHAN	MOHAN / MOURI	1.890	577	1.380	1.370	7759.696	6370.455	12040.16	1560.243	2980.12	-4810.211	6.22	6.8	7564.86	4475.294	1495.179356
3	BALLARPUR	SASTI	0.762	680	1.703	0.447	8089.886	12540.69	9549.74	1986.68	1656.44	-10554.011	5.51	5.83	8107.3	1442.4362	-214.0037699
4	PENCH	VISHNUPURI II	0.935	495	1.265	0.739	6154.404	10064.13	9409.96	1876.649	1935.78	-8187.485	4.36	4.69	6341.93	4169.526	-2323.614033
5	KANHAN	TANDSI	1.810	821	1.854	0.976	9827.424	7735.865	14001.91	3521.773	6493.14	-4214.092	3.1	3.35	9832.39	1163.14	-27.93
6	WANI NORTH	BHANDWARA INCL.	0.560	632	1.587	0.353	7214.420	15459.42	8658.51	2130.089	1191.07	-13329.328	7.15	7.57	7495.37	1163.14	-27.93
7	PENCH	MAHADEOPURI	0.679	429	1.213	0.559	5868.070	12187.32	8270.56	1325.651	1169.42	-10861.669	7.61	8.15	5956.86	2313.6989	1144.27894
8	NAGPUR	PATANSANGI	0.632	452	1.039	0.608	5904.434	12754.74	8064.19	1609.445	1026.63	-11145.299	19.49	20.75	5955.67	2108.517	1081.886955
9	CHANDRAPUR	MANNA	0.720	473	1.285	0.560	6427.740	11913.19	8577.85	2326.5	1717.20	-9586.686	3.85	4.1	6628.75	1949.1015	231.9015124
10	CHANDRAPUR	NAND INCLINE	0.767	477	1.210	0.634	5873.980	11169.47	8568.21	2243.329	1750.34	-8926.144	3.85	4.9	6064.12	2504.0943	753.7543388
11	PENCH	MATHANI	0.869	308	0.875	0.992	4639.631	8965.228	7788.09	1916.115	1896.47	-7046.058	3.58	3.88	4677.74	3110.3532	1213.883172
12	PATHAKHEDA	CHATTARPUR I	3.106	770	1.789	1.735	8218.090	4328.282	13441.56	2453.844	7479.81	-1874.438	3.74	4.04	8514.02	4927.5035	-2552.306469
13	PATHAKHEDA	TAWA - II	3.080	752	1.771	1.739	8140.960	4244.428	13072.84	2492.446	7624.40	-1751.983	3.52	3.8	8375.97	4696.8687	-2927.531286
14	PATHAKHEDA	TAWA - I	3.696	876	2.024	1.826	9780.150	4214.091	15575.28	2773.075	10069.87	-1441.017	3.96	4.27	10326.59	5248.6919	-4824.178084
20	UMRER	MURPAR	0.528	445	0.97969	0.538946	4351.102589	10592.87	5593.035	1145.999	1050.37	-9446.8705	6.7	7.13	4266.12	1326.9151	276.5450607
21	PATHAKHEDA	SOBHAPUR	1.56156	327	0.90332	1.72869	5108.54	4886.906	7631.198	2323.504	3629.4	-2563.4026	6.7	7.13	4266.12	1326.9151	276.5450607
22	PATHAKHEDA	SARNI	0.7398	226	0.6079625	1.216851	3465.74	6707.135	4961.939	2228.33	1655.2	-4478.8056	1.52	1.62	3228	1091.3256	-694.5043613
23	PATHAKHEDA	CHATTARPUR II	0.7035	209	0.55391	1.270062	3130.08	6139.766	4819.326	2436.294	1785.83	-3703.472	1.52	1.62	3228	1091.3256	-694.5043613

TABLE 30

WESTERN COALFIELDS LIMITED													
LOSS MAKING UG MINES OF WCL PRODUCING LESS WHERE SALARY & WAGES COST PER Te IS MORE THAN SALE VALUE PER Te FOR THE PERIOD 2020-21													
SL NO	AREA	NAME OF MINE	TYPE OF MINES	COAL PROD. (L.T.)	MANPOWER (Nos)	O.M.S (Te)	20-21 (Rs Lakhs)	20-21 Rs/Te	TOTAL COST (Rs/Te)	SALES (Rs/Te)	PROFIT/LOSS (Rs./Te)	20-21 (Rs.LAKHS)	PROFIT/LOSS (Rs.LAKHS)
1	PENCH	URDHAN	UG	0.29406	78	1.26	1164.66	3960.62	10993.29	1013.53	-9979.75	-2934.65	
1	CHANDRAPUR	D.RAYATWARI	UG	0.49312	847	0.240	10424.5	21139.88	27649.02	1898.71	-25750.309	-12697.992	
2	UMRER	MURPAR	UG	0.52800	445	0.539	4351.1026	8240.72	10592.87	1146.00	-9446.870	-4987.948	
3	WANI NORTH	Rajur	UG	0.56008	632	0.353	7214.42	12881.05	15459.42	2130.09	-13329.328	-7465.490	
4	NAGPUR	PATANSRONGI	UG	0.63225	452	0.608	5904.4338	9338.76	12754.74	1609.45	-11145.299	-7046.058	
5	PENCH	MAHADEOPURI	UG	0.67862	429	0.559	5868.0705	8647.06	12187.32	1325.65	-10861.669	-7366.167	
6	PATHAKHEDA	CHATTARPUR II	UG	0.70350	209	1.270	3130.08	4449.30	6139.77	2436.29	-3703.472	-2605.393	
7	CHANDRAPUR	MANNA	UG	0.72003	473	0.560	6427.7402	8927.04	11913.19	2326.50	-9586.686	-6902.702	
8	PATHAKHEDA	SARNI	UG	0.73980	226	1.217	3465.74	4684.70	6707.14	2228.33	-4478.806	-3313.420	
9	BALLARPUR	SASTI	UG	0.76150	680	0.447	8089.8863	10623.62	12540.69	1986.68	-10554.011	-8030.547	
10	CHANDRAPUR	NAND INCLINE	UG	0.76711	477	0.634	5873.9799	7657.29	11169.47	2243.33	-8926.144	-6847.334	
11	CHANDRAPUR	MAHAKALI	UG	0.80573	707	0.467	9088.1896	11279.45	15400.71	2097.92	-13302.787	-10718.454	
12	PENCH	MATHANI	UG	0.86870	308	0.992	4639.6307	5340.89	8965.23	1916.11	-7049.113	-6120.956	
13	PENCH	VISHNUPURI II	UG	0.93500	495	0.739	6154.4042	6582.25	10064.13	1876.65	-8137.485	-7648.421	
14	NAGPUR	SILEWARA	UG	0.97105	653	0.635	8363.9717	8613.33	11869.14	1803.55	-10065.587	-9772.779	
15	BALLARPUR	BALLARPUR	UG	1.07055	880	0.519	9602.464	8969.654	11210.345	1397.392	-9812.953	-10183.392	
16	PENCH	NEHERYA	UG	2.20106	910	0.978	10434.551	4740.693	8456.440	1854.240	-6602.200	-14512.032	
17	KANHAN	MOHAN / MOURI	UG	1.89000	577	1.370	7759.696	4105.659	6370.455	1560.243	-4810.211	-9091.299	
18	KANHAN	TANDSI	UG	1.81000	821	0.976	9827.424	5429.516	7735.865	3521.773	-4214.092	-7627.506	
19	NAGPUR	SAONER	UG	5.44245	2024	1.134	23488.655	4315.824	5938.834	1787.442	-4151.392	-22593.742	
20	PATHAKHEDA	SOBHAPUR	UG	1.56156	327	1.729	5108.540	3271.434	4886.906	2323.504	-2563.403	-4002.907	
21	PATHAKHEDA	CHATTARPUR I	UG	3.10551	770	1.735	8218.090	2646.293	4328.282	2453.844	-1874.438	-5821.086	
22	PATHAKHEDA	TAWA - II	UG	3.08000	752	1.739	8140.960	2643.169	4244.428	2492.446	-1751.983	-5396.106	
23	PATHAKHEDA	TAWA - I	UG	3.69600	876	1.826	9780.150	2646.144	4214.091	2773.075	-1441.017	-5325.998	
TOTAL UG							181356.68	5330.630306				-186077.7281	

