केवल नागपुर कोर्ट के अधिकार में

Under Jurisdiction of Nagpur Court Only

वेस्टर्न कोलफील्ड्स लिमिटेड

WESTERN COALFIELDS LIMITED

(मिनीरत्न कंपनी) (A Miniratna Company)

(कोल इंडिया लि. की अनुषंगी कंपनी)

(A Subsidiary of Coal India Limited

स्वच्छ भारत

एक कदम स्वच्छता की ओर

उपक्षेत्रिय प्रबन्धक का कार्यालय
घोंसा उपक्षेत्र

Ghonsa Sub Area,
Wani North Area
घोंसा उपक्षेत्र, वनी उत्तर क्षेत्र

Office of the Sub Area Manager
Ghonsa Sub Area.
www.westerncoal.nic.in

पंजी.का: पो.रासा, तह. वनी, जि. यवतमाल (महाराष्ट्र)-445304/ Regd. Off Po Rasa, Tah Wani, Dist. YavatmalMah- 445304

संदर्भ संख्या: WCL/WNA/GSA/RIC/MGR/2025-26/1429

दिनांक:

खान प्रबंधक कार्यालय
प्रेशीत पत्र क्र. 1429
दिनांक 20/11/25
राजुर इन्कलाईन कॉलरी

OFFICE OF THE
PROJECT OFFICER
GHONSA OPENCAST
Inward / Outward No 1336
Date 29/11/25 VAT Till

प्रति,

अपरमुख्य प्रधान वन संरक्षक,

पर्यावरण, वन और जल वायु परिवर्तन मंत्रालय,

क्षेत्रीय कार्यालय(पश्चिम केन्द्रीय क्षेत्र),

भूतल, ईस्टविंग, न्यू सेक्रेटरीएट बिल्डिंग,

सिविल लाइन्स, नागपुर – 440 001 (महाराष्ट्र राज्य)

विषय:-Six Monthly Compliance Report of Conditions Stipulated in Environmental Clearance for **Rajur Underground Coal Mine (0.21 MTPA)** of Wani North Area, WCL for the period **April'2025 to September'2025.**

महोदय,

With reference to above subject matter, please find enclosed herewith the Six Monthly Compliance Report of Conditions Stipulated in Environmental Clearance for **Rajur Underground Coal Mine (0.21 MTPA)** of Wani North Area, WCL for the period **April'2025 to September'2025** for your kind information please.

Thanking you Sir.

भवदीय,

29/11/25

उपक्षेत्रीय प्रबंधक
घोन्सा उपक्षेत्र

प्रतिलिपि:

1. क्षेत्रीय महाप्रबन्धक,वणी नार्थ क्षेत्र
2. महाप्रबंधक(पर्यावरण/विभागाध्यक्ष), वेस्टर्न कोलफील्ड्स लिमिटेड, मुख्यालय, नागपुर, महाराष्ट्र- 440 001
3. Central Pollution Control Board, Delhi
4. क्षेत्रीय अधिकारी, महाराष्ट्र प्रदूषण नियंत्रण बोर्ड, प्रथम तल, उद्योग भवन, स्टेशन रोड, चंद्रपुर, महाराष्ट्र – 442 401
5. क्षेत्रीय नोडल अधिकारी(पर्या.),वणी नॉर्थ क्षेत्र
6. कार्यालय प्रति

CONTENTS

- Environmental Clearance letter (from MoEF&CC)
- Consent to Operate letter (from MPCB)
- Data Sheet
- Status of Compliance Status of Environment Clearance Conditions

Annexures

- Environment Monitoring Report (for **April'2025 to September'2025**)
- Ground Water Level & Quality Analysis Report
- Environment Statement

No.J-11015/436/2006-IA.II(M)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan,
C.G.O.Complex, Lodi Road,
New Delhi -110003.

Dated: 17th May 2007

To
Head of Department Env./CE(Civil),
Environment Department,
M/s Western Coalfields Ltd.,
Coal Estate, Civil Lines,
NAGPUR - 440001.

Sub: Rajur Underground Coal Mine Project (0.21 MTPA) of M/s Western Coalfields Ltd. (WCL), located near village Rajur, Tehsil Wani, District Yavatmal, Maharashtra- Environmental clearance - reg.

