

"Under Jurisdiction of Nagpur Court only"

वेस्टर्न कोलफील्ड्स लिमिटेड

(भारत सरकार का कोल-रॉन्ग श्रेणी उपक्रम)

Western Coalfields Limited

(A Miniratna - Coal | Government of India Undertaking)

CIN-U10100MH1975GOI018626



5 DECADES OF UNFATHING ENERGY

क्षेत्रीय महाप्रबंधक, बल्लारपुर क्षेत्र का कार्यालय

Office of the Area General Manager, Ballarpur

Ph. No. 07173-230105

पत्र क्रमांक

1298

E-mail: agmballarpur.wcl@coalindia.in

Website: <http://westerncoal.gov.in>

पंजीकृत कार्यालय : क्षेत्रीय महाप्रबंधक, बल्लारपुर क्षेत्र, पोस्ट सास्ती, तह. राजुरा, जिल्हा चंद्रपूर (महाराष्ट्र) Regd. Office : Area General Manager, Ballarpur Area, Post Sasti, Tah. Rajura, Distt. Chandrapur (MS)

Ref No- WCL/ BA/AGM/Forest/25-26/ 97

Date- 18.09.2025

To,

Dy. Conservator of Forest

Central Chanda Division,

Chandrapur

Sub: Submission of compliance report to EDS sought by MoEF&CC, New Delhi dated 23.08.2025.

Ref: EDS sought by MoEF&CC, New Delhi, vide FC-II/MH-165/2021-NGP, Dated 23.08.2025

Respected Sir,

The proposal for the diversion of **12.07 Ha** of Forest land for the **Sakhari-Irawati Pauni III OC Mine**, WCL, Ballarpur Area, Tal. Rajura, Dist. Chandrapur, in the state of Maharashtra, has been granted Stage-I approval by MoEF&CC, New Delhi, vide FC-II/MH-165/2021 dated 20.03.2025(copy attached).

The compliance report of conditions stipulated in Stage-I/ In-principal approval is already submitted by WCL, Ballarpur Area to Dy (CF), Central Chanda Division on 18.06.25, which has been forwarded to MoEF&CC, New Delhi on 28.07.25 through APCCF/ Nodal Officer, Nagpur. Further, EDS sought by MoEF&CC, New Delhi vide FC-II/MH-165/2021-NGP Dated 23.08.2025. Reply to the EDS has also been submitted to Dy. CF, Central Chanda Division, Chandrapur vide letter dated 18.09.2025

Further, MoEF&CC, New Delhi sought 8 Points EDS on 23.08.2025, same has been forwarded by Dy. CF, Office of APCCF/ Nodal Officer, Nagpur to AGM, WCL, Ballarpur Area vide letter dated 02.09.2025 for submission of compliance report (Copy attached).

Accordingly, compliance report to the EDS has been prepared and hereby submitted to your good office for your review and onward submission to CCF(T), Chandrapur.

Thanking You Sir

With Regards,

Area General Manager

Ballarpur Area

Western Coalfields Ltd.

Encl: Compliance report in six set

Copy to:

- APCCF(LM)/Nodal Officer, Nagpur
- GM (Mining)/HoD(Forest), WCL

**Sakhari-Irawati (Pouni III) Opencast Mine Project in Reserve Forest
Compartment No. R-603 in favour of M/s Western Coalfields Limited in
Chandrapur District of Maharashtra State(Online No FP/MH/MIN/8832/2014)
(Forest Land: 12.07 ha)**

SI No	EDS sought by MoEF&CC, New Delhi Dated 23.08.2025	Reply by User Agency
i	In compliance to the condition at Sr. no (ii) of the Stage-1 approval, the State has not initiated and taken up the matter for the correction of digital forest boundaries with FSI in case of the non-forest area, which is within forest boundary as per DSS Analysis in the instant project;	KML file of the approved Forest Land within the Mine Lease Boundary has been uploaded in Parivesh 1 and the same is also attached in CD as <u>Annexure- 1.</u> Further, w.r.t. correction of digital forest boundaries with FSI in case of the non-forest area, State Forest Department is requested to take necessary action in this regard.
ii	In compliance to condition at sr no (iv) the state has mentioned that the proposed area is not part of DSS corridor, whereas in the proposal it was informed that the project area located within tiger corridor joining TATR & Indravati tiger reserve as per Telemetry data of Wildlife Institute of India.	In this regard it is humbly submitted that the proposed area does not fall in the Tiger Corridor Atlas Map approved by NTCA. In this matter it is pertinent to mention that a letter has been issued vide no. 355 dated 19.05.2025 by APPCF/Nodal Officer, Nagpur to APCCF (Wild Life), Nagpur & Mumbai, DCF(Wild Life), All Divisions in reference to 24th Meeting of State Board for Wildlife dated 17.04.2025 vide para 4 stating that, “forcing any agency/project to obtain wildlife clearance for area not falling in the Tiger Corridor Atlas Map approved by NTCA published report in 2014 will cause injustice and it will adversely affect the socioeconomic development of that area.” In the same letter, ACS (Forest) informed members that Collector, Chandrapur and Chairman, ESZ monitoring committee vide letter dated 11 April, 2025 has requested that permitted and regulated activities are listed in ESZ notification which may be approved by ESZ monitoring committee, therefore NBWL clearance is not mandatory. Copy of letter attached as <u>Annexure-2.</u> Further, The National Tiger Conservation Authority (NTCA) issued a clarification, limiting the number of such corridors, primarily, to only 32 “least cost pathways” identified in 2014. In light of the above facts, the User Agency (WCL) humbly submits that the proposed area does not fall in the designated Tiger Corridors by NTCA. State Forest Department is requested to kindly provide Comment in this regard.

iii	In compliance to condition at sr no(v) the number of trees has still been mentioned as zero without any justification of the fact that the density of the area was reported by the State as 0.4.	As per the Mauka Panchnama Report submitted by Range Officer (Wansadi) there is no tree felling in the instant project , which has been further certified by Dy. CF, Central Chanda , Division. Recent geotagged photograph of the applied 12.07 Ha. Forest land also enclosed. Copy attached as <u>Annexure-3.</u> In the context of 0.4 density of the proposed forest area, State Forest Deptt. is humbly requested to provide comments.
iv	In compliance of the condition no. (ix) of the Stage-I approval, the KML file is not uploaded on e-Green watch portal. The same needs to be uploaded and GPS ID may be submitted.	KML files of the area under diversion and the compensatory afforestation area has been uploaded by State Forest Department in the e-Greenwatch portal. GPS ID is 30081 as provided by State Forest Department. Copy attached as <u>Annexure - 4.</u>
v	In compliance to condition at sr no (xi), the User Agency has not prepared a detailed plan for life of project as per mining plan, clearly linking the progress of mining and felling of the trees. Felling of trees shall be done, when it is absolutely necessary in phase-wise manner in the areas which become due for mining as per mining plan.	A detailed plan for life of project as per mining plan, clearly linking the progress of mining and felling of the trees is attached as <u>Annexure-5.</u>
vi	In compliance to condition at Sr. no (xii) the state has not submitted a schedule for surrender of the mined out and reclaimed forest land in accordance with existing mining plan.	A schedule for surrender of the mined out and reclaimed forest land in accordance with existing mining plan is attached as <u>Annexure- 6.</u>
vii	In compliance to condition at Sr. no xviii, it has been mentioned that a geotagged map showing village tanks and water bodies within 5 km radius of the Sakhari-Irawati (Pouni III) and the GPS Coordinates of village tanks / water bodies is attached. However, the same has not been found attached.	A plan with Geo-tagged map showing village tanks and water bodies within 5 km radius of the Sakhari-Irawati (Pouni III) and the GPS Coordinates of village tanks / water bodies is attached as <u>Annexure -7.</u>
viii	In compliance of the condition no. (xxi) of the Stage-I approval, the comprehensive soil conservation plan is not submitted along with compliance report.	A comprehensive soil conservation plan has been prepared in consultation with the State Forest Department. The scheme of the same has been submitted to the Regional Office vide letter dated 18.09.2025, same is attached as <u>Annexure -8.</u>

(V. Srinivas)

Sub Area Manager/ Project Proponent
Gauri Pauni Sub Area, Ballarpur Area, WCL

	प्रधान मुख्य वनसंरक्षक (वन बल प्रमुख) महाराष्ट्र राज्य, यांचे कार्यालय अपर प्रधान मुख्य वनसंरक्षक व केंद्रस्थ अधिकारी, पहिला माळा, बी विंग वनभवन, रामगिरी रोड, सिव्हील लाईन्स, नागपूर ४४० ००१ दूरध्वनी क्र. ०७१२-२५५६९१६
	क्र. कक्ष-१७/नोडल/२०२५-२६/३५५ दिनांक:- १९/५/२०२५

प्रति,
 अपर प्रधान मुख्य वनसंरक्षक (वन्यजीव) नागपूर/मुंबई,
 मुख्य वनसंरक्षक/वनसंरक्षक (प्रा.) सर्व
 उपवनसंरक्षक /विभागीय वन अधिकारी (प्रा.) (वन्यजीव) सर्व

विषय :- राज्य वन्यजीव मंडळाच्या २४ व्या बैठकीचे कार्यवृत्तात.

संदर्भ:- विशेष कार्य अधिकारी, महसुल व वनविभाग यांचेकडील पत्र क्र.डब्ल्यूएलपी ०४.२५/प्र.क्र.१०५/फ-१
 दि.१५/०५/२०२५

दि.१७/०४/२०२५ रोजी मंत्रीमंडळ बैठक सभागृह, मंत्रालय, मुंबई येथे राज्य वन्यजीव मंडळाची २४ वी बैठक आयोजित करण्यात आली होती. सदर बैठकीचा कार्यवृत्तांत संदर्भित पत्रान्वये प्राप्त झालेला असून त्याची प्रत आपले आवश्यक कार्यवाहीस सोबत सहपत्रित करण्यात येत आहे. त्यात Agenda No.3 - Special agenda items मधील Item No.3.5 खालीलप्रमाणे ठेवण्यात आला होता.