TABLE 31

SR.NO	AREA	NAME OF MINE	Projected Financial performance of UG Mines of WCL for the period of FY 2021-22											
			REVENUE PRODUCCN	MANPOWER	Actual Manshifts	EMS	O.M.S	SALARY	COST	SALES	PROFIT/LOSS	PROFIT/LOSS	PROFIT/LOSS	
			2021-22 (L.T.)	(Nos.)	(Lakhs)	(Rs.)	(Te)	(Rs Lakhs)	(Rs/Te)	(Rs/Te)	(Rs/Te)	(Rs./Te)	(Rs./Te)	(Rs./Te)
1	NAGPUR	SAONER	4.70000	2024	4.32172	5549.83	1.09	23984.83	6455.25	1485.39	-4969.87	-3564.60	-23358.37	
2	PENCH	NEHERIYA	2.90000	910	2.227	5280.20	1.3	11250.63	7564.43	1633.73	-5930.7	-4332.35	-17181.23	
3	CHANDRAPUR	D.RAYATWARI	1.00000	847	1.90977	5980.43	0.52	11325.78	14593.08	1856.25	-12736.83	-8763.16	-12736.83	
4	NAGPUR	SILEWARA	0.85000	653	1.27069	8346.83	0.67	10606.23	16555.88	1620.72	-14935.16	-9496.09	-12694.89	
5	KANHAN	MOHAN / MOURI	1.80000	577	1.13595	5748.54	1.49	6930.10	6164.38	1203.61	-6960.77	-5157.16	-12529.38	
6	PATHAKHERA	TAWA - I	3.25000	876	2.07654	5682.87	1.57	11800.71	5860.1	2168.73	-3691.36	-1664.18	-11996.92	
7	PATHAKHERA	CHATTARPURI	3.75000	770	1.86820	5343.68	2.01	9983.06	4775.75	1675.21	-3100.54	-1653.43	-11627.03	
8	KANHAN	TANDSI	1.40000	821	1.62601	5444.48	0.82	9291.12	10913.14	3346.34	-7566.8	-3591.39	-10593.52	
9	CHANDRAPUR	MAHAKALI	1.05000	707	1.73368	5734.54	0.61	9941.86	12238.66	2277.86	-9960.8	-11484.92	-10458.84	
10	NAGPUR	PATANSAONGI	0.65000	452	0.98546	5688.77	0.66	5606.06	7992.62	1613.98	1049.09	-10449.41	-10143.53	
11	BALLARPUR	BALLARPUR	1.10000	880	1.92	4955.44	0.55	9878.93	11266.78	3386.591	-7880.19	-8283.25	-8668.21	
12	PENCH	VISHNUPURI II	0.90000	495	1.229	5441.37	0.73	6438.53	11082.4	1748.95	-9333.45	-6679.94	-8392.27	
13	PENCH	MAHADEOPURI	0.80000	429	1.1930	5313.75	0.67	6123.22	11469.25	1291.11	-10178.14	-7095.31	-8137.83	
14	WANI NORTH	BHANDEWARA INCL.	0.80000	632	1.52485	4523.89	0.52	6898.25	12127.29	2032.1	-10095.2	-12319.73	-8076.16	
15	BALLARPUR	SASTI	0.70000	680	1.57	4783.51	0.43	7770.27	13815.37	2491.14	-11324.23	-7064.01	-7926.96	
16	PENCH	MATHANI	0.90000	308	0.83900	5660.63	1.07	4595.24	9012.57	1650.03	-7362.53	-5492.91	-6624.29	
17	CHANDRAPUR	MANNA	0.65000	473	1.14094	5460.84	0.57	6230.5	11999.26	2137.53	-9861.74	-5843.84	-6410.13	
18	CHANDRAPUR	NAND INCLINE	0.75000	477	1.11337	5164.49	0.67	5861.31	10429.59	2292.73	-8136.86	6961.39	-6102.65	
19	UMRER	MURPAR	0.80000	445	0.93594	4602.91	0.85	4308.04	7203.1	1477.27	-5725.83	-8942.24	-4580.66	
20	PATHAKHERA	TAWA - II	5.45000	752	1.86497	5301.00	2.92	9886.21	3377.49	2150.45	-1227.05	-1566.01	-3691.37	
21	PATHAKHERA	CHATTARPUR II	0.60000	209	0.46132	6628.31	1.30	3057.77	7266.3	2059.98	-5206.32	-4130.35	-3123.79	
22	PATHAKHERA	SOBHAPUR	0.20000	327	0.33130	6461.91	0.60	2140.83	15916.36	1724.69	-14191.66	-2847.89	-2838.33	
WCL UG TOTAL			35.0000	14744	33.78	2590.25	1.20	185307.97	8000.28	1924.19	-6076.09		-213911.32	

