

## CHECKLIST FOR Final MINE CLOSURE

<b>1</b>	<b>Project Information</b>																																
	A	Name of Coal Block																															
	B	Name of Coalfield																															
	C	Base date of Mine Closure plan																															
	D	Linked endues plant																															
	E	Distance of End use plant from the pit head of the project in KM																															
	F	Mode of Coal Transport																															
<b>2</b>	<b>Name of Mine</b>																																
	Mine boundary details		<b>North</b>	<b>South</b>	<b>East</b>	<b>West</b>																											
<b>3</b>	A	Location																															
	B	Topography																															
	C	Location of coal deposit																															
	(i)	Village																															
	(ii)	Circle/Talkuwa																															
	(iii)	District																															
	(iv)	(State)																															
	(v)	Latitude From	°		'		"	N																									
	(vi)	To																															
	(vii)	Longitude From	°		'		"	E																									
(viii)	To																																
D	Mailing Address																																
E	Communication : PWD Roads, railway lines, Air																																
F	Dominant physiographic features & surface features																																
<b>4</b>	A	ML area																															
	B	Details about the overlapping Leasehold																															
	C	Villages falling within 5 km of the mine																															
<b>5</b>	A	Mine Area	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width: 5%; text-align: center;">S L N O.</td> <td rowspan="2" style="width: 15%; text-align: center;">Particul ars</td> <td colspan="3" style="width: 40%; text-align: center;">Land in Ha</td> <td rowspan="2" style="width: 15%; text-align: center;">Total</td> <td rowspan="2" style="width: 15%; text-align: center;">Remark s</td> </tr> <tr> <td style="width: 15%; text-align: center;">Non- Forest</td> <td style="width: 15%; text-align: center;">Forest</td> <td style="width: 15%; text-align: center;"></td> </tr> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">Total</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	S L N O.	Particul ars	Land in Ha			Total	Remark s	Non- Forest	Forest		1							Total						S L N O.	Particul ars	Land in Ha			Total	Remark s
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B	Project Area																																
<b>6</b>	A	Details of Mine Plan																															
	B	Details of approved MCP																															
<b>7</b>	A	Present Coal Reserves																															
	B	Undertaking regarding exhaustion of mineable reserves																															
<b>8</b>	<b>Date of</b>																																

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	A	Year of Last production reported					
	B	Termination of mining operations,					
	C	Reason of closure					
	D	submission of Abandoned Mine Plan					
	E	Date of notice of closure to CCO under Colliery Control Order.					
9	A	Area to be transferred to Sister colliery Name Area					
	B	Existing status of land/Mine lease area					
	C	surrender					
	D	partial surrender					
	E	merger,					
	F	amalgamation					
	G	common lease					
	H	...					
<b>Marking of above information on plan (Demarcated Boundary):</b>							
10	<b>Infrastructure Set up</b>		<b>To be retained</b>	<b>To be transferred to sister colliery</b>			
	A	siding					
	B	CHP					
	C	CPP					
	D	PO office					
	E	workshop					
	F	haul roads					
	G	<b>Marking of above information on plan Certificate by concerned project officer: Not Applicable.</b>					
11	<b>Land Details</b>		<b>Area in Ha</b>	<b>Reference</b>			
	A	Forest					
	B	Notified					
	C	GMJJ					
	D	Non Forest Land					
	<b>Marking of above information on plan, Land Schedule of total land within project area duly certified by CO:</b>						
12	<b>Breakup of present land use</b>		At the time of closure of mine (Ha)	Present/ Existing (Ha)	Present Status		
	A	Quarry Area					
1	A	UG working Area					
	B	Infrastructure area Road/ Railway CHP/Sidings Stockyard)					
	C	Agriculture					
	D	Plantation					
	E	Waste Land					
	F	Water body					
	G	Habitation					
	H	Others (Please Specify)					
	I	Total					