“Procedure to be followed for determination of tiger corridors in Vidarbha. For wildlife clearance under 38-O (1)(g) of WLPA, 1972 the maps of areas as per NTCA 2014 report used in DSS system of NTCA website and Parivesh portal to be used.

Survey areas of EVL, 2016 and Telemetry study, 2021 by WHI to be used for strengthening wildlife and forest conservation in study areas. ”

त्या अनुषंगाने राज्य वन्यजीव मंडळाने चर्चा करून निर्णय घेतलेला आहे तो खाली नमुद केल्याप्रमाणे आहे.

The Member Secretary introduced the agenda item and explained about different tiger corridors for consideration of projects for wildlife clearance w.r.t. representation from SE, NH Circle, Nagpur dated 06/02/2025 with request for reconsidering the use of EVL and Telemetry study areas.

Shri. Ashish Jaiswal, Minister of State, suggested that:- 1. As per Sec 38-O (1)(g) of Wildlife Protection Act, 1972, it is mandatory for the Project Agencies to take wildlife clearance from SBWL/NBWL for projects falling under tiger corridors. The National Tiger Conservation Authority (NTCA) has published a report “Connecting Tiger Populations for Long-term Conservation” in 2014-15, which has the Tiger Corridor Atlas (maps) used

for the identification of tiger corridors in the entire country. All the projects falling under these Tiger Corridor Atlas (maps) are required to take wildlife clearance from SBWL/NBWL. All the States, including Maharashtra are bound to follow the same Atlas (maps) of 2014-15 for consideration of project proposals requiring wildlife clearances. The criterion used in the entire country for identification of tiger corridors for wildlife clearance shall be followed in the State of Maharashtra also, as the procedure being followed in the State of Maharashtra cannot be different from the procedure being followed in the other states of the country and also it can not be different for different regions with the state of Maharashtra.

2. The Decision Support System (DSS) of NTCA Website and PARIVESH portal of MoEF&CC, Govt. of India, are also using the same Atlas (maps) i.e. the Atlas (maps) in the report published by the NTCA in 2014-15.

3. Wildlife Institute of India conducted studies in the Vidarbha region of Maharashtra and published reports called "Eastern Vidarbha Landscape (EVL)" study of 2016 and "Telemetry study" of 2021. These study reports may be used as tools for devising strategies for strengthening forest, wildlife and environment infrastructure in the study areas. Compensatory Afforestation Management and Planning Authority (CAMPA) finds the State Wildlife Funds should be used for this purpose.

4. Forcing any agency/project to obtain wildlife clearance for the areas not falling in Tiger Corridor Atlas Map approved by NTCA published in 2014 will cause injustice and it will adversely affect the socioeconomic development of that area. It will also lead to diversion of investment proposals to the other neighbouring states.

5. The State Board for Wildlife (SBWL) should recommend projects for approval of National Board for Wildlife (NBWL), only if the proposed project areas fall under the Atlas (maps) of 2014-15 published in NTCA report and require wildlife clearance as per maps in the DSS/PARIVESH Portal. If the DSS/ PARIVESH Portal is returning with message that wildlife clearance is not applicable, then the projects discussed above will not attract the provisions of Sec 38-O (1)(g) of Wildlife Protection Act, 1972 and obtaining wildlife clearance will not be applicable for them.

The State Board for wildlife decided to accept only tiger corridors as delineated in NTCA's report "Connecting Tiger Populations for Long-term Conservation" in 2014-15 and as per the GIS data pertaining to Tiger

Reserves, Protected Areas and corridors available under Decision Support System (DSS) on the website of NTCA.

Further, the State Board for Wildlife (SBWL) decided that the projects discussed in Agenda Item No.2.1 and 2.2 above will be scrutinized towards applicability for obtaining Wildlife Clearance, and will be recommended to NBWL for approval only if the proposed project areas fall under the Tiger Corridor Atlas (maps) of 2014-15 published in NTCA report and require wildlife clearance as per maps in the DSS on the website of NTCA.

ACS (Forest) informed members that Collector, Chandrapur and Chairman, ESZ monitoring committee vide letter dated 11 April, 2025 has requested that

Insert text here

**No cutting and felling of tree certificate of Deputy Conservator of
Forests**

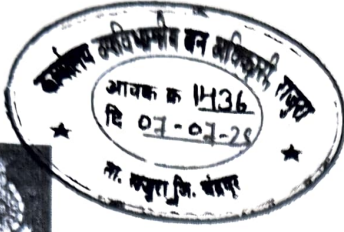
Certified that there is no cutting and felling of trees in the "Proposal of 12.07 Ha. Reserved Forest Area (Under Section-4 of IFA 1927) for Sakhri -Irawati (Pauni-III) Open Cast Project of WCL Ballarpur Area Ta. Rajura Distt. Chandrapur."

Date: 10.07.2025

Place: Chandrapur


(Swetha Boddu)

Dy. Conservator of Forests,
Central Chanda Forest Division,
Chandrapur



महाराष्ट्र शासन
वनविभाग



वनपरिक्षेत्र अधिकारी (प्रादे.) वनसडी यांचे कार्यालय

Email ID- rfowansadi@gmail.com

जा.क्रमांक/वपअ/वन/ 25-26/ 382

वनसडी दिनांक 07/07/2025

प्रति,

✓ मा. उपवनसंरक्षक,
मध्य चांदा वनविभाग
चंद्रपुर

विषय : Proposal For seeking Prior approval of the Central Government under section 2(1)(ii) of the Van (Sanrakshan Evam Samvardhan) Adhiniyam. 1980 for diversion fo 12.07 forest land Sakhari-Irawati (Pouni III) Opencast Mine Project in Reserve Forest Compartment No R603 in favour of M/s Western Coalfields Limited in Chandrapur District in of Maharastra State. (Online No FP/MH/MIN/8832/2014)-regarding.

मार्फत : मा. उपविभागीय वनअधिकारी, राजुरा

संदर्भ : 1) आपले कार्या.पत्र क्र.कक्ष-12/सर्व्हे/जमिन/2023-24/2272 चंद्रपुर दिनांक 27.03.2025

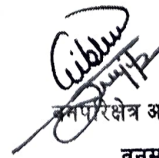
2) या कार्या.पत्र क्र.वपअ/वन/24-25/46 वनसडी दिनांक 11.04.2025

उपरोक्त संदर्भित पत्राचे अनुषंगाने कळविण्यात येते की, वनसडी परिक्षेत्रांतर्गत उपक्षेत्र गडचांदुर येथील मौजा साखरी-ईरावती वन (संरक्षण व संवर्धन) अधिनियम 1980 चे कलम 2(1) (ii) नुसार साखरी-इरावती कोल माईन्स करिता 12.07 हे.आर. वनक्षेत्र वळतीकरण करणे मान्यता प्रदान करून सदर क्षेत्राचे सेप्टी झोन सर्व्हेक्षण, मिमांकन, चेन लॅक, फेन्सींग, आरसीसी पिल्लर व सेप्टी झोन चे अंदाजपत्रक तयार करून सादर करण्यास कळविले, तसे या कार्यालयाने संदर्भित पत्र क्र.2 अन्वये अंदाजपत्रक सादर केलेले आहे.

तसेच प्रस्तावित 12.07 हे.आर. क्षेत्रात वृक्षतोड करावी लागेल किंवा कसे याबाबत विचारणा करण्यात आली होती. त्याअनुषंगाने क्षेत्र सहायक गडचांदुर यांचे मार्फत दिनांक 02.07.2025 ला भोक्का चौकशी करून सदर चे मौजा साखरी-ईरावती माईनिंग 12.07 हे.आर क्षेत्रात कोणतेही वृक्ष आढळून आलेले नाही.त्याबाबतचा पंचनामा नोंदवून यासोबत सहपत्रीत करण्यात येत आहे.

करीता माहितीस व पुढील कार्यवाहिस सविनय सादर.

सहपत्र : पंचनामा


वनपरिक्षेत्र अधिकारी (प्रादे.)
वनसडी

पृष्ठांक - उपवि.कक्ष/रा/919
रा.सु.स. दि. 10.07.2025

महोदय, वरील प्रमाणे माहितीस व प्रमाणे
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आवक क्र 1436 दि 07-07-25

सहपत्र - वरील प्रमाणे

उपविभागीय वन अधिकारी
राजुरा

मौकापंचमहा

स्थळ:- कुक्ष क्रमांक 603 राखीव वन
मौजा - साखरी

दिनांक:- 02/07/2025

पंचलोक:-

1) श्री. (अरुण जगपती टेकाव वय 56 वर्ष थंडवळमनूर

राहणार. गडचोडूर ता. कोरपणा जि. चंद्रपूर

2) श्री. सोना जैगानी कोरपणे वय 51 वर्ष थंडा - अन्नूरी

बाह. मानोली ता. राजुरा जि. चंद्रपूर

ह्याबद्दी वरनगुद पंचलोक आत दिनांक 02/07/2025 तेजी

क्षेत्र सहाय्यक गडचोडूर श्री. डि. एस. टोणे व नियतवास्तवक बाबडी

श्री. एस. एस. जेश्वर जोचे जोळविषयवरून मौजा - साखरी येथे हजर झाले

(असता तिथे) (आत्मस पनायिहारी. सोवतात की आ वनपरिक्षेत्र अधिकाारी कनसडी

यान्चे कर्तव्यवर्तन पत्र क्रमांक 1/वपझ/वन/24-25/04 दिनांक 1/4/2025

(सत्त्वये मौजा साखरी येथील राखीव वनखंड क्रमांक 603 येथील वन (संरक्षण

व संवर्धन) (आधीनियम 1980 चे कलम - 2(1) (ii) नुसार साखरी

इरावती कोळमार्हेस करिता 12.07 हे आर वनक्षेत्र वदती करिता सत्त्वता

माध्यता प्रदान केलेली असून सहर क्षेत्राचे जोळपेवतांना वनविजे करिता

आपठा पंच म्हणून हजर राहून सहकार्य करणे अशी विनंती केळ्यावरून

(आम्ही पंचलोक वनायिहारी व साखरी मार्हेसचे) (आधीनियम व सर्वेअर

सर्वजन वनखंड क्रमांक 603 मौजा - साखरी येथे हजर झाले.