Sir,

This has reference to letter of Ministry of Coal & Mines No. 43011/147/2006-CPAM dated 08.12.2006 forwarding your application and letter of M/s Coal India Ltd. dated 11.01.2006 on the above-mentioned subject. The Ministry of Environment & Forests has considered your application. It has been noted that the project is for production of coal in **the existing Rajur Underground Coalmine Project at 0.21 MTPA involving a total lease area of 1695.60 ha**, of which 1651.96 ha is agricultural land, 12.73 ha is forestland and 30.91 ha is Govt. wasteland. The mine requires renewal of lease. Forestry clearance is to be obtained with lease renewal. There are no National Parks, Wildlife Sanctuary, Biosphere Reserves found within the core zone and in the 10 km buffer zone. There is no reported Schedule-I fauna in the study area. River flows adjacent to mine lease. It is not proposed to modify the natural drainage. The project does not involve R&R. Area for UG mining is 1615.91ha. Surface area includes 68.24 ha for infrastructure which includes colony, 2 ha for roads, 3.45 ha for green belt and 6 ha for CHP. Mining will be underground by semi-mechanised method. **Rated capacity of the mine is 0.21 million tonnes per annum (MTPA) of coal production.** Mineral transportation of **500 TPD** of coal from pithead to railway siding is by road. Ultimate working depth of the mine is 220 m below ground level (bgl). Water table is in the range of 4.50m- 18.60m bgl in the core zone and 1:00m -16.25 m bgl in the buffer zone. Mining will intersect water table. Peak water demand is 4435m3/d of water of which 3500 m3/d is for sand stowing. Source of water is mine sump/pit water. Balance life of the mine at the rated capacity is 30 years. Public Hearing was held on 29.04.2006. NOC has been obtained on 09.06.2006. The project has been approved by M/s WCL on 06.05.1997. Capital cost of the project is **Rs. 10.85 crores.**

2. The Ministry of Environment & Forests hereby accords environmental clearance for the above-mentioned **Rajur Underground Coal Project of M/s WCL over a lease area of 1695.60 ha for production of coal of 0.21 MTPA rated capacity** under Section 12 of the Environmental Impact Assessment Notification, 2006 and subsequent amendments thereto and under Para 2.1.1 of MOEF Circular dated 13.10.2006 subject to the compliance of the terms and conditions mentioned below:

A. Specific Conditions

(i) Mining shall be carried out as per statuette at a safe distance from the river/nallah flowing adjacent to the lease boundary.

(ii) While extracting panels in the lower seam by UG method, all water bodies in the subsidence area shall be drained. Dewatering of the old goaves of the upper seam shall be continued as long as the lower seam is worked to prevent accumulation of large water bodies over working area.

(iii) At the time of depillaring, protective bunds and garland drains shall be provided so that no water from the surface enters the subsidence area and the shaft.

(iv) Sufficient coal pillars shall be left unextracted around the air shaft (within the subsidence influence area) to protect from any damage from subsidence, if any.

(v) Solid barriers shall be left below the roads falling within the blocks to avoid any damage to the roads.

(vi) No depillaring operation shall be carried out below the roads and village/ area with habitation found within the lease until they are relocated.

(vii) Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage pattern, water bodies, vegetation, structure, roads, and surroundings should be continued till movement ceases completely. In case of observation of any high rate of subsidence movement, appropriate effective corrective measures should be taken to avoid loss of life and material. Cracks should be effectively plugged with ballast and clayey soil/suitable material.

(viii) Garland drains (size, gradient and length) around the safety areas such as mine shaft and low lying areas and sump capacity should be designed keeping 50% safety margin over an above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. Sump capacity should also provided adequate retention period to allow proper settling of silt material.

(ix) Crushers at the CHP should be operated with high efficiency bag filters, water sprinkling system should be provided to check fugitive emissions from loading operations, conveyor system, haulage roads, transfer points, etc.

(x) Drills should be wet operated only.

(xi) Blasting should be practiced with use of delay detonators.

(xii) A progressive afforestation plan shall be prepared and implemented over the mine lease area and shall include areas under green belt development, areas along roads, infrastructure, along ML boundary and township outside the lease areas, etc, by planting native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.