NON-EXECUTIVE MANPOWER STATUS OF OC MINES OF WCL

TABLE 32

Sr. No.	Mine	AAP Target coal (lacs) 2021-22		Manpower		Retirement	Projected Manpower	Retirement	Projected Manpower	Retirement	Projected Manpower	Sanctioned Manpower	Shortage/Surplus in 2021-22	Shortage/Surplus in 2021-22
		Debit	Contractual	on 1.4.21	on 01.03.2022	2021-22	1.4.22	2022-23	1.4.23	2023-24	1.4.24	2021-22	wrt 1.04.21	wrt 01.03.2022
1	BALLARPUR OC	0.00	5.00	264	207	11	204	15	189	18	171	155	109	52
2	SASTI EX OCM	16.00	0.00	772	702	61	684	71	613	66	547	830	-58	-128
3	GAURI EXP OCM	14.00	0.00	481	458	23	451	27	424	40	384	472	9	-14
4	POUNI OCM	0.00	0.00	376	343	16	338	16	322	22	300	308	68	35
5	GOURI DEEP OCM	4.00	0.00	457	409	10	406	16	390	24	366	395	62	14
6	PAUNI II OCM	0.00	32.00	201	245	2	244	1	243	1	242	240	-39	5
	BALLARPUR AREA	34.00	37.00	2551	2364	123	2327	146	2181	171	2010	2400	151	-36
7	DURGAPUR OCM	18.00	0.00	1031	934	93	906	84	822	77	745	889	142	45
8	LALPETH OCM	0.00	6.00	173	197	9	194	22	172	18	154	184	-11	13
9	PADMAPUR	4.00	0.00	841	752	59	734	98	636	79	557	730	111	22
10	BHATADI	13.00	0.00	728	687	33	677	37	640	34	606	689	39	-2
	CHANDRAPUR AREA	35.00	6.00	2773	2570	194	2512	241	2271	208	2063	2492	281	78
11	NEW MAJRI	20.00	0.00	773	691	59	673	69	604	61	543	454	319	237
12	N MAJRI UG TO OC	20.00	0.00	614	584	22	577	41	536	50	486	593	21	-9
13	YEKONA I & II	0.00	22.00	182	206	3	205	7	198	5	193	227	-45	-21
	MAJRI AREA	40.00	22.00	1569	1481	84	1456	117	1339	116	1223	1274	295	207
14	BHANEAGAON	0.00	6.25	185	183	3	182	8	174	1	173	174	11	9
15	KAMPEE	8.00	0.00	446	387	46	373	45	328	23	305	531	-85	-144
16	GONDEGAON	29.50	5.50	750	706	33	696	35	661	27	634	807	-57	-101
17	INDER UG TO OC	0.00	12.00	120	127	3	126	6	120	4	116	137	-17	-10
18	SINGHORI	0.00	11.20	168	168	0	168	0	168	1	167	165	3	3
19	ADASA UG TO OC	0.00	4.50	115	126	3	125	5	120	3	117	151	-36	-25
	NAAGPUR AREA	37.50	39.45	1784	1697	88	1671	99	1572	59	1513	1965	-181	-268
20	GHUGUS	0.00	0.00	297	280	8	278	7	271	10	261	283	14	-3
21	NAIGAON	6.00	0.00	166	296	5	295	5	290	12	278	343	-177	-47
22	NIJAI	40.00	0.00	1016	845	46	831	46	785	37	748	807	209	38
23	MUNGOLI	43.00	0.00	915	872	26	864	44	820	39	781	980	-65	-108
24	KOLGAON	0.00	6.00	88	94	0	94	2	92	1	91	117	-29	-23
25	PENGANGA	25.00	38.00	542	535	10	532	10	522	12	510	626	-84	-91
	WANI AREA	114.00	44.00	3024	2922	95	2894	114	2780	111	2669	3156	-132	-234
26	UKHI	10.00	0.00	733	725	28	717	35	682	32	650	711	22	34
27	KOLARPIMPRI	0.00	15.00	359	321	17	316	20	296	17	279	369	-10	-48
28	GHONSA	6.00	0.00	486	474	17	469	23	446	27	419	497	-11	-23
29	JUNAD	8.00	0.00	281	288	11	285	11	274	20	254	325	-44	-37
	WANI NORTH	24.00	15.00	1859	1808	73	1786	89	1697	96	1601	1902	-43	-94
30	JUMRER EXP	22.00	0.00	962	899	38	888	55	833	40	793	863	99	36
31	MKD I	0.00	35.00	206	212	6	210	5	205	5	200	240	-34	-28
32	MKD II/DINESH	0.00	33.00	260	257	3	256	0	256	2	254	277	-17	-20
33	GOKUL	0.00	18.75	229	223	3	222	4	218	3	215	231	-2	-8
	UMRER AREA	22.00	86.75	1657	1591	50	1576	64	1512	50	1462	1611	46	-20
34	URDHAN	0.00	3.00	72	75	2	74	1	73	6	67	96	-24	-21
35	NEW SETHA	0.00	0.70	60	71	3	70	2	68	6	62	46	14	25
36	BARKUI	0.00	0.80	44	39	3	38	2	36	2	34	23	21	16
37	SHIVPURI	0.00	0.00	98	76	2	75	7	68	4	64	40	58	36
	PENCH AREA	0.00	4.50	274	261	10	258	12	246	18	228	205	69	56
38	GHORAWADI NO-2	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
39	BHARAT III	0.00	1.80	43	37	0	37	0	37	0	37	131	-88	-94
40	MIHAN	0.00	2.00	0	0	0	0	0	0	0	0	0	0	0
	KANHAN AREA	0.00	3.80	43	37	0	37	0	37	0	37	131	0	-94
	WCL OC	306.50	258.50	15534	14731	717	14516	882	13634	829	12805	15136	398	-405

Note- The highlighted mines represent the 19 No. of loss making OC Mines as per Cost Sheet of Prog. Dec'21

TABLE 33

Sr.No.	Mine	AAP Target (Lte.)	MANPOWER STATUS OF UG MINES OF WCL as on 01.03.2022										Shortage/ Surplus As on 1.03.2022
			Manpower As on 1.4.21	Manpower As on 1.03.2022	Retirement during 2021-22	Projected 1.4.2022	Retirement during 2022-23	Projected 1.4.2023	Retirement during 2023-24	Projected 1.4.2024	Sanctioned Manpower 2021-22	Shortage/ Surplus As per 1.04.21	
1	DRC	1.05	664	761	70	740	79	661	63	598	672	-8	89
2	MAHAKALI	1.00	572	309	48	295	61	234	44	190	538	34	-229
3	MANDGAON	0.75	412	420	28	412	27	385	28	357	386	26	34
4	MANA INCL.	0.65	406	382	45	369	43	326	28	298	382	24	0
5	CHP AREA	3.45	2054	1872	191	1815	210	1605	163	1442	1978	76	-106
6	BALLAPUR	1.10	865	891	33	881	40	841	36	805	749	116	142
7	SASTI	0.70	670	531	44	518	49	469	35	434	591	79	-60
8	BLP AREA	1.80	1535	1422	77	1399	89	1310	71	1239	1340	195	82
9	RAIUR	0.80	631	579	37	568	34	534	32	502	656	-25	-77
10	W.NORTH AREA	0.80	631	579	37	568	34	534	32	502	656	-25	-77
11	SILEWARA	0.85	549	512	63	493	65	428	44	384	555	-6	-43
12	PATANSANGI	0.65	392	380	37	369	36	333	31	302	415	-23	-35
13	SAONER-I	1.60	660	628	32	618	65	553	48	505	639	21	-11
14	SAONER-II	1.80	547	511	33	501	38	463	44	419	579	-32	-68
15	SAONER-III	1.30	513	507	29	498	47	451	28	423	530	-17	-23
16	Waghoda		51	35	3	34	2	32	3	29	87	-36	-52
17	NGP AREA	6.20	2712	2573	197	2514	253	2261	198	2063	2805	-57	-232
18	MURPAR	0.80	430	440	9	437	10	427	16	411	390	40	50
19	UMRER AREA	0.80	430	440	9	437	10	427	16	411	390	40	50
20	CHATTARPUR-I	3.75	753	724	52	708	53	655	24	631	896	-143	-172
21	CHATTARPUR-II	0.60	202	238	30	229	31	198	26	172	229	-27	9
22	SHOBHAPUR	0.20	317	0	45	-14	58	-72	51	-123	31	286	-31
23	SARNI	0.00	216	61	20	55	13	42	10	32	65	151	-4
24	TAWA-I	3.25	853	827	73	805	67	738	55	683	1027	-174	-200
25	TAWA-II	5.45	731	818	56	801	52	749	46	703	975	-244	-157
26	PATHAKHERA AR	13.25	3072	2668	276	2585	274	2311	212	2099	3223	-151	-555
27	MAHADEOPURI	1.00	422	389	20	383	17	366	26	340	445	-23	-56
28	MATHNI	0.70	299	277	6	275	11	264	13	251	267	32	10
29	NEHARIYA	2.90	892	841	19	835	25	810	17	793	903	-11	-62
30	VISHNUPURI-II	0.90	485	465	22	458	25	433	19	414	442	43	23
31	Jamunia		0	0	0	0	0	0	0	0	2	-2	-2
32	VISHNUPURI-I		32	0	1	0	1	-1	3	-4	0	32	0
33	PENCH AREA	5.50	2130	1972	68	1952	79	1873	78	1795	2059	71	-87
34	Mohan/Mouri (Mixed Mine)	1.80	602	572	39	560	45	515	26	489	704	-102	-132
35	TANDSI	1.40	795	745	36	734	40	694	34	660	713	82	32
36	Sharda		26	44	1	44	3	41	3	38	46	-20	-2
37	Nandan-2		56	62	10	59	6	53	1	52	30	26	32
38	Ghorawari(Mixed Mine)		269	154	20	148	27	121	11	110	131	138	23
39	KANHAN AREA	3.20	1748	1577	106	1545	121	1424	75	1349	1624	124	-47
40	WCL UG	35.00	14312	13103	961	12815	1070	11745	845	10900	14075	237	-972