पुढे वनायिहारी योनी सहर क्षेत्राची पाहणी मा.

मध्यचोडा वनविभाग चंद्रपूर येथी जरी केलेल्या KML फॉर्मच्या आधारे

केली असता सदरची जमिनी वनक्षेत्रात येत असल्याचे दिसून आले. त्यानंतर

वनायिहारी व मार्हेस (आधीनियम योनी सर्वे क्रमांक 603 येथील 12.07 हे

मध्यचे फिरून पाहणी केळी व सहर क्षेत्राच्या वाळ्याशिमेवर खुणा करून

क्षेत्र निश्चित केले व GPS मशीनच्या सहाय्याने सदरचा वनक्षेत्राचे

पालीजीन घेण्यात आले त्यानंतर सहर क्षेत्रात केलेली झाडे ओढत यावी

(आम्हा पंचायतप्रक्ष पाहणी केळी असता. सदरच्या क्षेत्रात केलेली झाडे

नाही. पुढे वनायिहारी योनी (आम्हा पंचायतप्रक्ष सहर क्षेत्राचे सचलुष-

शिमा व GPS Reading नोंदवून घेतले ते पुढील प्रमाणे वनक्षेत्राच्या

पुर्वेक - WCL मार्हेस पश्चिमेक - मध्युळ विभाग सर्वे न. 104 उत्तरेक -

WCL परिसर दक्षिणेक - WCL परिसर N 19 49 14 E 079 13 51

अशी आहेत.

वरिष्ठप्रमाणे मोजा साखरी येथील राखीप
वनखंड क्रमांक 653 येथील क्षेत्र 12.07 हे आर क्षेत्र
वन (सेवका व सेवक) समितीक 1980-ये क्रमांक
21 (11) नुसार साखरी इरावती कोलत्राईस करिता
वनक्षेत्र वकती करिता तात्वता माध्यता प्रदान करण्यात
आलेल्या ठिकाणी प्राथमिक जाडून ओळखापर्यंत सत्यपरि-
स्त्रिनुसार व आखी पंचानी पाहून सांगितल्यानुसार
सह्य मोजापंचनामा मिळून तो आखा पंचाना वाचून
हाथपुन सभाजावून सांगण्यात आला तो बरोबर
असल्याची खात्री करून देणाऱ्याही दबावाच्याही न
येता व कोबतेही नशापाणी न करता स्वच्छीने
मोजापंचनाम्यावर सही/छांबूटे करित आहे.

सह्य पंचनामा आज दिनांक
02/07/2025 रोजी सकाळी 9.00 वाजता सुरू करून
10.30 वाजता संपविण्यात आला.

मोजापंचनामा मी स्वतः
नोंदविला

D.S. Fonge
Round Officer
Gadchandur

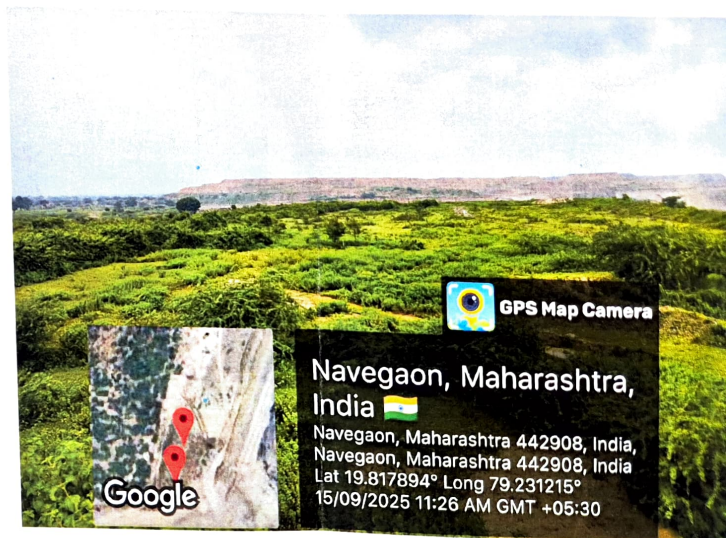
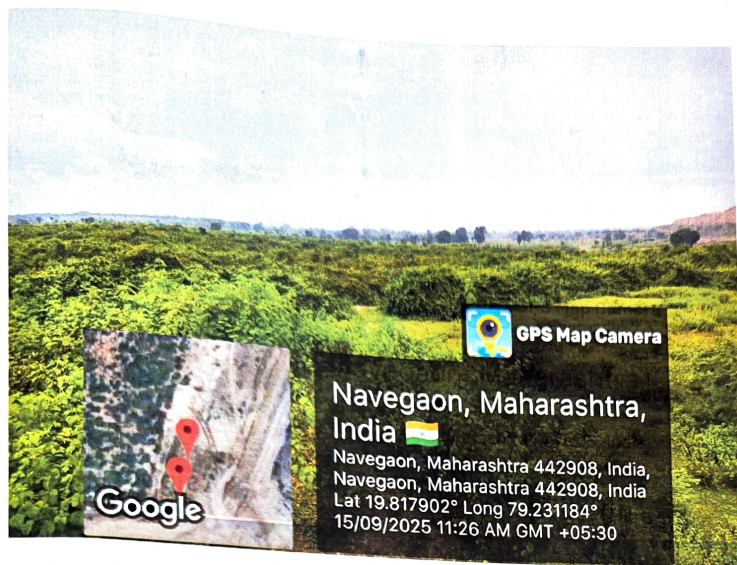
पंचाची सही

① निपताराम

② योगा

संमेलन

संमेलन
एस.एस. मोजा
व.र. मोजा (अती)





FCA Projects, Diverted Land, CA Land Management

[Home](#) [FCA-1980 Projects](#) [Diverted Lands](#) [CA Lands](#) [Reports](#)

Detailed Summary of Selected FCA Project

Project Basic details

S.No.	Project Name	Project Year	Project Type	Purpose of Diversion	Total Land Diverted	User Agency
1	Diversion of 12.07 ha. Forest land of Sakhari-Iravati (Pouni III) Open Mine Project in Reserve Forest Compartment No.R603 in favour of M/s Western Co	2025	Mining	Mining	12.070	

Details of Diverted forest land

S.No.	Area Diverted (In Hac)	Division	Range	Forest Type	Location
1	12.070	Central Chanda	Wansadi	Reserved Forest (RF)	Village -Sakhar

Details of Lands received from user agency for Compensatory Afforestation

S.No.	Land Type	Area(in Ha)	District	Range	Notification order No.
1	Degraded Notified Forest	25.000		Ballarshah [Central Chanda]	

Details of the amount demanded from UA against the FCA project

S.No.	FCA Proj. File No	Project Name	State	Proj. Year	Order No.	Date	NPV	CA	ACA	PCA	PAF	CAT	SZ	Others	Total Demand
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Data Not Available

Details of the amount received from UA against the FCA project.

S.No.	FCA Project File No	Proj. Name	State	Proj. Year	Ref. No.	Ref. Date	Receipt Date	NPV	CA	ACA	PCA	PAF	CAT	SZ	Others	Total Received
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Data Not Available

[Lock and Print Details](#)
[Go Back](#)

Condition No. xi

WESTERN COALFIELDS LIMITED
BALLARPUR AREA
SAKHARI-IRAWATI PAUNI III OCOPENCAST PROJECT

COMPLIANCE TOWARDS MINING IN PHASED MANNER,
TREE FELLING AND PLAN FOR LAND RECLAMATION

Mining Strategy:

Sakhari-Irawati Pauni III OC is working in two Quarries namely Quarry 1 and Quarry 2, in which Quarry 2 is west side to the Quarry 1. Initially coal extraction has been proposed to continue in Quarry 1. Considering the prevailing geo-mining parameters of Quarry 1, maximum 0.60 Mtof production can be achieved from this Quarry 1. Therefore, to achieve target capacity of 3.25Mty, it is proposed to work both Quarry 1 and Quarry 2 simultaneously from 4th year to produce 3.25Mty. The proposed 12.07Ha Forest land is stretched from west side of Quarry 2 from South to North Direction. Mining is phased out year-wise, cut wise and Quarry wise in the approved project report of Pauni II Exp OC Project. As the current mining operations are being carried out in the non-forest area of Quarry 2, approval for 12.07 Ha of forest land is required for mining purposes at the earliest. As per the calendar programme given in the project report, mining activities at the forest land 12.07 Ha area proposed to be initiated in the 4th year onwards to end of the mine closure.

Tree Felling:

The 12.07 Ha Forest Land has no tree involved. It is inspected and certified by the State Forest Department.

Reclamation Plan:

Sakhari-Irawati Pauni III OC is an ongoing project and reclamation activities are being carried since the beginning of the project. As per the dumping schedule / Post-Mining Plan, excavated areas of the project will be backfilled and biologically reclaimed as per the approved Mining Plan of 2018 and approved mine closure plan.

In an opencast project, land degradation occurs due to excavation activities and the creation of overburden (OB) dumps. To mitigate the impact of this degradation, simultaneous backfilling is carried out as much as possible. Additionally, efforts are made to minimize the extent of land designated for OB dumps, ensuring that the environmental footprint is kept as small as feasible.