(xiii) Regular monitoring of groundwater level and quality should be carried out by establishing a network of exiting wells and construction of new peizometers. The monitoring for quantity should be done four times a year in pre-monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected should be submitted to the Ministry of Environment & Forests and tot eh Central Pollution Control Board quarterly within one month of monitoring.

(xiv) The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource. The project authorities should meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.

(xv) Besides carrying out regular periodic health check up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment, if any, through an agency such as NIOH, Ahmedabad within a period of one year and the results reported to this Ministry and to DGMS.

(xvi) For monitoring land use pattern and for post mining land use, a time series of landuse maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MOEF and its Regional office at Bhopal.

(xvii) A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.

(xviii) Consent to Operate shall be obtained before starting mining operations after fulfilment of the conditions imposed in NOC.

B. **General Conditions**

(i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.

(ii) No change in the calendar plan including excavation, quantum of mineral coal and waste should be made.

(iii) Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for SPM, RPM, SO2 and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.

(iv) Data on ambient air quality (SPM, RPM, SO2 and NOx) should be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board and the Central Pollution Control Board once in six months.

(v) Fugitive dust emissions from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, wagon loading, dump trucks (loading and unloading) points should be provided and properly maintained.

(vi) Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc should be provided with ear plugs/muffs.

(vii) Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap should be installed before discharge of workshop effluents.

(viii) Vehicular emissions should be kept under control and regularly monitored. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.

(ix) Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.

(x) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.

Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.

(xi) A separate environmental management cell with suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the Head of the company.

(xii) The funds earmarked for environmental protection measures should e kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to this Ministry and its Regional Office at Bhopal.

(xiii) The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.

(xiv) A copy of the will be marked to concerned Panchayat/ local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.

(xv) State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/Tehsildar's Office for 30 days.

(xvi) The Project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution control Board and may also be seen at the website of the ministry of Environment & Forests at http://envfor.nic.in.

3. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.

5. The above conditions will be enforced *inter-alia*, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control

R-6/6

of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.

(Dr.T.Chandini)
Director

Copy to:

1. Secretary, Ministry of Coal, New Delhi.
2. Secretary, Department of Environment, Government of Maharashtra, 15th Floor, New Admn. Bldg., Madam Cama Road, MUMBAI – 400032..
3. Chief Conservator of Forests, Regional office (EZ), Ministry of Environment & Forests, E-2/240 Arear Colony, Bhopal – 462016.
4. Chairman, Maharsashtra State Pollution Control Board, Kalapataru Point, 3rd & 4th Floors, Sion, Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai – 400002.
5. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi -110032.
6. Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
7. Shri M.K. Shukla, CGM, Coal India Limited, SCOPE Minar, Core-I, 4t Floor, Vikas Marg, Laxminagar, New Delhi.
8. District Collector, Yavatmal Government of Maharashtra.
9. EI Division, Ministry of Environment & Forests, New Delhi.
10. Monitoring File 10. Guard File 11. Record File

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24044532/4024068/4023516
Website: http://mpcb.gov.in
Email: jdair@mpcb.gov.in

Kalpataru Point, 2nd, 3rd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/L.S.I (R35)/ Rev. RED/I.S./(88.3)
No:- Format1.0/APAE Section/UAN No.MPCB-CONSENT-0000235268/CR/2508000492

Date: 06/08/2025

To,
M/s Western Coalfields Limited,
Rajur Underground Coal Mine
WCL Wani North Area
Rajur Sub Area, At post Rajur,
Tq. Wani, Dist. Yavatmal.

Your Service is Our Duty

Sub: Grant of renewal of Consent to Operate under Red category.