05 highlighted mines represent the production discontinued mines.

2020-21			
S.No	MINE	AREA	TYPE
1	B'PUR OC	BALLARPUR	OC
2	GOURI DEEP	BALLARPUR	OC
3	GOURI OC	BALLARPUR	OC
4	POUNI II & III OC	BALLARPUR	OC
5	POUNI OC	BALLARPUR	OC
6	SASTI OC	BALLARPUR	OC
7	B'PUR UG	BALLARPUR	UG
8	SASTI UG	BALLARPUR	UG
9	BOC	CHANDRAPUR	OC
10	DOC	CHANDRAPUR	OC
11	HLOC	CHANDRAPUR	OC
12	POC	CHANDRAPUR	OC
13	DURGAPUR RAYATWARI UG	CHANDRAPUR	UG
14	MANNA	CHANDRAPUR	UG
15	MKC	CHANDRAPUR	UG
16	NI	CHANDRAPUR	UG
17	AMBHARA / BHARAT O/C	KANHAN	OC
18	MOHAN O/C	KANHAN	OC
19	MOHAN	KANHAN	UG
20	TANDSI	KANHAN	UG
21	NMOC IA & IIA EXTN.	MAJRI	OC
22	NMUG TO OC	MAJRI	OC
23	YEKONA	MAJRI	OC
24	BHANEGAON OC	NAGPUR	OC
25	G'GAON	NAGPUR	OC
26	IND.CONV.	NAGPUR	OC
27	K'TEE DEEP	NAGPUR	OC
28	SINGORI OC	NAGPUR	OC
29	P'SAONGI	NAGPUR	UG
30	SAONER	NAGPUR	UG
31	SILEWARA	NAGPUR	UG
32	CHAT I	PATHAKHERA	UG
33	CHAT II	PATHAKHERA	UG
34	SARNI	PATHAKHERA	UG
35	SHOBHAPUR	PATHAKHERA	UG
36	TAWA	PATHAKHERA	UG
37	TAWA - II	PATHAKHERA	UG
38	BARKUHI	PENCH	OC
39	N.SETHIA	PENCH	OC
40	SHIVPURI	PENCH	OC
41	URDHAN	PENCH	OC
42	MAHADEV	PENCH	UG
43	MATHANI	PENCH	UG
44	NEHERIYA	PENCH	UG
45	VPURI-II	PENCH	UG
46	GOKUL OC	UMRER	OC
47	MKD I	UMRER	OC
48	MKD III OC	UMRER	OC
49	UMRER OC	UMRER	OC
50	MURPAR UG	UMRER	UG
51	KOLGAON	WANI	OC
52	MUNGOLI	WANI	OC
53	NAIGOAN	WANI	OC
54	NEELJAI -II	WANI	OC
55	PENGANGA	WANI	OC
56	GHONSA	WANI NORTH	OC
57	JUNAD	WANI NORTH	OC
58	KOLARPIMPRI EXTN	WANI NORTH	OC
59	UKNI	WANI NORTH	OC
60	BHANDEWADA	WANI NORTH	UG

2021-22			
S.No	MINE	AREA	TYPE
1	B'PUR OC	BALLARPUR	OC
2	GOURI DEEP	BALLARPUR	OC
3	GOURI OC	BALLARPUR	OC
4	POUNI II & III OC	BALLARPUR	OC
5	POUNI OC	BALLARPUR	OC
6	SASTI OC	BALLARPUR	OC
7	B'PUR UG	BALLARPUR	UG
8	SASTI UG	BALLARPUR	UG
9	BOC	CHANDRAPUR	OC
10	DOC	CHANDRAPUR	OC
11	HLOC	CHANDRAPUR	OC
12	POC	CHANDRAPUR	OC
13	DURGAPUR RAYATWARI UG	CHANDRAPUR	UG
14	MANNA	CHANDRAPUR	UG
15	MKC	CHANDRAPUR	UG
16	NI	CHANDRAPUR	UG
17	MOHAN O/C	KANHAN	OC
18	MOHAN	KANHAN	UG
19	TANDSI	KANHAN	UG
20	NMOC IA & IIA EXTN.	MAJRI	OC
21	NMUG TO OC	MAJRI	OC
22	YEKONA	MAJRI	OC
23	ADASA UG TO OC	NAGPUR	OC
24	BHANEGAON OC	NAGPUR	OC
25	G'GAON	NAGPUR	OC
26	IND.CONV.	NAGPUR	OC
27	K'TEE DEEP	NAGPUR	OC
28	SINGORI OC	NAGPUR	OC
29	P'SAONGI	NAGPUR	UG
30	SAONER	NAGPUR	UG
31	SILEWARA	NAGPUR	UG
32	CHAT I	PATHAKHERA	UG
33	CHAT II	PATHAKHERA	UG
34	SHOBHAPUR	PATHAKHERA	UG
35	TAWA	PATHAKHERA	UG
36	TAWA - II	PATHAKHERA	UG
37	BARKUHI	PENCH	OC
38	N.SETHIA	PENCH	OC
39	URDHAN	PENCH	OC
40	MAHADEV	PENCH	UG
41	MATHANI	PENCH	UG
42	NEHERIYA	PENCH	UG
43	VPURI-II	PENCH	UG
44	GOKUL OC	UMRER	OC
45	MKD I	UMRER	OC
46	MKD III OC	UMRER	OC
47	UMRER OC	UMRER	OC
48	MURPAR UG	UMRER	UG
49	KOLGAON	WANI	OC
50	MUNGOLI	WANI	OC
51	NAIGOAN	WANI	OC
52	NEELJAI -II	WANI	OC
53	PENGANGA	WANI	OC
54	GHONSA	WANI NORTH	OC
55	JUNAD	WANI NORTH	OC
56	KOLARPIMPRI EXTN	WANI NORTH	OC
57	UKNI	WANI NORTH	OC
58	BHANDEWADA	WANI NORTH	UG

4	4	8
2	6	8
0	3	3
3	6	9
0	5	5
1	4	5
1	4	5
5	0	5
4	3	7
2	1	3

22 36 58

Performance of OC Area during FY 2021-22 (As per Production)

Fig in '000Te.