Reclamation Procedure to be followed during the Mining Operation:

- i) Separation and dumping of top soil for reclamation for the mine closure
- ii) The top of the dump will be leveled with dozer and grader
- iii) An edge bund will be made along its periphery
- iv) The top of the dump will be divided into a number of plots of suitable size with a series of hills and valleys so as to enable the excess storm water to flow down.
- v) Water so collected at the foot of the spoil bank will be led into drains bunding into check dam for settling of the suspended solids.
- vi) Pits are then proposed to be dug in the contour trenches and filled with a mixture of top soil and manure / fertilizers. Saplings would, then be planted at the commencement of monsoon. Later when monsoon is over, they would be irrigated with piped water.
- vii) The biological reclamation of dump slopes would commence as soon as first bench is ready. The slopes would be flattened and leguminous grass seeds would be sown. This would help in rapid binding and consolidation of soil on slopes and improved soil fertility.
- viii) A progressive afforestation plan will be implemented in which includes reclaimed area along with Mining Lease Boundary, along roads and infrastructure, embankments, vacant land (if any,) by planting native species in consultation with the State Forest Department.
- ix) The terraces are to be sloped inward. There will be open masonry drains on all terraces at the foot of the bench.
- x) Once the mined-out area has been backfilled, the same efforts discussed above shall be undertaken in respect of backfilled area.

The reclamation of the mining area follows the dumping strategy outlined in the approved project report. The project proposes the removal of 189.47 million cubic meters (MM^3) of overburden. Of this, 48.33% (91.58 MM^3) will be used for backfilling (Internal Dumping) of the excavated areas. The topsoil which is separately dumped in dump no. B & C will be used over the backfilled area for biological reclamation. The mine closure plan includes provisions for reclamation and backfilling activities. The year-wise dumping strategy, as per the approved project report, is provided below:

Schedule of Land Reclamation

Type of Work	Ext. Dump (MM^3)	Backfilling (MM^3)	Total (MM^3)
Rehandling OB	00	00	00
Quarry 1	00	00	00
Quarry 2	2.469	10.331	12.80
Trench Cutting	1.856	00	1.856
Total	4.325	10.331	14.656

Year-wise Schedule of Reclamation

Year	Year Wise Reclamation	
	Volume (MM ³)	
2025-26	0.747	
2026-27	1.722	
2027-28	1.953	
2028-29	2.356	
2029-30	2.856	
2030-31	3.166	
Total	12.800	

Plantation is also planned for the mechanically reclaimed land during the first three years of the mining operation. This will help accelerate the reclamation process and promote ecological restoration of the mined areas. Financial provision have also been made in the approved Project Report for augmentation / strengthening of existing Plantation as given below:

(Amounts in Rs.'000)

Sl.No.	Particulars	Capital Provision			References
		No.	Unit	Total Amount	
1	Financial provision for Plantation	LS	LS	92.942 Lakhs	As per approved Project Report

Rs.54.64 Lakh financial provision has been kept in Mine Closure Plan for biological reclamation of OB dumps and other areas. Apart from the above, Rs. 92.942 Lakh financial provision kept in the Mine Closure activities of approved project report for plantation of cleared area, safety zone and plantation over the external OB Dump.

The local tree species and fruit bearing spp. like *Ficus* spp., *Azadirachta indica*, *Madhuca indica*, *Lagerstromia speciosa*, *Dendrocalamus strictus*, *Cassia fistula*, *Holoptelia integrifolia* and other local species will be preferred for planting. As per the decision of the committee plantations should not be very dense. A specific distance between each plant should be maintained so that the site should not be crowded and site visibility will not hamper and for this, spacing of 2*2 m (2500 plants/ha) is being followed. The objective of plantation is to stabilize dump soil as well as not to hamper the vision. The plantation activity should be with the consultation of Forest Department. Polypot grass plantation on the dump area is being adopted. Development of grasses on it will provide ample availability of prey base to carnivores. It will also provide soil stability and will prevent soil erosion. Soil erosion resistant and soil binding grass species like *Dicanthium annulatum*, *Chrysopogon* spp., *Vetiveria zizanioides*, *Setaria nervosa* etc. are proposed for plantation.

MONITORING ORGANISATION

To have a close watch on the environmental condition and implementation of the various measures suggested, a multi-disciplinary approach is being followed. WCL, has an Environment Deptt. headed by General Manager (Env.) at its HQs. The department acts as an apex body which supervises and provides necessary support that are required for environmental management of various mining projects under the jurisdiction of the company.

- Area General Manager of the Ballarpur Area coordinates the activities of various disciplines in the area to render all necessary assistance at the implementing level i.e. Project.
- Area Nodal Officer (Environment) monitors all aspects of environment on behalf of the Area General Manager. He will also take suitable steps for generation of environmental data along with CMPDI team for its analysis and interpretations.
- Project Officer is responsible for mechanical reclamartion of the area. He is also responsible for biological reclamation with the assistance of GM's office.

ORGANISATION FOR MANAGEMENT

Sl.No.	Measures / Action		AGENCY
1	Environmental Control	1	General Manager, Ballarpur Area
		2	Area Nodal Officer (Environment), Ballarpur Area
		3	SAM / Project Officer, Gauri Pauni Sub Area
		4	Staff Officer, Civil, Ballarpur Area
		5	Environment Cell, WCL HQ
2	Environmental Monitoring	1	General Manager, Ballarpur Area
		2	Staff Officer, Civil, Ballarpur Area
		3	Area Nodal Officer (Environment), Ballarpur Area
		4	SAM / Project Officer, Gauri Pauni Sub Area
		5	Environment Cell, WCL HQ
3	Reclamation	1	SAM / Project Officer, Gauri Pauni Sub Area
		2	Area Nodal Officer (Environment), Ballarpur Area
		3	Colliery Surveyor
		4	Civil Engineer, Gauri Pauni Sub Area
		5	Nodal Officer (Environment), Gauri Pauni Sub Area


 (V. Srinivas)
 Sub Area Manager
 Gauri Pauni Sub Area


 (Elyas Husen Sheikh)
 Area General Manager
 Ballarpur Area

Condition No. xii

**WESTERN COALFIELDS LIMITED
BALLARPUR AREA
SAKHARI-IRAWATI (POUNI III) OPENCAST MINE PROJECT**

Land Surrender Plan for Forest Land 12.07 Ha

Mining is a large-scale activity which involves huge quantum of land area. It utilizes heavy machineries like Dumpers, Excavators, Drilling Machines etc. The location of coal reserve is site specific, which makes acquisition and diversion of the forest land is necessary for coal mining. Diversion of forest land is taken only if it is unavoidable by the User Agency i.e M/S WESTERN COALFIELDS LIMITED. After Completion of Mining operations, the diverted forest lands will be backfilled, biologically reclaimed as per the approved mining plan & Mine closure plan, after that it will be surrendered back to the Forest Department.

The Forest land measuring 12.07 Ha was acquired by the WCL u/s 9(i) of CBA (A&D) Act 1957 vide S.O. no 2276(E) dated 18.08.2015. The existing Sakhari-Irawati (Pouni III) Opencast Mine Project is being worked in Pauni Extension Block. The operation of existing mine has been planned in two quarries i.e. Quarry-I (Western quarry) and Quarry-II (Eastern quarry). Considering the practical difficulties in river diversion & village shifting, it is proposed to first work quarry-I. Quarry No. II would be worked after quarry-I gets exhausted. Presently, mine working is being done in Quarry-II and it has reached upto 60m RL (about 120m depth). Quarry-II involves diversion of Sakhari and Lande Nallah, which has been completed. The Forest Land 12.07 Ha was falling in the western side of the Quarry II.

As per the sequence of dumping and stage-wise plan, backfilling of void of the quarry will be initiated at the end of 6th year of mine life. During this period 1.5 MM³ quantity of internal dumping is proposed. This is a continuous process in which 80.73 MM³ quantity of internal dumping will be done by the end of 14th Year and End of Mine Life.

As per the latest Project Report of approved by the Coal India Limited Board in June 2015 and Mine Plan 2018, the mine life is 14 years. Hence, as per the mining plan, this 12.07 Ha Forest Land will be surrendered back to Forest Department after 19th Year and as per the Mine Closure Plan. If the forest land is handed over to M/S WESTERN COALFIELDS LIMITED after Stage II forest clearance and necessary formalities within the year 2025, it may be surrendered to the Forst Dept in the year 2044.

Hence, the activity wise land surrender schedule is given below **assuming that grant of Stage-II & Handover of Forest Land (FL) by 2025-26:**

Sr. No	Name of the activity	Area (in Ha)	Year of Operation	Tentative year of completion of activity	Proposed year of surrendering the Forest Land	Remarks
1	Quarrying	12.07	14 year (2025 to 2039)	2039	After completion of Biological Reclamation	Considering grant of Stage-II & Handover of FL by 2025-26
2	Backfilling (Technical Reclamation)	12.07	2 year (2040 to 2041)	2041	After completion of Biological Reclamation	After completion of Quarrying
3	Biological Reclamation	12.07	2 year (2042 to 2043)	2043	After completion of Biological Reclamation	After completion of Technical Reclamation
4	Handover of Forest Land	12.07	1 year (2044)	2044	2044	After completion of Biological Reclamation
	Total	12.07				

After receiving Stage II clearance, 2 Months' time is assumed to be taken for handing over of Forest Land to the User Agency. Mine will be operational for 14 years in all sectors. User Agency felt that it is technically possible to surrender the mined-out forest land after 14 years of Mining and 4 years of Mine Closure Activities. Hence, it is possible to surrender the forest land in 19th year, i.e. 2044. The reclamation of 12.07 Ha. will be done as per the Mining Plan & Mine Closure Plan. After disposal of all Mine Closure Claims and Relieve of all liabilities as per Mine Closure, the forest land will be surrendered which is subject to competent approval (Ministry of Coal).