Ref:
1. Previous consent granted vide No. No:- Format1.0/APAE Section/UAN No.MPCBCONSENT-0000163019/CR/2310000941, dated 12/10/2023, valid upto 30/04/2025.
2. Show cause notice issued vide letter No. No. MPCB/JD(APC)/SCN/TB-MPCB/SCN/2507020003, dated 02/07/2025
3. Compliance of Show Cause Notice submitted vide letter dtd.08/07/2025

Your application No.MPCB-CONSENT-0000235268 Dated 03.02.2025

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 30/04/2027**
2. **The capital investment of the project is Rs.47.16 Crs. (As per C.A Certificate submitted by industry Existing CI- Rs.46.87 Cr. + Increase in CI Rs.0.29 Cr.= Total CI Rs.47.16 Crs.)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	COAL mining on mining lease area of 1695.60 Hector	0.21	MTPA

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	13956	As per Schedule-I	(including mine discharge) Dust suppression and on land for irrigation
2.	Domestic effluent	200	As per Schedule-I	Soaked in soak pit

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	0	NA	0	As per Schedule -II

6. **Non-Hazardous Wastes:**

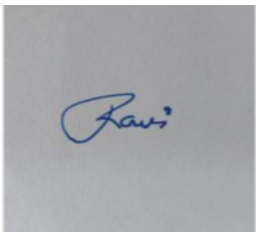
Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	NA	0	--NA--	-	-

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
NA					

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities
10. The applicant shall comply with the conditions of the Environmental Clearance granted by MoEF, GoI vide No. J-11015/436/2006-IA.II(M) dtd. 17/05/2007.
11. PP shall install minimum 03 CAAQMS within 03 Months from the date of issue of this consent.
12. PP shall install STP within 03 months period to treat entire quantity of domestic effluent generated from all source. Effluent shall be segregated and treated in Septic tank and soak pit till installation and commissioning of the STP.
13. PP shall convert existing water sprinkling arrangement into chemical fogging arrangement (MgCl2) within 03 months period.
14. PP shall provide tar road in remaining area to achieve ambient air quality. a
15. PP shall carry out over burden dump management as per CPCB guidelines.
16. PP shall carry out plantation as per EC condition before ensuing monsoon.
17. PP shall provide adequte treatment plant for mine water discharge and submit sedimentation tank design details.
18. PP shall comply conditions of NOC granted by Central Ground Water Authority and same shall be renewed in advance before expiry of its validity period.
19. Industry shall extend validity period of existing Bank Guarantee as per Schedule-III of consent towards O&M of pollution control systems and towards compliance of the Consent conditions in favor of Regional Officer, M.P.C.Board, Chandrapur.
20. The applicant shall make an application for renewal of consent 120 days prior to date of expiry of the consent. (Renewal)
21. The industry shall create an Environment Cell by appointing an Environmental Engineer OR Expert for looking after day-to-day activities related to Environment OR Pollution control.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.



Generated by PrintZBlock
8c9d0934
122a97ce
942c88b3
3f5889d9
6a671017
cfd0ef8c
c6388015
47b3adb7

Signed by: Ravindra Andhale
Joint Director (Air Pollution Control)
For and on behalf of,
Maharashtra Pollution Control Board
jdair@mpcb.gov.in
2025-08-06 17:09:56 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	477000.00	MPCB-DR-33046	11/04/2025	NEFT

Rs. 157500/- is balance with the Board and shall be consider during next renewal of consent.

Copy to:

1. Regional Officer, MPCB, Chandrapur and Sub-Regional Officer, MPCB, Chandrapur
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided one number of sedimentation tank of dimension 30m x 10m x 1.5m for mine water treatment & treated water is partly used for sprinkling.

   B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	5.5 to 9.0
(2)	Oil & Grease	10
(3)	BOD (3 days 27°C)	30
(4)	COD	250
(5)	Total Suspended solids	100
(6)	Total Dissolved solids	2100

   C] The Industry shall ensure connectivity of separate energy meter for pollution control system.

   D] The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, effluent shall find its way for gardening / outside factory premises.

2. A] Industry shall provide STP of adequate capacity to treat the entire quantity of domestic effluent generated from all sources within 3 months.