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13	<b>Details about the Seams worked (to be provided in tables given below)</b>				
14	<b>Acquisition details</b>				<b>Remarks</b>
	A Nationalisation				
	B CBA				
	C LA Act				
	D Others				
	<i>Marking of above information on plan &amp; copy of land acquisition documents: Mining Lease has been marked in the Plan- 1</i>				
15	<b>Is there any other MCP prepared earlier</b>	<b>YES / NO</b>			
	If yes,				
	(i) Details of amount reimbursed during Phase-I of progressive mine closure				
	(ii) Escrow details				
	(iii) Certificate of the above items				
16	<b>Details of post closure activity proposed</b>	<b>Area in Ha</b>	<b>budgetary provisions</b>	<b>timeline</b>	<b>supported by work order / MoU or proposal documents</b>
	A Eco park				
	B Solar activity				
	C Plantation				
	D ..				
	E ..				
	F ..				
	..				
17	<b>Pending/additional activities required to be taken up at R&amp;R sites, if any</b>	<b>budgetary provisions (in '000)</b>	<b>timeline</b>	<b>Consent by village representatives</b>	
	A	Not Applicable as no R&R site present.	Not Applicable	Not Applicable	
	B				
	C				
18	<b>Details of CSR taken up</b>	(Amount in lakhs)			
	A	Yr1			
	B	Yr2			
	C	...			
19	<b>Identification any community related activities to be taken up in next 5 years</b>				
20	A List of machine/Equipment surveyed off	budgetary provisions (in '000)			timeline
	I				
	II				
	III				
	B Disposal of mining machinery				

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	I				
21	List of other Dismantling activities				
	A Existing conveyor belt				
	B Pit Office				
	C Workshop				
	D				
	..				
22	Details of Existing and discontd. /abandoned outlets in tabular form				
	Outlet	Dia/X-Section	Depth/Length(m)	Landing/Connection	Usage details
23	List of Safety and Security activities				
	A Barbed wire fencing with masonry pillars along.				
	B Construction of Catch Drains along infrastructure area				
	C Mine entry sealing /fencing status				
	D Any past safety or security incident post closure	Nil			
	E Measures to be implemented to prevent access to surface opening for underground working, etc.				
	F Number of pits, length of barwed wire, concrete wall/pillars around pit, Securing of incline/shaft				
	G Case of subsidence – subsidence monitoring				
24	List of Waste Management Activities				
	A Scrapping of waste ( dust, tyre ....) accumulated over pit office/chp/Work shop .....				
	B residual waste, oils, surveyed off equipment's / parts at workshop premises				
	C used Batteries and oil containers and other wastes				
	D Other waste in premises				
25	A List of Structure for landscaping				
	B Cleaning and stabilizing the slopes of water body/ ponds by benching, pitching, grassing, plantation etc				
	C Nalla				

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	D				
	E	Block Plantation/Gap plantation over an area Falling under vacant land, infrastructure and others.			
26	A	Present Status of Mine : Brief Write-up			
	B	Maximum depth of the quarry/VG workings (seam wise) in m			
	C	Details of Working (mentioning no. of worked out seams, Geological features, percentage of extraction, Method of Mining, Seam Thickness, Depth of working, Deployment of Machines etc			
	D	Surface Water bodies and their status if any			
	E	Old Quarry and their status if any	Not Applicable		
	F	<b>OB dumps and their status if any</b>		External DumP(s) 08	Internal OB Dumo(s)
27	(i)	Nos.			
	(ii)	Area			
	(iii)	Height			
	(iv)	Present status			
	(v)	Future program of reclamation/ rehandling etc. and costs Involved, if any			
	<b>Statutory Details</b>				
	A	Environmental Clearance			
28	B	Forest Clearance			
	C	CTO			
	D	DGM Permission			
	E	<b>Safety Management Plan</b>			
	F	<b>Abandoned Mine Plan</b>			
	G	NoC from CGWA			
	<b>Legal Issues</b>				
29	A	If yes, Undertaking reg. any pending court cases or legal issues or any statutory obligations related to the project.			
	<b>Environmental Monitoring</b>				