(V. Srinivas)

Sub Area Manager/ Project Proponent
Gauri Pauni Sub Area



(Elyas Husen Sheikh)
Area General Manager
Ballarpur Area

WESTERN COALFIELDS LIMITED

(A MINI RATNA COMPANY)

NAGPUR (MAHARASHTRA)



**SAKHARI-IRAWATI PAUNI III OC MINE
BALLARPUR AREA
CHANDRAPUR DISTRICT**

**SCHEME FOR DE-SILTATION OF VILLAGE
TANK AND OTHER WATER BODIES LOCATED
WITHIN 5 KM RADIUS**

Condition No. (xviii)

**Ministry File No. FC-II/MH-165/2021-NGP -
I/102668/2025**

WESTERN COALFIELDS LIMITED
BALLARPUR AREA
SAKHARI-IRAWATI PAUNI III OPENCAST PROJECT

DE-SILTING OF VILLAGE TANKS & WATER BODIES LOCATED WITHIN 5 KM RADIUS

SCOPE

Stage I Condition No. xviii - The User Agency shall regularly undertake desilting of village tanks and other water bodies, located within five km from the mine lease boundary, as per approved plan, to mitigate the impact of project on such tanks/water bodies;

As per the above condition De-silting of Village tanks & Water Bodies will be carried out to mitigate the impact of mining activities. The dust generated due to the mining operations usually suppressed by dust control measures such as water sprinklers, black topping of roads, water spraying on roads, biological reclamation of OB dumps, green belt around etc.

WCL has identified 01 waterbodies (Ponds) within the 05 Kilometer area of Mine lease boundary namely, Sakhri Pond. During monitoring if any silt deposition is found it shall de-silted in consultation with State Government / Irrigation Department as and when required.

GPS Co ordinates of identified water bodies are as Follows:-

S.No.	Name of Village Tank / Water Body	Latitude	Longitude
1	Sakhri Pond	19°49'28.93"N	79°14'47.29"E
2	Pauni Pond	19°49'25.56"N	79°16'24.32"E
3	Waroda Pond	19°49'56.61"N	79°13'24.59"E
4	Well in Sakhari Village	19°49'36.05"N	79°14'51.38"E
5	Well in Sakhri Village	19°49'31.96"N	79°14'57.64"E
6	Well in Waroda	19°49'44.72"N	79°13'25.44"E

Any other water bodies located in 5 km radius within forest land will also be de-silted by the User Agency as per requirement of the State Forest Department. An undertaking has been already attached with compliance report, copy of the same resubmitted as **Annexure 7(i)**.

A google plan showing the mining lease area of Sakhari-Irawati Pauni III OC Project, proposed village tanks / water bodies for de-silting within 5 kilometer radius area is enclosed along with this plan as **Annexure 7(ii)**.

Comprehensive Hydrogeological Report and Ground Water Modelling Studies in both Core and Buffer zone for the instant mine has been done by CMPDIL, Nagpur. Copy of relevant pages of report w.r.t. Sakhri Pond is enclosed as **Annexure 7(iii)**.

Brief details of the report as under: -

S.No.	Name of Village Tank / Water Body	Length (m)	Width (m)	Area (m ²)	Depth
1	Pond in Sakhari Village	410	150	61500	2

Details of ground water recharge from water conservation structures.

SL.NO	Location	Storage Capacity / Volume (length*width*depth) (a)	Number of fillings (b)	Estimated yearly recharge (m ³ /year) (a*b*0.40)
1	Pond deepening at Sakhari village near Pauni II Expn. OC Mine	123000	2	98,400 (for 365 days)

It is apparent from the above assessment that this structure would augment the groundwater of 98,400 m³/year in the recharge to the tune study area. The field photographs of the deepening of the pond done by the UA at Sakhari village near Sakhari-Irawati Pauni OC Mine

As the part monsoon activities Sakhari-Irawati Pauni III OC Project of WCL yearly de-siltation activities are being done in consultation and help of Sakhari Village.

WCL regularly paying Royalty and District Mineral Fund which will be used for various purposes aimed at improving the welfare of communities, development, and managing the impacts of mining activities. One of the key uses of royalty & District Mineral fund collected from coal mining includes, **Environmental Management and Rehabilitation**. Detail of latest Royalty & DMF enclosed as **Annexure 7(iv)**

- The royalty funds are used to address the environmental impact of coal mining, such as land reclamation, afforestation, and the restoration of ecosystems damaged by mining activities.
- It helps in funding projects aimed at controlling air and water pollution, soil conservation, and preventing further degradation of mining areas.
- District Mineral Fund is used for the reclamation and rehabilitation of land that has been degraded due to mining activities. This includes activities such as reforestation, land reclamation, and the restoration of water bodies.

MONITORING ORGANISATION

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ORGANISATION FOR MANAGEMENT

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		4	Civil Engineer, Gauri Pauni Sub Area
		5	Nodal Officer (Environment), Gauri Pauni Sub Area


(V. Srinivas)

Sub Area Manager
Gauri Pauni Sub Area


(Elyas Husen Sheikh)
Area General Manager
Ballarpur Area



Sakhri Pond Image 1.1



Sakhri Pond Image 1.2



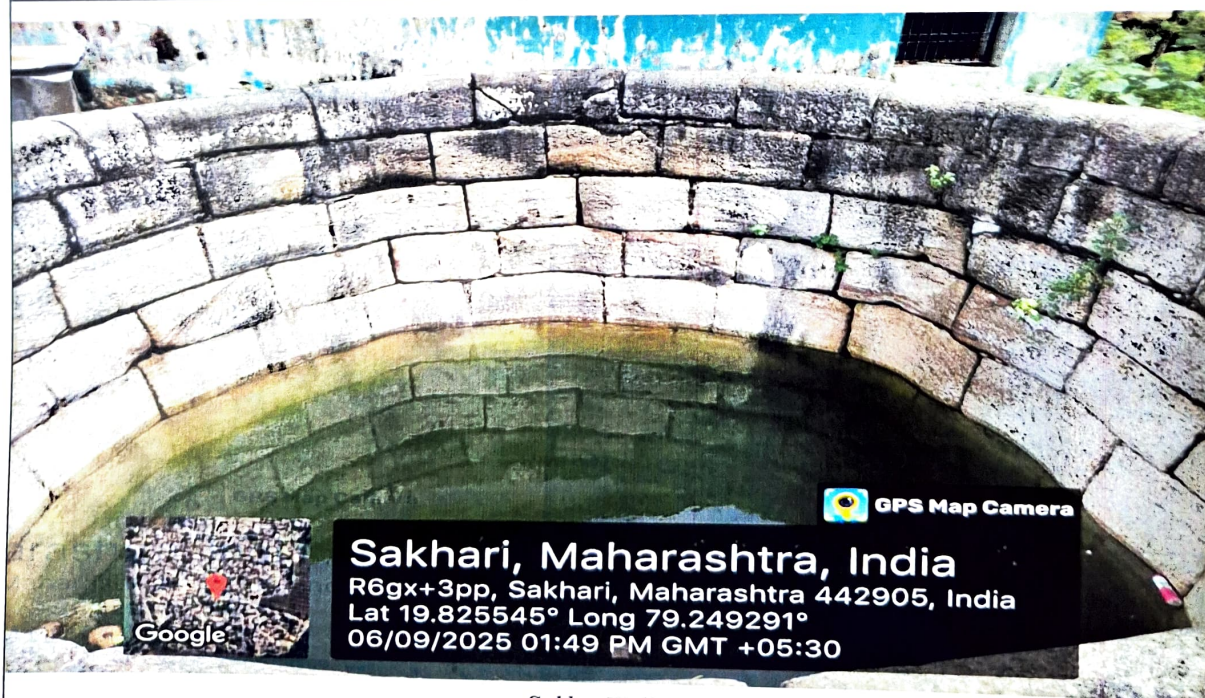
Pauni Pond



Waroda Pond



Sakhri Well 1



Sakhri Well 2



"केवल नागपुर कोर्ट के अधिकार क्षेत्र में"

"Under Jurisdiction of Nagpur Court only"



वेस्टर्न कोलफील्ड्स लिमिटेड

(मिनिरातन कंपनी) (कोल इंडिया लिमिटेड कि अनुबन्धी कंपनी)

कार्यालय : क्षेत्रीय महाप्रबंधक, बल्लारपुर क्षेत्र

पोस्ट सास्ती, तह. राजुरा, जिल्हा चंद्रपूर (महाराष्ट्र)

फोन नं. 07173-230105, ई.मेल- agmballarpur wcl@coalindia.in

Western Coalfields Limited

A Miniratna Company (A Subsidiary of Coal India Limited)

Office : Area General Manager, Ballarpur Area

Post Sasti, Tah. Rajura, Distt. Chandrapur (MS)

Ph. No. 07173-230105, E Mail-agmballarpur wcl@coalindia.in

पंजीकृत कार्यालय : कोयला विहार, सिविल लाइन्स, नागपुर (महाराष्ट्र)-440001
Regd. Office : Coal Estate, Civil Lines, Nagpur (MS) - 400001

CIN : U10100MH1975GOI018626
Website: www.westerncoal.in

Condition No. xviii

Name of the Proposal: Proposal for seeking prior approval of the Central Government under section 2 (1) (ii) of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 for diversion of 12.07 ha forest land for Sakhari-Irawati (Pouni III) Opencast Mine Project in Reserve Forest Compartment No. R-603 in favour of M/s Western Coalfields Limited in Chandrapur District of Maharashtra State regarding.

Proposal No. FP/MH/MIN/8832/2014

Ministry File No. FC-II/MH-165/2021-NGP - I/102668/2025

UNDERTAKING

(Regarding desilting of village tanks and other water bodies)

On behalf of M/s Western Coalfields Limited, Ballarpur Area, we hereby undertake that the WCL shall regularly undertake desilting of village tanks and other water bodies, located within five km from the mine lease boundary, as per approved plan to mitigate the impact of project on such tanks/water bodies for which Stage I Forest Clearance accorded vide Order No. FC-II/MH-165/2021-NGP - I/102668/2025 dated 20th March 2025 for diversion of 12.07 Ha forest land for Sakhari-Irawati (Pouni III) Opencast Mine Project in Reserve Forest Compartment No. R-603 in favour of M/s Western Coalfields Limited in Chandrapur District of Maharashtra State.