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	BOD (3 days 27°C)	Not to exceed	30
2	COD	Not to exceed	100
3	SS	Not to exceed	50

   C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	15309.00
2.	Domestic purpose	1053.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
0	NA		0.00	-	-	NA	-

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. Control Equipments
   a. Coal handling plant provided with dust collector & automatic water sprinkler shall be operated
   b. Scientific spraying of water on all working area, dump area, stock piles with the help of appropriate dust suppression system.
   c. Minerals shall be properly covered during transportation.
   d. The applicant shall carry out tree plantation along road side, around dumps or compulsory afforestation as per proposal approved by Forest Department. The tree plantation programme shall be taken up well in advance of the actual mining activity, so that green belt of sufficient width & height is developed between mining area/road and surrounding environment.
   e. Black topped metal roads provided shall be well maintained to prevent dust formation.
   f. Overloading of dumpers shall be avoided to prevent spillages.
   g. Correct type & quantity of explosive shall be used to avoid excess dust formation & vibration in the surrounding area.
   h. The slope of the over burden shall have slope not more than 28° to the horizontal. The overburden shall be properly covered by vegetation for stabilization.
   i. Minerals transportation shall be done by installing conveyors wherever possible & mechanically covered closed trucks shall be used for transportation.
6. Standards for Ambient Air Pollutants:

   The Suspended Particulate Matter (SPM), Respirable Particulate Matter (RPM), Sulphur dioxide (SO_2) and Oxides of Nitrogen (NO_x) concentration in downwind direction considering predominant wind direction, at a distance of 500 metres from the following dust generating sources shall not exceed the standards specified in the table given below:

   Dust Generating Sources:

   Loading or unloading, Haul Road, coal transportation road, Coal handling plant (CHP), Railway Sliding, Blasting, Drilling, Overburden dumps, or any other dust generating external sources like coke ovens (hard as well as soft), briquette industry, nearby road etc.

Pollutant	***Time weighted average***	***Concentration in Ambient Air***
Suspended Particulates Matter (SPM)	Annual Average	360 µg/m^3
	24 hours	500 µg/m^3
Respirable Particulate Matter (size less than 10 µm) (RPM)	Annual Average	180 µg/m^3
	24 hours	250 µg/m^3
Sulphur Dioxide (SO_2)	Annual Average	80 µg/m^3
	24 hours	120 µg/m^3
Oxides of Nitrogen as NO_x	Annual Average	80 µg/m^3
	24 hours	120 µg/m^3

i. In case of any residential or commercial or industrial place falls within 500 metres of any dust generating sources, the National Ambient Air Quality Standards notified vide MOEFCC GOI notification dtd 16.11.2009 as ammended shall be made applicable.

ii. The applicant shall provide minimum three ambient air quality monitoring stations within mining area which should be monitored for SPM, RSPM, SO_2, NOx, HC, CO etc. The Annual Arithmetic Mean of minimum 104 measurements in a year taken twice a week 24 hourly at uniform interval shall conform to the National Ambient Air Quality Standards prescribed under Air (Prevention and Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986. The records of results of monitoring done shall be made available for inspection to the officers of the Board.

7. The applicant shall take adequate measures for control of noise levels from its own sources as follows:

Sr. No	***Location***	***Permissible Norms [in dB (A)]***	***Desired minimum thickness of green belt (m)***
1.	Along Road side	65 (Commercial Area)	20
2.	In colonies	55 (Residential Area)	20
3.	Near Opencast Mines	75 (Industrial Area)	10
4.	Near CHPs	75	30
5.	Near Shaft	75	20
6.	Near Mine exhaust fan	75	> 50

8. Other conditions:

i Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess standards laid down, such information shall be forthwith reported to Board, concerned Police station, office of Directorate of Health services, Dept. of explosives, Inspectorate of Factories & Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	Rs.15.0 Lakh	15 days	Operation and Maintenance of pollution control system and also adhering to compliance of specific / general condition of Environment Clearance/Consent conditions	Continuous	30/8/2027
2	C to R	Rs.5 Lakhs	15 days	Providing STP	3 months	30/08/2027
3	C to R	Rs.5 Lakhs	15 days	Providing 3 nos. of CAAQMS	3 months	30/08/2027

****Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No. BO/MPCB/AS(T)/Circular/B-240229FTS0122

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

1. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
2. If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
3. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
4. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
5. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipment, the production process connected to it shall be stopped.
6. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
7. The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
8. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the H&OW(M&TM) Rules 2016, which can be recycled/processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/ reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
9. The industry should comply with the Hazardous & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
10. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
11. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
12. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
13. The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
14. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
15. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

16. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
17. Conditions for D.G. Set
    a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
    b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
    c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
    d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
    e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
    f) D.G. Set shall be operated only in case of power failure.
    g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
    h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
18. The industry should not cause any nuisance in surrounding area.
19. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
20. The applicant shall maintain good housekeeping.
21. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end
22. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
23. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipment provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
24. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises
25. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
26. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

This certificate is digitally & electronically signed.