WCL OC AREAS	TARGET AAP 21-22	Actual 21-22	ACTUAL 2019-20	ACTUAL 2018-19	Achievement (%)	% Growth
Wani Area ..	15800.0	15760.90	14342.7	13631.7	99.8	5.2
Umrer Area ..	10875.0	10278.30	12858.7	12030.6	94.5	6.9
Nagpur Area ..	7695.1	8081.00	7069.2	6169.6	105.0	14.6
Ballarpur Area ..	7100.0	6522.40	6505.7	5062.7	91.9	-0.3
Mejri Area ..	6199.8	6008.80	4050.0	3305.1	96.9	22.5
Chandrapur Area	4100.0	3784.00	4592.1	3468.7	92.3	32.4
Wani (N) Area ..	3900.4	3176.10	3234.7	3826.6	81.4	-15.5
Pench Area ..	449.8	681.60	402.3	503.5	151.5	-20.1
Kanhan Area ..	380.0	373.30	420.5	615.9	98.2	-31.7
WCL OC	56500.1	54666.40	53475.8	48614.5	96.8	10.0

Performance of OC Area during FY 2021-22 (As per Achievement)

WCL OC AREAS	TARGET AAP 21-22	Actual 21-22	ACTUAL 2019-20	ACTUAL 2018-19	Achievement (%)	% Growth
Pench Area ..	449.8	681.60	402.3	503.5	151.5	-20.1
Nagpur Area ..	7695.1	8081.00	7069.2	6169.6	105.0	14.6
Wani Area ..	15800.0	15760.90	14342.7	13631.7	99.8	5.2
Kanhan Area ..	380.0	373.30	420.5	615.9	98.2	-31.7
Majri Area ..	6199.8	6008.80	4050.0	3305.1	96.9	22.5
Umrer Area ..	10875.0	10278.30	12858.7	12030.6	94.5	6.9
Chandrapur Area	4100.0	3784.00	4592.1	3468.7	92.3	32.4
Ballarpur Area ..	7100.0	6522.40	6505.7	5062.7	91.9	-0.3
Wani (N) Area ..	3900.4	3176.10	3234.7	3826.6	81.4	-15.5
WCL OC	56500.1	54666.40	53475.8	48614.5	96.8	10.0

Performance of OC Area during FY 2021-22 (As per Growth)

WCL OC AREAS	TARGET AAP 21-22	Actual 21-22	ACTUAL 2019-20	ACTUAL 2018-19	Achievement (%)	% Growth
Chandrapur Area	4100.0	3784.00	4592.1	3468.7	92.3	32.4
Majri Area ..	6199.8	6008.80	4050.0	3305.1	96.9	22.5
Nagpur Area ..	7695.1	8081.00	7069.2	6169.6	105.0	14.6
Umrer Area ..	10875.0	10278.30	12858.7	12030.6	94.5	6.9
Wani Area ..	15800.0	15760.90	14342.7	13631.7	99.8	5.2
Ballarpur Area ..	7100.0	6522.40	6505.7	5062.7	91.9	-0.3
Wani (N) Area ..	3900.4	3176.10	3234.7	3826.6	81.4	-15.5
Pench Area ..	449.8	681.60	402.3	503.5	151.5	-20.1
Kanhan Area ..	380.0	373.30	420.5	615.9	98.2	-31.7
WCL OC	56500.1	54666.40	53475.8	48614.5	96.8	10.0

Sr.No.	PROJECTS	Performance of OC MINES during FY 2021-22 (As per Production)						
		TARGET AAP 2021-22	Actual 2021-22	Actual 2020-21	ACTUAL 2019-20	ACTUAL 2018-19	Achievement (%)	% Growth
1	Penganga(Dept.+Hired)	6300.0	6300.0	5253.1	6300.0	6300.0	100.0	19.9
2	Mungoli	4300.0	4167.0	4315.4	4116.3	3781.6	96.9	-3.4
3	Niljaji Deep	4000.0	3751.9	2484.6	3926.4	3050.1	93.8	51.0
4	Makardhokra-I	3500.0	3720.0	2000.0	1999.5	1999.7	106.3	86.0
5	Umrer(Dept.+HIRED)	2200.0	3552.2	3401.0	4849.8	4899.0	161.5	4.4
6	Gondegaon(DEPT+HOE)	3500.0	3500.0	3500.0	3500.0	3499.8	100.0	0.0
7	Pauni-II	3200.0	3250.0	2800.0	2105.4	600	101.6	16.1
8	Yekona	2200.0	2417.0	1100.4	350.0	113.7	109.9	119.6
9	Kamptee UG to OC	2000.0	2220.8	882.0	800.0	614.8	111.0	160.7
10	New Majri UG to OC	2000.0	1925.1	1882.0	1200.0	1200.0	96.3	2.3
11	GOKUL(Hired)	1875.0	1875.0	1874.9	1874.9	1875.0	100.0	0.0
12	Durgapur-(Sec.-V)	1800.0	1835.6	1744.1	2049.7	1539.8	102.0	5.2
13	NIM-Sector-I & II (A)	2000.0	1666.7	1068.6	2500.0	1761.1	83.3	56.0
14	Ukni	1000.0	1500.0	1538.0	1379.1	1616.2	150.0	-2.5
15	Sasti	1600.0	1463.3	1790.1	1686.1	1627.7	91.5	-18.3
16	Bhatadhi	1300.0	1301.8	1231.1	1465	975	100.1	5.7
17	MKD-III(Hired)	3300.0	1131.1	2412.9	4134.5	3257.0	34.3	-53.1
18	Singori O/C	1120.0	1120.0	1120.0	1119.2	800.0	100.0	0.0
19	Gauri OC Expn.	1400.0	944.1	760.0	627	710	67.4	24.2
20	Naigaon	600.0	942.0	0.0	0.0	0.0	157.0	#DIV/0!
21	Junad Extn.	800.0	738.6	333.2	470.7	600.0	92.3	121.7
22	Bhanegaon OC(hired)	625.0	633.4	183.7	750.0	535.0	101.3	244.8
23	Gauri Deep	400.0	600.0	535.7	600	600	150.0	12.0
24	Kolgaon	600.0	600.0	452.4	0.0	500.1	100.0	32.6
25	Kolarpimpri	1500.0	511.4	1135.0	784.9	1318.4	34.1	-54.9
26	Urthan(Hired)	300.0	501.3	29.4	0.0	0.5	167.1	1605.1
27	HLOC	600.0	456.7	0.0	0.0	0.0	76.1	#DIV/0!
28	Ghonsa	600.0	426.1	507.9	600.0	292.1	71.0	-16.1
29	Mohan OC(Hired)	200.0	373.3	515.0	256.5	370.9	186.7	-27.5
30	Ballarpur	500.0	265.0	225.1	625.00	625.00	53.0	17.7
31	Padmapapur	400.0	190.0	457.5	1077.4	953.9	47.5	-58.5
32	Barkuhi(Hired)	80.0	133.2	172.8	0.0	4.9	166.5	-22.9
33	NEW SETHIA	70.0	47.1	136.1	402.3	498.1	67.3	67.3
34	Pauni	0.0	0.0	430.9	862.1	900	#DIV/0!	-100.0
35	Inder UG to OC(hired+dept)	0.0	0.0	572.1	900.0	720.0	#DIV/0!	-100.0
36	BHARAT OC(Hired)	180.0	0.0	40.0	86.0	0.0	0.0	-100.0
37	Ghorawari 16/17-Ph-3(hired)	0.0	0.0	0.0	78.0	245.0	#DIV/0!	#DIV/0!
38	Adasa UG to OC	450.0	606.7	17.7	0.0	0.0	134.8	3327.7
39	Telwasa	0.0	0.0	0.0	0.0	230.3	#DIV/0!	#DIV/0!
	WCL OC TOTAL	56500.0	54666	46872.7	53475.8	48614.7	96.8	16.6