(V. Srinivas)

Sub Area Manager/ Project Proponent

Gauri Pauni Sub Area



(Elyas Husen Sheikh)

Area General Manager

Ballarpur Area

Date:

Place: Rajura

**Comprehensive Hydrogeological Report and Ground
Water Modelling Studies in both Core and Buffer Zones
for**

**Amalgamated Gauri Pauni Expansion OC Mine, Ballarpur Area,
WCL**

[Rajura Block (Safe), Chandrapur District, Maharashtra, India]

(NOC Quantity: - 21030 m³/day, 2nd Renewal)

Application No.: 21-4/346/MH/MIN/2016

**SUBMITTED TO
Central Ground Water Authority
New Delhi**



SUBMITTED BY

Western Coalfields Limited

[A Government of India Undertaking (A Mini Ratna Company)]

Civil Lines, Nagpur-440001, Maharashtra

May 2025

Prepared by:

CMPDIL

**Regional Institute-IV,
Hydrogeology Section,
Exploration Department
Jaripatka, Nagpur – 440014,
Maharashtra**

**(Accredited Ground Water
Professional Institution
By RGNWTRI, Raipur, Ministry of
Jal Shakti, GoI. and QCI-NABET)**

Prepared for:

Western Coalfields Limited,

**Amal. Gauri Pauni Expansion OC Mine, Office of
Sub Area Manager, Village: Gauri, Tehsil: Rajura,
District: Chandrapur, Pin - 442905**

(Project Proponent – Applicant)

Email ID: agmballarpur.wcl@coalindia.in

workings.

- Domestic effluent from Mine Office, Canteen etc. shall be treated in Sewage Treatment Plant. Treated effluent will be used for horticulture and sewage sludge will be used as manure.
- Proper groundwater recharge measures have been implemented in the study area to reduce impacts on groundwater.

6.6.1 Water Harvesting and Artificial Recharge Measures

The surplus mine water discharged into the local ponds converts them into as recharge pits and augments the source availability. The surplus mine water discharged into the nearby agricultural land not only improves irrigation potential but also increases the Groundwater recharge (spreading method) in the area. Hundreds of acres of land are irrigated by mine water of the string of OC and UG mines discharge and about 20% of the discharge enters the groundwater system as return flow.

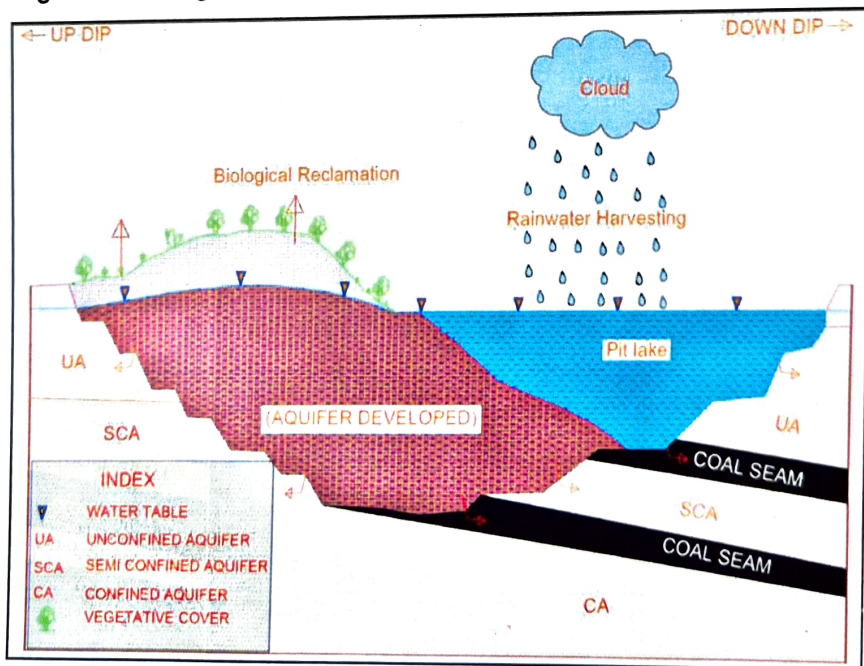


Figure 6.3: Schematic diagram depicting aquifer development and water body created in an abandoned Opencast mine.

A. Computation of groundwater recharge by RWHS in the study area

Efforts are being made to construct more recharge structures (i.e., ponds/tanks) at suitable sites in the nearby villages. Recharge Ponds or Artificial Rainwater Harvesting Structures have been constructed at different locations close to **Amal. Gauri Pauni OC Project**. The water from precipitation is collected into these ponds located in the following places (**Table 6.6 and Figure 6.5**), persistently recharging the groundwater regime of nearby vicinity in the area.

The project proponent has taken up pond deepening activity mentioned below to augment the groundwater recharge:

Table 6.6: Details of the Rainwater Harvesting Structures (pond deepening) constructed in the study area and estimation of groundwater recharge.

Sl. No	Place	Length (m)	Width (m)	Area (m ²)	Depth
1	Pond deepening at Sakhari village near Pauni II OC mine	410	150	61500	2

The following formula and norms have been used in the computation of recharge from water conservation structure (i.e., pond) constructed in the study area after referring to GEC-2015 guidelines. Estimation of recharge due to Water conservation structure (Pond) is given as follows

$$RWCS = GS \cdot RFact$$

Where

RWCS = Recharge due to Water Conservation Structures

GS = Gross Storage

RFact = Recharge Factor as a Fraction

GS = Storage Capacity * No. Of Fillings

Here, 40% of the Gross Storage during a year has been considered for the recharge computation (i.e., 20% during Monsoon Season and 20% during Non-Monsoon Season). Accordingly,

groundwater recharge from recharge ponds constructed in the area has been calculated and provided in following Table 6.7

Table 6.7: Details of groundwater recharge from recharge ponds.

SL.NO	Location	Storage Capacity /Volume (length*width*depth) (a)	Number of fillings (b)	RWCS: Estimated yearly recharge(m ³ /year) (a*b*0.40)
1	Pond deepening at Sakhari village near Pauni II Expn. OC Mine	123000	2	98,400 (for 365 days)
Sub-Total (A)				98,400

It is apparent from the above assessment that this structure would augment the groundwater recharge to the tune of **98,400 m³/year** in the study area. The field photographs of the deepening of the pond done by the PP at Sakhari village near Pauni II Expn. OC Mine, is provided below in Figure 6.4



Figure 6.4:Pond deepening at Sakhari Village.

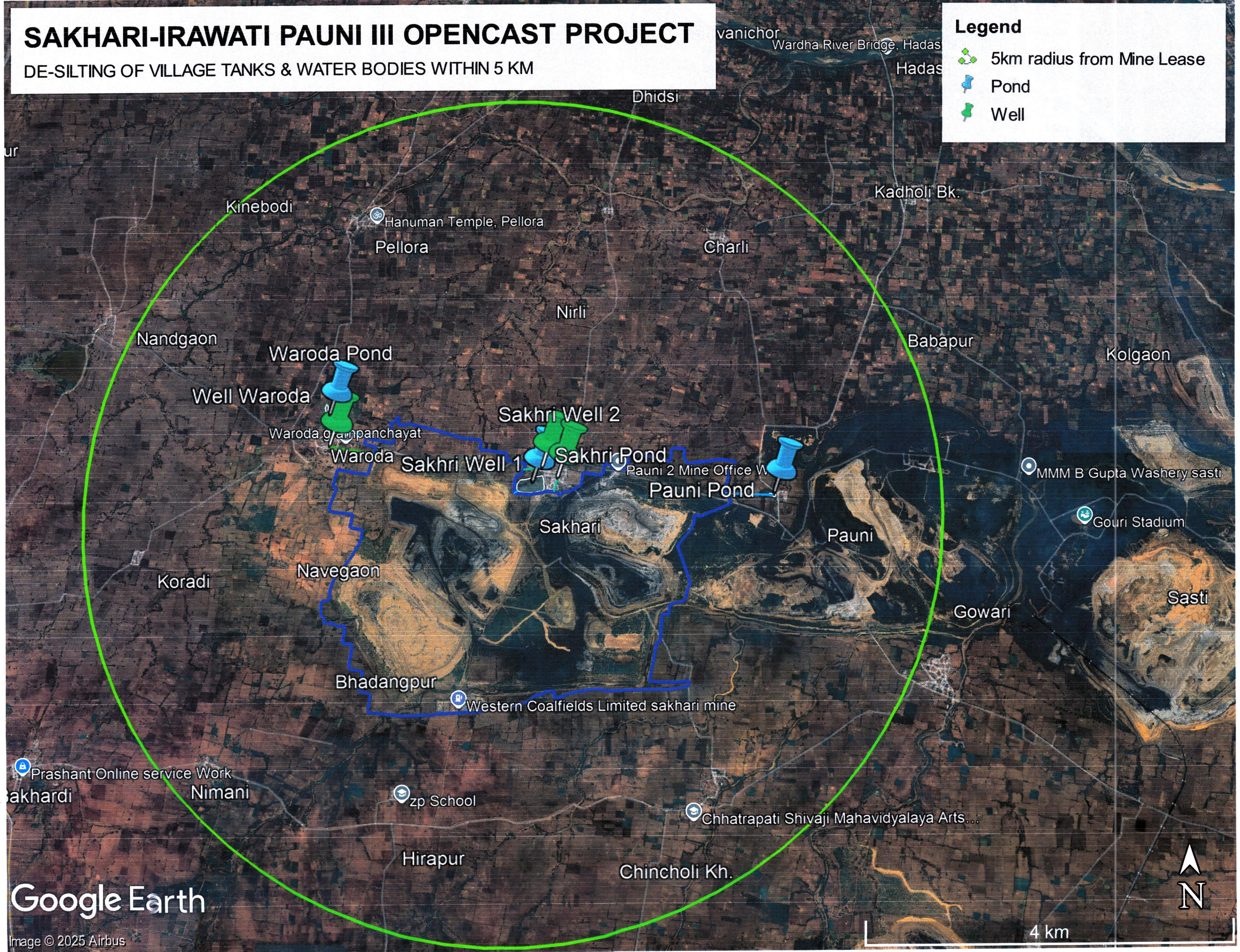
Contribution to State Exchequer by Ballarpur Area					
S. No.	Year	Royalty Amount (Crores)	DMF Amount (Crores)	NMET Amount (Crores)	Total (Crores)
1	2020-21	147.43	44.23	2.95	194.61
2	2021-22	206.07	61.82	4.12	272.01
3	2022-23	212.65	63.79	4.25	280.70
4	2023-24	316.35	94.91	6.33	417.58
5	2024-25	360.37	99.11	6.64	466.11
6	2025-26 (Till August)	98.09	38.43	2.56	139.08
	Total	1340.95	402.29	26.85	1770.09