EXPENDITURE STATEMENT
(ENVIRONMENT HEAD)

(Figs. in Lakhs)

Account Head	Financial Year							
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Air Pollution Control	2.00	2.58	-	-	-	-	-	-
Water Pollution Control	-	2.32	-	-	-	-	-	-
Afforestation	-	-	-	-	-	-	-	-
Statutory Fees (Consent Fees, Water Cess)	-	-	-	-	2.85	243.2	453	192
Total	**2.00**	**4.90**	**NIL**	**NIL**	**2.85**	**243.28**	453	192.00

20/11/2025
Asst. Manager (Mining)

NO(Env)
Rajur Incline Colliery

SQE (Civil)/NO(Env)
Ghonsa Sub Area

20.11.25
Mine Manager
Rajur Incline Colliery

20/11/25
Sub Area Manager
Ghonsa Sub Area

Ministry of Environment, Forests & Climate Change,
Regional Office (WCZ), Nagpur

MONITORING PROFORMA : PART – I

Name of the Project	Rajur Underground Coal Mine
Location and Address	Rajur Colliery, P.O.Rajur Tah. Wani, Dist. Yavatmal Pin 445 304
Address for correspondence	Office of the Sub Area Manager, Ghonsa Sub Area, PO-Rasa, Tah- Wani, Dist- Yavatmal, State-Maharashtra.
MoEF&CC Environmental Clearance letter No. & Date	EC Letter No.: J/11015/436/2006-IA.II(M) dated 17th May, 2007 (0.21 MTPA)
Period of Status Report	**April' 2025 to September' 2025**
Date of commencement of Project	1939

Status of Land Acquisition: The details are given as below:

Type of Land	Required as per EMP (Ha)	Actual acquired (ha) as on 30/09/2025
Forest	12.73	12.73
Agriculture	1651.96	1200.00
Govt. Waste Land	30.91	30.91
TOTAL	**1695.60**	**1243.64**

Status of Legal Compliances:

a. Consent under Air (Prevention and control of Pollution) Act. b. Consent under Water (Prevention and Control of Pollution) Act. b. Consent under Water (Prevention and control of Pollution) Cess Act	Consent to Operate has been granted by MPCB vide Consent Order No. RED/L.S.I (R35) No:-Format1.0/UANNo.MPCBCONSENT-0000235268/CR/2508000492 dt : 06.08.2025 Valid up to 30.04.2027
Environment (Protection) Act	Environment Clearance accorded vide MoEF&CC, New Delhi vide EC Letter No. J-11015/165/2009-IA.II(M) dated 8th June, 2017. Environment Audit statement for the **year 2024-25** has been submitted online on MPCB portal.
Forest (Conservation) Act	At present there is no planning for further development of mine under forest land.

PART-II
STATUS OF ENVIRONMENT

Air Pollution Control :-

a) No. of ambient air monitoring stations & frequency of monitoring	04 Nos. Ambient Air quality (Fortnightly Monitoring)
b) Name of the location	**Ambient Air Quality Monitoring Stations** 1) Near Bhandewada Incline (WNRUA-1) 2) Hutment/Substation (WNRUA-2) 3) Pit Office –(WNRUA-3) 4) SAM Office –(WNRUA-4)
c) Ambient air quality status for the parameters prescribed by state pollution control board.	Location | SPM | PM10 | SO_x | NO_x | PM2.5 Reports of Environmental Monitoring for the period from **April' 2025 to September' 2025** are enclosed.

Water Pollution Control:-

a). No. of stations and frequency of monitoring	One, Fortnightly
b). Description of locations	1)Mine Water discharge: WNRUW-1
c). Average concentrations of major pollutants prescribed by State Pollution Control Board (fig. in mg/lit except pH)	Location | **pH** | **COD** | **TSS** | **O&G** Reports of Environmental Monitoring Reports for the period from **April' 2025 to September' 2025** are enclosed.