Performance of OC MINES during FY 2021-22 (As per Achievement)									
Sr.No.	PROJECTS	TARGET AAP		Actual 2021-22	Actual 2020-21	ACTUAL 2019-20	ACTUAL 2018-19	Achievement (%)	% Growth
		2021-22	2020-21						
1	Pauni	0.0	0.0	0.0	430.9	862.1	900	#DIV/0!	-100.0
2	Inder UG to OC(hired+dept)	0.0	0.0	0.0	572.1	900.0	720.0	#DIV/0!	-100.0
3	Ghorawari 16/17-Ph-3(hired)	0.0	0.0	0.0	0.0	78.0	245.0	#DIV/0!	#DIV/0!
4	Telwasa	0.0	0.0	0.0	0.0	0.0	230.3	#DIV/0!	#DIV/0!
5	Mohan OC(Hired)	200.0	373.0	373.0	515.0	256.5	370.9	186.7	-27.5
6	Urthan(Hired)	300.0	501.3	501.3	29.4	0.0	0.5	167.1	1605.1
7	Barkuhi(Hired)	80.0	133.2	133.2	172.8	0.0	4.9	166.5	-22.9
8	Umrer(Deptt.+HIRED)	2200.0	3552.2	3552.2	3401.0	4849.8	4899.0	161.5	4.4
9	Naigaon	600.0	942.0	942.0	0.0	0.0	0.0	157.0	#DIV/0!
10	Ukni	1000.0	1500.0	1500.0	1538.0	1379.1	1616.2	150.0	-2.5
11	Gauri Deep	400.0	600.0	600.0	535.7	600	600	150.0	12.0
12	Adasa UG to OC	450.0	606.7	606.7	17.7	0.0	0.0	134.8	3327.7
13	Kamptee UG to OC	2000.0	2220.8	2220.8	852.0	800.0	614.8	111.0	160.7
14	Yekona	2200.0	2417.0	2417.0	1100.4	350.0	113.7	109.9	119.6
15	Makardhokra-I	3500.0	3720.0	3720.0	2000.0	1999.5	1999.7	106.3	86.0
16	Durgapur -(Sec.-V)	1800.0	1835.6	1835.6	1744.1	2049.7	1539.8	102.0	5.2
17	Pauni -II	3200.0	3250.0	3250.0	2800.0	2105.4	600	101.6	16.1
18	Bhanegaon OC(hired)	625.0	633.4	633.4	183.7	750.0	535.0	101.3	244.8
19	Bhatadli	1300.0	1301.8	1301.8	1231.1	1465	975	100.1	5.7
20	Penganga(Deptt.+Hired)	6300.0	6300.0	6300.0	5253.1	6300.0	6300.0	100.0	19.9
21	Gondegaon(DEPT+HOE)	3500.0	3500.0	3500.0	3500.0	3500.0	3499.8	100.0	0.0
22	GOKUL(Hired)	1875.0	1875.0	1875.0	1874.9	1874.9	1875.0	100.0	0.0
23	Singori O/C	1120.0	1120.0	1120.0	1120.0	1119.2	800.0	100.0	0.0
24	Kolgaon	600.0	600.0	600.0	452.4	0.0	500.1	100.0	32.6
25	Mungoli	4300.0	4167.0	4167.0	4315.4	4116.3	3781.6	96.9	-3.4
26	New Majri UG to OC	2000.0	1925.1	1925.1	1882.0	1200.0	1200.0	96.3	2.3
27	Niljai Deep	4000.0	3751.9	3751.9	2484.6	3926.4	3050.1	93.8	51.0
28	Junad Extn.	800.0	738.6	738.6	333.2	470.7	600.0	92.3	121.7
29	Sasti	1600.0	1463.3	1463.3	1790.1	1686.1	1627.7	91.5	-18.3
30	NM-Sector-I & II (A)	2000.0	1666.7	1666.7	1068.6	2500.0	1761.1	83.3	56.0
31	HLOC	600.0	456.7	456.7	0.0	0.0	0.0	76.1	#DIV/0!
32	Ghonsa	600.0	426.1	426.1	507.9	600.0	292.1	71.0	-16.1
33	Gauri OC Expn.	1400.0	944.1	944.1	760.0	627	710	67.4	24.2
34	NEW SETHIA	70.0	47.1	47.1	136.1	402.3	498.1	67.3	67.3
35	Ballarpur	500.0	265.0	265.0	225.1	625.00	625.00	53.0	17.7
36	Padmapur	400.0	190.0	190.0	457.5	1077.4	953.9	47.5	-58.5
37	MKD-II(Hired)	3300.0	1131.1	1131.1	2412.9	4134.5	3257.0	34.3	-53.1
38	Kolarpimpri	1500.0	511.4	511.4	1135.0	784.9	1318.4	34.1	-54.9
39	BHARAT OC(Hired)	180.0	0.0	0.0	40.0	86.0	0.0	0.0	-100.0
	WCL OC TOTAL	56500.0	54666	54666	46872.7	53475.8	48614.7	96.8	16.6