SAKHARI-IRAWATI PAUNI III OPENCAST PROJECT

DE-SILTING OF VILLAGE TANKS & WATER BODIES WITHIN 5 KM

Legend

- 5km radius from Mine Lease
- Pond
- Well



Google Earth

Image © 2025 Airbus

Colliery Surveyor
Pauni II Expn OCM

MANAGER
PAUNI - II EXPN OCM
PSA-BALLARPUR AREA

उपक्षेत्रीय प्रबंधक
गोवरी-पोवनी उपक्षेत्र

"Under Jurisdiction of Nagpur Court only"

वेस्टर्न कोलफील्ड्स लिमिटेड

(भारत सरकार का कोल-रैटन श्रेणी उपक्रम)

Western Coalfields Limited

(A Miniratna - Coal | Government of India Undertaking)

CIN-U10100MH1975GOI018626



5 DECADES OF UNEARTHING ENERGY

क्षेत्रीय महाप्रबंधक, बल्लारपुर क्षेत्र का कार्यालय

Office of the Area General Manager, Ballarpur

Ph. No. 07173-230105

पंजीकृत कार्यालय : क्षेत्रीय महाप्रबंधक, बल्लारपुर क्षेत्र, पोस्ट सास्ती, तह. राजुरा, जिल्हा चंद्रपूर (महाराष्ट्र) E-mail : agmballarpur.wcl@coalindia.in
 Regd. Office : Area General Manager, Ballarpur Area, Post Sasti, Tah. Rajura, Distt. Chandrapur (MS) Website: <http://westerncoal.gov.in>

Ref No- WCL/ BA/AGM/Forest/25-26/ 96

Date- 18.09.2025

To,

The Deputy Director General of Forests (C),
 Regional Office, Nagpur Maharashtra

Sub: Submission of Comprehensive Soil Conservation Measures Scheme for Sakhari-Irawati Pauni III OC Mine of WCL Ballarpur Area in compliance of condition no. (xxi) of Stage-I FC issued by MoEF&CC, New Delhi.

Ref: (i) Stage-I FC issued by MoEF&CC, New Delhi vide FC-II/MH-165/2021-NGP Dated 20.03.2025
 (ii) EDS sought by MoEF&CC, New Delhi vide FC-II/MH-165/2021-NGP Dated 23.08.2025

Respected Sir,

The proposal for diversion of 12.07 Ha forest land for Sakhari-Irawati Pauni III OC Mine, WCL, Ballarpur Area, Tal. Rajura, Dist Chandrapur in the state of Maharashtra has been granted Stage-I/ In-principal approval by MoEF&CC, New Delhi vide FC-II/MH-165/2021-NGP/ I/102668/2025 dated 20.03.2025 (copy attached).

As per the condition no. (xxi) of the Stage-I/ In-principal approval, comprehensive soil conservation measures are to be undertaken by WCL at the project cost in consultation with the State Forest Department and a scheme of the same shall be submitted to the Regional Office. The condition is reproduced below for ready reference:

Quote

The User agency will undertake comprehensive soil conservation measures at the project cost in consultation with the State Forest Department. A scheme of the same shall be submitted to the Regional Office along with the 'in-principle' approval;

Unquote

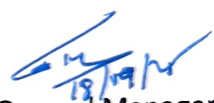
Accordingly, a Soil Conservation Measures Scheme has been prepared in consultation with Dy. CF, Central Chanda Division, Chandrapur incorporating the slope stability study conducted by Indian Institute of Engineering Science & Technology, Shibpur.

As per the directives given by MoEF&CC in the said condition no. (xxi), the scheme on Soil Conservation Measures is hereby submitted to your good office for kind perusal.

The compliance report of conditions stipulated in Stage-I/ In-principal approval is already submitted by WCL, Ballarpur Area to Dy(CF), Central Chanda Division on 18.06.25, which has been forwarded to MoEF&CC, New Delhi on 28.07.25 through APCCF(LM)/ Nodal Officer(FCA), Nagpur. Further, EDS sought by MoEF&CC, New Delhi vide FC-II/MH-165/2021-NGP Dated 23.08.2025. Reply to the EDS has also been submitted to Dy. CF, Central Chanda Division, Chandrapur vide letter dated 18.09.2025 (Copy attached).

Thanking You Sir.

With Regards,


Area General Manager
Ballarpur Area
Western Coalfields Ltd.

Copy to:

- Dy. CF, Central Chanda Division, Chadrapur
- GM (Mining)/HoD(Forest), WCL

WESTERN COALFIELDS LIMITED

(A MINI RATNA COMPANY)

NAGPUR (MAHARASHTRA)



SAKHARI-IRAWATI PAUNI III OC MINE

BALLARPUR AREA

CHANDRAPUR DISTRICT

COMPREHENSIVE SOIL CONSERVATION **PLAN**

Condition No. (xxi)

Ministry File No. FC-II/MH-165/2021-NGP - I/102668/2025

WESTERN COALFIELDS LIMITED
BALLARPUR AREA
SAKHARI-IRAWATI PAUNI III OPENCAST PROJECT

SCHEME FOR COMPREHENSIVE SOIL CONSERVATION MEASURES

INTRODUCTION

The Sakhari-Irawati Pauni III OC mine is an operating mine of Ballarpur Area, WCL located in the extreme western part of Rationalized Pauni Combined Geological block of Wardha Valley Coalfield. The area falls in the Rajura Tehsil of Chandrapur district of Maharashtra State. The Chandrapur district township is located at the distance of about 25 km from the block. Delhi-Madras Grand Chord Railway line passes through Ballarpur township which is located in the NE of the block at a distance of about 10 km. Ballarshah Railway Station is located in the NE at about 10 km from the area. The area of Sakhari-Irawati Pauni III OC block is bounded by latitudes N 19° 48' 19" and 19° 49' 27" and Longitude E 79° 13' 48" and 79° 16' 13". The block is covered in the survey of India Toposheet No.- 55 M/5.

OBJECTIVE

To plan mining operations in such a way that **no or minimal soil** degradation and erosion, maintain or improve soil fertility, and enhance water infiltration and storage.

THE PLAN

The Sakhari-Irawati Pauni III OC Project of WCL, Ballarpur Area have taken effective precautions as mentioned in their Environment Management Plan and Environmental Clearance Conditions. Environment Clearance obtained for Mine from the Ministry of Environment; Forest Clearance & Climate Change vide letter no. J-11015/80/2016-IA.II(M) dated 28th March 2019 for 3.25 MTPA. Sakhari-Irawati Pauni III OC Mine is an ongoing project. According to the EC obtained and as per Environment Management Plan of the Pauni-II Exp. OC Mine. We herewith mention the following activities which are helpful to for soil conservation as per the approved Project Report.

(i) Top soil management:

As per scientific study conducted by Indian Institute of Engineering Science & Technology, Shibpur for this project and also as per project report 2018, the top soil which is black cotton soil of an average depth of 6mtrs is removed and dumped separately in dump no. B & C and as per mine closure plan the separated BC soil is again rehandled & reclaimed to make the mined out area in to previous condition as a part of reclamation activity.

(ii) Soil Conservation Via Afforestation Measures

Primary reason for loss of fertility of soil is degradation and Soil erosion which is significantly lower in forested areas. Tree canopies and root systems stabilize the soil. Fine roots bind topsoil, and larger roots anchor it to subsoil layers. As a commitment towards the environmental clearance and green initiatives, adequate numbers of vegetation will be grown on the top surface and slopes of the dumps in order to arrest the erosion of soil and it also reduces surface run-off, which helps averting siltation of natural watercourses.

Afforestation has been carried out over an area of 79 Ha with the plantation of more than 1.97 lakh nos of trees of different species. Plantation has been carried out on dump, road side, near offices & colony.

- External OB dumps
- Roadside areas
- Near offices and colonies

The mine lease boundary is maintained as a green belt. Adequate vegetation is grown on dump surfaces and slopes to:

- Arrest soil erosion
- Reduce surface runoff
- Prevent siltation of watercourses
- Maintain natural soil quality

(iii) Prevention of Excavated Material Sliding

To prevent sliding of excavated materials:

1. Catch drains/ garland drains are constructed around dumps.
2. Step dumping is practiced.
3. Maximum OB dump height is 90 m in three lifts with an overall slope of 27°.
4. Each lift is divided in to three benches of height 10mtrs and width 20mtrs.
5. Dumping areas are cleared of loose material beforehand.
6. Vegetation is grown post-dumping for stabilization.

(iv) Slope Stability

As per the approved Project Report, the following measures are adopted:

- i. Catch drains / Garland Drains of size 1.5 Meters width & 2.5 Meters depth have been provided all along the mine boundry. The Total Length of Catch drains / Garland Drains already made is approximately 11.2 Kilometers.

- ii. Catch drain around the dumps for avoiding siltation
- iii. For the protection of excavated material sliding down, step dumping procedure is being followed.
- iv. A Slope Stability Study was conducted through Indian Institute of Engineering Science & Technology, Shibpur for this project. As per the study, maximum height of OB dump proposed above ground level is 90 m. in three lifts, each lift should not be more than 10mt height and inter lift width of atleast 10 mtr should be maintained, slope of individual lift should not exceed 36° and the maintaining overall slope of OB Dump 27° .
- v. Proper terracing of each lift in the OB dump shall be done using dozer to improve the shear strength of the underlying lift.
- vi. It is recommended to keep OB dump layers/ lift height to less than 1 mtr during dumping. It is done with an intention to improve the compaction and bulk density of overburden material.
- vii. Proper care is being exercised for effective dryness control to eliminate possible risk of liquification of BC soil due to excessive level of moisture content in it.
- viii. No accumulation of water is being ensured at the base of external OB dump for that garland drains are being made for run-off water.
- ix. Before dumping, place of dumping will be made free from loose material.
- x. After completion of dumping operations, dumps will be stabilized by growing vegetation.