Noise Pollution Control :-

a) No. of noise monitoring stations & frequency of monitoring	: 2 No.(Fortnightly)
b) Description of locations	1.Near Manager Office: WNRUN--1 2.Colony (Rajur): WNRUN—2
c) Noise level status prescribed by state pollution control board.	Location | Day | Night Reports of Environmental Monitoring Reports for the period from **April' 2025 to September' 2025** are enclosed.

PART-III

STATUS OF IMPLEMENTATION OF PROVISIONS OF EMP

Land Use Status:-

S.N.	Particulars	As per EMP	Current Period (April' 2025 to September' 2025)	Progressive upto 30.09.2025
1)	Area excavated (Ha.)	This is an underground mine, hence not applicable.		
2)	Top soil removed (MM^3)			
3)	OB removed (MM^3)			
4)	OB back filled (MM^3)			
5)	OB dumped (MM^3)			
6)	Area recovered for Reclamation (Physical area)			
7)	Area reclaimed biologically (Tree plantation on back-filled area)	N.A.		

Production:

Present Capacity/ Production: Previous years production figures are:

Year	Coal Production (Tons)
2021-22	**51555.00**
2022-23	**53266.00**
2023-24	**55555.00**
2024-25	**44670.00**
2025-26 (Sept 2025)	**12665.00**

Afforestation (figures in 000's):

S.N.	Locations	Current Period (April' 2025 to September' 2025)	Progressive upto 30.09.2025	Area Covered in Ha
01.	OB Dumps (Embankments)	This is an underground mine, hence not applicable.		
02.	Safety Zones	----------do----------		
03.	Backfilled Area	----------do----------		
04.	Other Area (Plantation)	18,574 Nos.		

Locations are marked on the working mine plan. Mine Plan is enclosed, in which plants are shown.

Area under plantation (progressive)	7 Ha
No. of plants per Hectare.	2500/Ha
Species planted up to date	Ashoka, Gulmohar, Karanj, Bar Subabul, Cassia, Neem, Amla, Khair, Teak,

	Shivaneta etc.

Rehabilitation and Resettlement:

S.No.	Particulars	SC	ST	Others
1	No. of land outsees	Not Applicable.		
2	No. of land outsees rehabilitated	All the land oustees and provided employment or monitory compensation as per company norms.		
3	No. of PAPs/PAFs to be resettled	Not Applicable.		
4	No. of PAPs/PAFs resettled	Not Applicable.		
5	Area of new site (Ha)	Not Applicable.		
6	Status of development	-------		
7	Civic amenities provided at new resettlement site	Not Applicable.		

Organizational set up at Project level (Environment Cell):-
Name and designation of the persons:

Shri. H. B. Das, Sub Area Manager, Ghonsa Sub Area.
Shri. Rahul Gawai, Mine Manager. Rajur UG Mine
Shri. Rakesh Gorai, Colliery Surveyor, Rajur UGM
Shri. Nrapanjay Gupta, SOE(Civil)/ Nodal Officer(Env.), Ghonsa Sub Area

Asst. Manager (mining) 20/11/2025	20.11.25	29/11/25	
NO (Env)	**SOE (Civil)/NO(Env)**	**Mine Manager**	**Sub Area Manager**
Rajur Incline Colliery	**Ghonsa Sub Area**	**Rajur Incline Colliery**	**Ghonsa Sub Area**

STATUS OF COMPLIANCE OF ENVIRONMENTAL CLEARANCE CONDITIONS

Name of the Project: Rajur Underground Mine (for production capacity 0.21 MTPA)

EC Letter No.: MoEF& CC vide EC Letter No.: J/11015/436/2006-IA.II(M) dated 17th May, 2007 (0.21 MTPA)

(For the period of April' 2025 to September' 2025)