Performance of UG Area during FY 2021-22 (As per production)										
Fig in '000 Te.										
UG AREA	TARGET(AAP) 2021-22	ACTUAL 2021-22	Actual 2020-21	Actual 2019-20	Actual 2018-19	% Achev.	% Growth			
Pathkhhera	1325.0	1105.8	1288.6	1490.3	1722.2	83.5	-35.8			
Nagpur	620.0	585.8	704.6	801.6	903.2	94.5	-35.1			
Pench	550.0	481	468.3	648.3	597.9	87.5	-19.5			
Kanhan	320.0	328.5	370	484.5	492.1	102.7	-33.2			
Chandrapur	345.0	286.3	278.6	413.1	487.6	83.0	-41.3			
Ballarpur	180.0	129.7	183.2	208.5	249.0	72.1	-47.9			
Umrer	80.0	72.4	52.8	46.8	9.3	90.5	675.9			
W.North	80.0	51.6	56	67.1	104.0	64.5	-50.4			
Total UG WCL	3500.0	3041.1	3402.1	4160.2	4565.3	86.9	-33.4			
Performance of UG Area during FY 2021-22 (As per Achv.)										
AREA	TARGET(AAP) 2021-22	ACTUAL 2021-22	Actual 2020-21	Actual 2019-20	Actual 2018-19	% Achev.	% Growth			
Kanhan	320.0	328.5	370	484.5	492.1	102.7	-33.2			
Nagpur	620.0	585.8	704.6	801.6	903.2	94.5	-35.1			
Umrer	80.0	72.4	52.8	46.8	9.3	90.5	675.9			
Pench	550.0	481	468.3	648.3	597.9	87.5	-19.5			
Pathkhhera	1325.0	1105.8	1288.6	1490.3	1722.2	83.5	-35.8			
Chandrapur	345.0	286.3	278.6	413.1	487.6	83.0	-41.3			
Ballarpur	180.0	129.7	183.2	208.5	249.0	72.1	-47.9			
W.North	80.0	51.6	56	67.1	104.0	64.5	-50.4			
Total WCL	3500.0	3041.1	3402.1	4160.2	4565.3	86.9	-33.4			
Performance of UG Area during FY 2021-22 (As per Growth)										
AREA	TARGET(AAP) 2021-22	ACTUAL 2021-22	Actual 2020-21	Actual 2019-20	Actual 2018-19	% Achev.	% Growth			
Umrer	80.0	72.4	52.8	46.8	9.3	90.5	675.9			
Pench	550.0	481	468.3	648.3	597.9	87.5	-19.5			
Kanhan	320.0	328.5	370	484.5	492.1	102.7	-33.2			
Nagpur	620.0	585.8	704.6	801.6	903.2	94.5	-35.1			
Pathkhhera	1325.0	1105.8	1288.6	1490.3	1722.2	83.5	-35.8			
Chandrapur	345.0	286.3	278.6	413.1	487.6	83.0	-41.3			
Ballarpur	180.0	129.7	183.2	208.5	249.0	72.1	-47.9			
W.North	80.0	51.6	56	67.1	104.0	64.5	-50.4			
Total WCL	3500.0	3041.1	3402.1	4160.2	4565.3	86.9	-33.4			

Performance of UG Area during FY 2021-22 (As per production)							
Fig in '000 Te.							
UG AREA	TARGET(AAP) 2021-22	ACTUAL 2021-22	Actual 2019-20	Actual 2018-19	% Achev.	% Growth	
Pathakhara	1325.0	1105.8	1490.3	1722.2	83.5	-35.8	
Nagpur	620.0	585.8	801.6	903.2	94.5	-35.1	
Pench	550.0	481	648.3	597.9	87.5	-19.5	
Kanhana	320.0	328.5	484.5	492.1	102.7	-33.2	
Chandrapur	345.0	286.3	413.1	487.6	83.0	-41.3	
Ballarpur	180.0	129.7	208.5	249.0	72.1	-47.9	
Umrer	80.0	72.4	46.8	9.3	90.5	675.9	
W.North	80.0	51.6	67.1	104.0	64.5	-50.4	
Total UG WCL	3500.0	3041.1	4160.2	4565.3	86.9	-33.4	
Performance of UG Area during FY 2021-22 (As per Achv.)							
AREA	TARGET(AAP) 2021-22	ACTUAL 2021-22	Actual 2019-20	Actual 2018-19	% Achev.	% Growth	
Kanhana	320.0	328.5	484.5	492.1	102.7	-33.2	
Nagpur	620.0	585.8	801.6	903.2	94.5	-35.1	
Umrer	80.0	72.4	46.8	9.3	90.5	675.9	
Pench	550.0	481	648.3	597.9	87.5	-19.5	
Pathakhara	1325.0	1105.8	1490.3	1722.2	83.5	-35.8	
Chandrapur	345.0	286.3	413.1	487.6	83.0	-41.3	
Ballarpur	180.0	129.7	208.5	249.0	72.1	-47.9	
W.North	80.0	51.6	67.1	104.0	64.5	-50.4	
Total WCL	3500.0	3041.1	4160.2	4565.3	86.9	-33.4	
Performance of UG Area during FY 2021-22 (As per Growth)							
AREA	TARGET(AAP) 2021-22	ACTUAL 2021-22	Actual 2019-20	Actual 2018-19	% Achev.	% Growth	
Umrer	80.0	72.4	46.8	9.3	90.5	675.9	
Pench	550.0	481	648.3	597.9	87.5	-19.5	
Kanhana	320.0	328.5	484.5	492.1	102.7	-33.2	
Nagpur	620.0	585.8	801.6	903.2	94.5	-35.1	
Pathakhara	1325.0	1105.8	1490.3	1722.2	83.5	-35.8	
Chandrapur	345.0	286.3	413.1	487.6	83.0	-41.3	
Ballarpur	180.0	129.7	208.5	249.0	72.1	-47.9	
W.North	80.0	51.6	67.1	104.0	64.5	-50.4	
Total WCL	3500.0	3041.1	4160.2	4565.3	86.9	-33.4	

Performance of UG mines during FY 2021-22 (As per Achv.)

(Figs.in 000 Tes.)

Sr.No.	Name of the Mine/Project	TARGET(AAP)			Actual 20-21	ACTUAL 2019-20	ACTUAL 2018-19	Achievement (%)		% Growth
		2021-22	Actual 21-22	Actual 20-21				#DIV/0!	#DIV/0!	
1	Jharna	0.0	0.0	0.0	123.0	128.3	#DIV/0!	#DIV/0!		
2	Adasa	0.0	0.0	0.0	4.2	96.0	#DIV/0!	#DIV/0!		
3	Sarni (including D2 Dyke)	0.0	0.0	74.0	127.6	200.9	#DIV/0!	#DIV/0!	-100.00	
4	Saoner-I	160.0	205.3	224.6	252.0	261.6	128.3		-8.59	
5	Chatarpur II	60.0	71.4	70.4	75.1	100.3	119.0		1.42	
6	Mana Incline	65.0	73.2	72.0	92.0	95.0	112.6		1.67	
7	Tandsi Expan. (incl. Tandsi RPR)	140.0	157.5	181.0	177.5	187.6	112.5		-12.98	
8	Mathani	70.0	73.4	86.9	121.5	121.8	104.9		-15.54	
9	Durgapur Rayatwari RPR	105.0	107.7	49.3	155.1	158.9	102.6		118.46	
10	Nandgaon Incline	75.0	76.7	76.7	83.0	115.7	102.3		0.00	
11	Tawa Phase-I	325.0	328.0	369.6	432.3	456.5	100.9		-11.26	
12	Shobhapur	20.0	19.3	156.2	170.1	212.9	96.5		-87.64	
13	Mauri Scheme RCE	180.0	171.0	189.0	184.0	176.3	95.0		-9.52	
14	Silewara Ph-II	85.0	77.9	97.1	122.7	125.4	91.6		-19.77	
15	Morpar	80.0	72.4	52.8	46.8	9.3	90.5		37.12	
16	Chatarpur I (including Umri)	375.0	334.3	310.6	366.0	377.5	89.1		7.63	
17	Saoner-III	130.0	115.6	130.6	127.2	113.5	88.9		-11.49	
18	Nehariya	290.0	252.0	220.1	333.6	271.0	86.9		14.49	
19	Patansaongi RPR	65.0	53.5	63.2	69.4	70.0	82.3		-15.35	
20	Vishnupuri II	90.0	74.0	93.5	97.5	103.9	82.2		-20.86	
21	Mahadeopuri	100.0	81.6	67.9	95.7	101.1	81.6		20.18	
22	Bailarpur RO	110.0	87.8	107.1	101.0	123.0	79.8		-18.02	
23	Saoner-II	180.0	133.5	189.1	226.1	236.6	74.2		-29.40	
24	Tawa -II Expansion	545.0	352.8	308.0	319.3	374.4	64.7		14.55	
25	Rajur (incl. RO)	80.0	51.6	56.0	67.1	104.0	64.5		-7.86	
26	Sasti RO	70.0	41.9	76.2	107.5	126.0	59.9		-45.01	
27	Mahakali	100.0	28.7	80.6	83.0	118.0	28.7		-64.39	
	Total UG WCL	3500.0	3041.1	3402.5	4160.3	4565.5	86.9		-10.62	

Performance of UG mines during FY 2021-22 (As per Growth)

(Figs.in 000 Tes.)