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	A	Reports of past two seasons (Preferably Pre-monsoon and Post-monsoon)	
	B	Proposed air, Water, Soil pollution control measures in post closure phase, if any	
<b>30</b>	<b>Steps Taken by Mine owners to manage the non-operational mine</b> As per MOC policy guidelines dated 22 <sup>nd</sup> April 2022		
			Remarks
	A	Nature of mine	
	B	Mine re-Operationalization if any	
	C	Approval of the re-Operationalization if any	
	D	Modification in Mining Plan	
	E	Temporary Mine Closure plan (TMCP) prepared if any	
	F	If yes, Details of Approval	
	G	List of activities implemented under TMCP	
	H	Short term economic activities – without damaging the seams / reserves available	
	I	Final Mine closure plan	
	J	Approval of Final Mine Closure Plan	
	K	Air, Water, Soil quality monitoring of the region surrounding 5 km, if any	
	L	Health camps within 5 km, if any	
	M	Reskilling to the willing workers as per their need for their gainful utilisation.	
	N	Is there any visit of CCO	
	O	If yes, Details like written observation & compliances submitted, if Any	
	P	Any instruction or information sought by DGMS in this regard	
	Q	If yes, Details thereof	
<b>31</b>	<b>Plan</b>		
	A	All existing surface features viz. dumps with top RLs, water body, roads, infrastructure, reclaimed land along with revenue	

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	nature of land ( Forest/ Non-forest).	
B	Proposed activities related to final mine closure viz. land for future dumping if any, land for proposed reclamation, solar power plant, infrastructure including roads, conveyor etc. (Retained and dismantled to be marked separately).	
C	Plan showing mode and location of entries and surface layouts (UG Mines)	
D	Layout of panel for each system [ like L?W, Continous miner/ Bord & Pillar, Road header etc.)	
E	Layout of pillar extraction, support system, haulage/transport system	
F	Cadstral Plan of Each Mouza	
G	Toposheet -	
H	Abandoned Mine Plan (submitted to DGMS) if any	
32	<b>Others</b>	
	A Instances of Acid Mine Drainage+ Photographs	
	B Water quality mgt. Existing water bodies available in leasehold area Measures to be taken for protection of the same including control of erosion, sedimentation, siltation, water treatment, diversion of water course if any. Measures for protection of contamination of ground water from leaching etc.	
	C Impact due to loss of indirect employment, if any and proposed mitigation measures	
	D Any scheme related with economic repurposing	

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		activities of the reclaimed land or reclaimed land to be leased out as per MoC policy guidelines dated 22 <sup>nd</sup> April 2022	
	E	Any report (monthly/quarterly/yearly/other) being submitted related to closed mines or related to direction of statutory body.	
	I	DGMS	
	II	CCO	
	III	others	
<b>32</b>	Resource person from Area	Name	Mobile no.
	A	General Manager,	
	B		
	C		
	D		

\* All documents to be provided by the project must be duly certified

**it was supposed to furnish following information.**

**1. Plan marked with the area**

- Under dismantling of structure- NIL
- Proposed for dismantling- NIL
- Area to be used by sister colliery – Not Applicable.

**Environmental quality Data (Air/Water/Soil) if any- already submitted with Baragolai Checklist.**

**Mine Discharge Data- no mine discharge observed.**

**Rainfall Data**

- Submitted vide Whatsapp on 18.01.2024 (For Tirap Colliery)

<b>Production since inception</b>	
Year	
<b>Source :</b>	

**Acquisition of rights of owners in respect of coal mines**

**Owners in relation to coal mines transferred to and vested free from all encumbrances. One of the mines amongst 711 transferred and vested as per CM(N) Act, 1973.**

SI no.	Name of mine	Location of mine	Name and address of owners of the mine	Amount (in Rupees)
<b>Source :</b>				

## **CHECKLIST FOR Final MINE CLOSURE**