(v) **Industrial Effluent Management**

The used water from the mine comprising Workshop, Garage, tyre wash system etc. may be contaminated with grease, oil, coal dust, dirt etc. This water will be allowed to settle and suitable treatment is being carried out in O & G trap. Thereafter the treated water is being recycled and reused and to avoid any discharge of effluent into natural watercourses, sewage disposal arrangement is being arranged.

Waste water is being collected properly and treated water coming out from the treatment plant is taken into the closed water circuit and recycled for its reuse. An ETP of 150 CMD capacity in operation with presettling tank, drain, O & G trap, sedimentation tank & clear water tank. The treated effluent is reused for washing of HEMM & dust suppression and tyre washing system. There is no discharge of effluents to outside nallah. All parameters of ETP waste discharge is being monitored regularly as per Env. (Protection) Amendment Rule, 2000 and the same shall be done for expansion project.

Adequate provisions are made at the ETP, designed as a **zero-discharge system**. All ETP discharge parameters are monitored regularly in accordance with the Environment (Protection) Amendment Rules, 2000.

(vi) **Mine Water**

Mine water discharge varies seasonally and may contain impurities such as coal dust and traces of oil. It is first collected in the quarry sump for primary settling, then pumped into sedimentary tanks for further treatment. Treated water is reused for:

- Dust suppression
- Watering of plants
- Washing of HEMM, etc.

Garland drains/catch drains (1.5m × 2.5 m) are constructed around the mine periphery (approx. 11.2km) to prevent discharge of wastewater onto nearby land and to trap sediment from OB dumps. Treated mine water is discharged via sedimentation ponds and reused for dust suppression on haul roads, coal depots, and other operational areas.

FINANCIAL PROVISION IN THE PROJECT REPORT FOR SOIL CONSERVATION MEASURES AND OTHER ENVIRONMENTAL MANAGEMENT INITIATIVES:

Sl. No.	Particulars	Total Amount (In Lakh)
1	Sedimentation pond for treatment of mine waste water	127.50
2	Effluent treatment plant for treatment of workshop effluent	513.00
3	Base line environmental data generation and scientific studies related to environment	15.00
4	Installation of fixed type sprinklers for Dust Control (including water reservoir, pump, pipeline, etc.)	100.00
5	Plantation during First three year	13.42
6	Air Monitoring (CAMS)	110.00
7	Scientific Study on Slope Stability, Hydro-geology, Drilling & Blasting and other Scientific Studies	100.00

8	Miscellaneous	
8.1	Digital Mapping for land use	15.00
8.2	10 to 30 Meter of three tier Green Belt along the mine Boundary for 10-12 kms to control air pollution	100.00
8.3	Fogging Arrangement for Dust Control measures	70.00
8.4	Tyre washing system	50.00
8.5	Sewerage treatment Plant	200.00
8.6	Installation of Piezometers with telemetry	25.00
8.7	Misc Provisions for fulfilment of additional regulatory requirements imposed by SPCB or MoEF&CC in Environment Clearance, CTE and CTO	40.00
8.8	Lumsum Provision for compliance of issues raised during Public Hearing	20.00
8.9	Corporate Environment Responsibility (CER)	218.22
	TOTAL	1717.14

MONITORING ORGANISATION

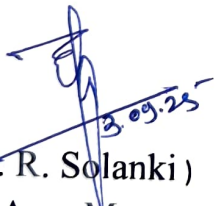
To have a close watch on the environmental condition and implementation of the various measures suggested, a multi-disciplinary approach is being followed.

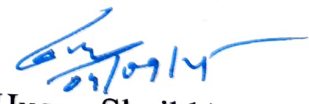
WCL, has an Environment Deptt. headed by General Manager (Env.) at its HQs. The department acts as an apex body which supervises and provides necessary support that are required for environmental management of various mining projects under the jurisdiction of the company.

- (a) Area General Manager of the Ballarpur area coordinates the activities of various disciplines in the area to render all necessary assistance at the implementing level i.e. Project.
- (b) Area Nodal Officer (Environment) monitors all aspects of environment on behalf of the Area General Manager. He will also take suitable steps for generation of environmental data along with CMPDI team for its analysis and interpretations.
- (c) Project Officer is responsible for mechanical reclamation of the area. He is also responsible for biological reclamation with the assistance of GM's office.

ORGANISATION FOR MANAGEMENT

Sl.No.	Measures / Action		AGENCY
1	Environmental Control	1	General Manager, Ballarpur Area
		2	Area Nodal Officer (Environment), Ballarpur Area
		3	SAM / Project Officer, Gauri Pauni Sub Area
		4	Staff Officer, Civil, Ballarpur Area
		5	Environment Cell, WCL HQ
2	Environmental Monitoring	1	General Manager, Ballarpur Area
		2	Staff Officer, Civil, Ballarpur Area
		3	Area Nodal Officer (Environment), Ballarpur Area
		4	SAM / Project Officer, Gauri Pauni Sub Area
		5	Environment Cell, WCL HQ
3	Reclamation	1	SAM / Project Officer, Gauri Pauni Sub Area
		2	Area Nodal Officer (Environment), Ballarpur Area
		3	Colliery Surveyor
		4	Civil Engineer, Gauri Pauni Sub Area
		5	Nodal Officer (Environment), Gauri Pauni Sub Area


 (B. R. Solanki)
 Sub Area Manager
 Gauri Pauni Sub Area


 (Elyas Husen Sheikh)
 Area General Manager
 Ballarpur Area

वेस्टर्न कोलफील्ड्स लिमिटेड

(भारत सरकार का कोल-रत्न श्रेणी उपक्रम)

Western Coalfields Limited

(A Miniratna - Coal | Government of India Undertaking)

CIN-U10100MH1975GOI018626



5 DECADES OF UNEARTHING ENERGY

क्षेत्रीय महाप्रबंधक, बल्लारपुर क्षेत्र का कार्यालय
Office of the Area General Manager, Ballarpur
Ph. No. 07173-230105

पंजीकृत कार्यालय : क्षेत्रीय महाप्रबंधक, बल्लारपुर क्षेत्र, पोस्ट सास्ती, तह. राजुरा, जिल्हा चंद्रपूर (महाराष्ट्र)

E-mail : agmballarpur.wcl@coalindia.in

Regd. Office : Area General Manager, Ballarpur Area, Post Sasti, Tah. Rajura, Distt. Chandrapur (MS) Website: <http://westerncoal.gov.in>

Date- 04.09.2025

Ref No- WCL/ BA/AGM/Forest/25-26/ 93

To,

Dy. Conservator of Forest
Central Chanda Division,
Chandrapur

Subject: Certification of Comprehensive Soil Conservation Measures Scheme for Sakhari-Irawati Pauni III OC Mine of WCL, Ballarpur Area, in compliance with condition no. (xxi) of Stage-I FC issued by MoEF&CC, New Delhi.

Ref: (i) Stage-I FC issued by MoEF&CC, New Delhi, vide FC-II/MH-165/2021-NGP, Dated 20.03.2025

(ii) EDS sought by MoEF&CC, New Delhi, vide FC-II/MH-165/2021-NGP, Dated 23.08.2025

Respected Sir,

The proposal for the diversion of **12.07 Ha** of Forest land for the **Sakhari-Irawati Pauni III OC Mine**, WCL, Ballarpur Area, Tal. Rajura, Dist. Chandrapur, in the state of Maharashtra, has been granted Stage-I approval by MoEF&CC, New Delhi, vide FC-II/MH-165/2021-NGP/I/102668/2025, dated March 20, 2025 (copy attached).

As per condition no. (xxi) of the Stage-I approval, **comprehensive soil conservation measures** are to be undertaken by WCL at the project's cost in consultation with the State Forest Department. A scheme for these measures must then be submitted to the Regional Office. The exact condition is quoted below:

"The User agency will undertake comprehensive soil conservation measures at the project cost in consultation with the State Forest Department. A scheme of the same shall be submitted to the Regional Office along with the 'in-principle' approval;"

Accordingly, a **comprehensive soil Conservation plan** has been prepared. This scheme incorporates the **slope stability study** conducted by the Indian Institute of Engineering Science & Technology, Shibpur, as directed by the MoEF&CC.

This scheme is now being submitted for your review and certification. Your certification is required for its onward submission to the Regional Office, MoEF&CC, Nagpur for compliance of EDS sought by MoEF&CC, New Delhi dated 23.08.2025 (copy attached).

Thank you, Sir.

Yours Sincerely,

क्षेत्रीय महाप्रबंधक
मध्य वॉशिंग्टन विभाग
गंड, चंद्रपूर

8/9/25

04/09/25
Area General Manager
Ballarpur Area
Western Coalfields Ltd.

STABILITY ANALYSIS OF PIT AND OVERBURDEN DUMP SLOPES AT PAUNI- II EXPANSION OPENCAST MINE

Prepared for

WESTERN COALFIELDS LIMITED

Consultants

Prof Pratik Dutta and Prof Prabir Kumar Paul



**INDIAN INSTITUTE OF ENGINEERING SCIENCE
AND TECHNOLOGY, SHIBPUR**

Howrah-711103

November 2019



INDIAN INSTITUTE OF ENGINEERING SCIENCE AND
TECHNOLOGY, SHIBPUR

Department of Mining Engineering

Report on

STABILITY ANALYSIS OF PIT AND OVERBURDEN
DUMP SLOPES AT PAUNI II EXPANSION OPENCAST
MINE

Submitted to:

Western Coalfields Limited

Ballarpur Area

Submitted by:

Prof. Pratik Dutta

Prof P.K. Paul