Sr.No.	Name of the Mine/Project	TARGET(AAP) 2021-22	Actual 21-22	Actual 20-21	ACTUAL 2019-20	ACTUAL 2018-19	Achievement (%)	% Growth
							#DIV/0!	#DIV/0!
1	Jharna	0.0	0.0	0.0	123.0	128.3		
2	Adasa	0.0	0.0	0.0	4.2	96.0		
3	Durgapur Rayatwari RPR	105.0	107.7	49.3	155.1	158.9	102.6	118.46
4	Morpar	80.0	72.4	52.8	46.8	9.3	90.5	37.12
5	Mahadeopuri	100.0	81.6	67.9	95.7	101.1	81.6	20.18
6	Tawa -II Expansion	545.0	352.8	308.0	319.3	374.4	64.7	14.55
7	Nehariya	290.0	252.0	220.1	333.6	271.0	86.9	14.49
8	Chattarpur I (including Umri)	375.0	334.3	310.6	366.0	377.5	89.1	7.63
9	Mana Incline	65.0	73.2	72.0	92.0	95.0	112.6	1.67
10	Chatarpur II	60.0	71.4	70.4	75.1	100.3	119.0	1.42
11	Nandgaon Incline	75.0	76.7	76.7	83.0	115.7	102.3	0.00
12	Rajur (Incl. RO)	80.0	51.6	56.0	67.1	104.0	64.5	-7.86
13	Saoner-I	160.0	205.3	224.6	252.0	261.6	128.3	-8.59
14	Mauri Scheme RCE	180.0	171.0	189.0	184.0	176.3	95.0	-9.52
15	Tawa Phase-I	325.0	328.0	369.6	432.3	456.5	100.9	-11.26
16	Saoner-III	130.0	115.6	130.6	127.2	113.5	88.9	-11.49
17	Tandsi Expan. (incl. Tandsi RPR)	140.0	157.5	181.0	177.5	187.6	112.5	-12.98
18	Patansaongi RPR	65.0	53.5	63.2	69.4	70.0	82.3	-15.35
19	Mathani	70.0	73.4	86.9	121.5	121.8	104.9	-15.54
20	Ballarpur RO	110.0	87.8	107.1	101.0	123.0	79.8	-18.02
21	Silewara Ph-II	85.0	77.9	97.1	122.7	125.4	91.6	-19.77
22	Vishnupuri II	90.0	74.0	93.5	97.5	103.9	82.2	-20.86
23	Saoner-II	180.0	133.5	189.1	226.1	236.6	74.2	-29.40
24	Sasti RO	70.0	41.9	76.2	107.5	126.0	59.9	-45.01
25	Mahakali	100.0	28.7	80.6	83.0	118.0	28.7	-64.39
26	Shobhapur	20.0	19.3	156.2	170.1	212.9	96.5	-87.64
27	Sarni (including D2 Dyke)	0.0	0.0	74.0	127.6	200.9	#DIV/0!	-100.00
	Total UG WCL	3500.0	3041.1	3402.5	4160.3	4565.5	86.9	-10.62

Performance of UG mines during FY 2021-22 (As per Production)

(Figs.in 000 Tes.)

Sr.No.	Name of the Mine/Project	TARGET(AAP)	Actual					Achievement (%)	% Growth
		2021-22	21-22	20-21	2019-20	2018-19			
1	Tawa -II Expansion	545.0	352.8	308.0	319.3	374.4	64.7	14.55	
2	Chattarpur I (including Umri)	375.0	334.3	310.6	366.0	377.5	89.1	7.63	
3	Tawa Phase-I	325.0	328.0	369.6	432.3	456.5	100.9	-11.26	
4	Nehariya	290.0	252.0	220.1	333.6	271.0	86.9	14.49	
5	Saoner-I	160.0	205.3	224.6	252.0	261.6	128.3	-8.59	
6	Mauri Scheme RCE	180.0	171.0	189.0	184.0	176.3	95.0	-9.52	
7	Tandsi Expan. (Incl. Tandsi RPR)	140.0	157.5	181.0	177.5	187.6	112.5	-12.98	
8	Saoner-II	180.0	133.5	189.1	226.1	236.6	74.2	-29.40	
9	Saoner-III	130.0	115.6	130.6	127.2	113.5	88.9	-11.49	
10	Durgapur Rayatwari RPR	105.0	107.7	49.3	155.1	158.9	102.6	118.46	
11	Ballarpur RO	110.0	87.8	107.1	101.0	123.0	79.8	-18.02	
12	Mahadeopuri	100.0	81.6	67.9	95.7	101.1	81.6	20.18	
13	Silewara Ph-II	85.0	77.9	97.1	122.7	125.4	91.6	-19.77	
14	Nandgaon Incline	75.0	76.7	76.7	83.0	115.7	102.3	0.00	
15	Vishnupuri II	90.0	74.0	93.5	97.5	103.9	82.2	-20.86	
16	Mathani	70.0	73.4	86.9	121.5	121.8	104.9	-15.54	
17	Mana Incline	65.0	73.2	72.0	92.0	95.0	112.6	1.67	
18	Morpar	80.0	72.4	52.8	46.8	9.3	90.5	37.12	
19	Chatarpur II	60.0	71.4	70.4	75.1	100.3	119.0	1.42	
20	Patansaongi RPR	65.0	53.5	63.2	69.4	70.0	82.3	-15.35	
21	Rajur (Incl. RO)	80.0	51.6	56.0	67.1	104.0	64.5	-7.86	
22	Sasti RO	70.0	41.9	76.2	107.5	126.0	59.9	-45.01	
23	Mahakali	100.0	28.7	80.6	83.0	118.0	28.7	-64.39	
24	Shobhapur	20.0	19.3	156.2	170.1	212.9	96.5	-87.64	
25	Jharna	0.0	0.0	0.0	123.0	128.3	#DIV/0!	#DIV/0!	
26	Adasa	0.0	0.0	0.0	4.2	96.0	#DIV/0!	#DIV/0!	
27	Sarni (including D2 Dyke)	0.0	0.0	74.0	127.6	200.9	#DIV/0!	-100.00	
	Total UG WCL	3500.0	3041.1	3402.5	4160.3	4565.5	86.9	-10.62	