A. Specific Conditions

Sl. No.	Specific Conditions	Compliance Status
i.	Mining shall be carried out as per statuette at safe distance from the river / nallah flowing adjacent to the lease boundary.	Mining is being carried at a safe distance from the river / nallah flowing adjacent to the lease boundary.
ii.	While extraction panel in the lower seam by UG method. All water bodies in the subsidence area shall be drained. De-watering of old goaves of the upper seam shall be continued as long as the lower seam is worked to prevent accumulation of large water bodies over working area.	All water bodies in the subsidence area shall be drained while extracting panel in the lower seam.
iii.	At the time of de-pillaring protective bunds and garland drain shall be provided so that no water from the surface enters subsidence area and the shaft.	Not Applicable
iv.	Sufficient coal pillar shall be left un-extracted around the air shaft (within the subsidency influence area.) to protect from subsidence if any.	Not Applicable
v.	Solid barriers shall be left below the roads falling within the block to avoid any damage to the roads.	Agreed
vi.	No de-pillaring, operation shall be carried out below the road and village / area with habitation found within the lease until they are re-located.	Not Applicable
vii.	Regular monitoring of subsidence movement of the surface over and around	Regular monitoring of subsidence movement is being done.

	the working area & impact on natural drainage pattern, water bodies, vegetation , structure , roads and surroundings , should be continue till movement ceases completely. In case of observation of any high rate of subsidence move- ment appropriate effective corrective measures should be taken to avoid loss of life & materials. Cracks should be effectively plugged with ballast and clayey soil / suitable material.	In case of observation of any high rate of subsidence, appropriate effective corrective measures will be taken
viii.	Garland drains (Size, gradient & length) around the safety area such as mine shaft & low lying areas & sump capacity should be designed keeping 50% safety margin over an above the peak sudden rain fall and maximum discharge in the area adjoining the mine sides. Sump capacity should also provide adequate retention period to allow proper settling of silt material.	Garland drains of required size and gradient & length have been provided around mine shaft and low lying areas for smooth drain out the rain water.
ix.	Crusher at the CHP should be operated within high efficiency bag filter , water sprinkling system should be provided to check fugitive emissions from loading operation , conveyor system, haulage road , transformer points etc.	There is no crusher in Rajur UGM. However water sprinkling system does exist for twin bunkers, is check fugitive emission.
x.	Drills should be wet operated only	Not Applicable
xi.	Blasting should be practiced with use of delay detonators.	Blasting is done with delay detonators
xii.	A progressive afforestation plan shall be prepared & implemented over the mine lease area & shall include areas under green belt development, area along roads, infrastructure, along ML boundary and township outside the lease areas etc. by planting native species in-consultation with the local DFO, agriculture department. The density of the trees should be around 2500 plants per ha.	Three row plantations has been done along the coal transportation road and coal stockyard and also around the compound of the colony which is situated near the mine. Till date 18,574 no. trees have been planted.
xiii.	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing well and construction of new peizometer. The monitoring for quantity should be done 4 time in a year in pre monsoon (May) , Monsoon (Aug) , Post monsoon (Nov) , and winter (Jan) seasons and for quality in May Data thus collected should submitted to be the ministry of environment and forest & to the central pollution control board quarterly within one month of monitoring.	Regular monitoring of ground water level and quality is being done four times in a year in pre-monsoon (May), monsoon(August), post-monsoon (November) and winter (January) and for quality in May. Data are being submitted regularly along with Six Monthly EC Compliance report
xiv.	The company shall put-up artificial ground	Agreed,

x.	Personnel working in dusty areas should protective respiratory devices and they should also be provided with adequate training and information on safety and health aspect. Occupational health's surveillances programme of the workers should be undertaken periodically to observe any contractins due to exposure to dust and to take corrective measures if needed.	Protective health & safety gears were being provided to workmen exposed to dust during operation. The workers were also given regular training on safety & health aspects (Statutory requirement under Mines Act). Periodical medical examination is carried out for each employee once in every 3 year to detect any disease so that, appropriate action can be taken.
xi.	A separate environmental management cell with suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the head of the Organization.	Environment cell exists at HQ headed by GM (Environment) with team of qualified multidisciplinary Engineers. At area the cell is headed by Area General Manager assisted by GM (Operation) & Area Nodal officer (Environment), at project level the cell is headed by Sub Area Manager assisted by Nodal Officer of Environment. GM (Environment) of HQ directly reports to the Director (Technical) P&P.
xii.	The funds separate earmarked for environ mental protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure should be reported to the Ministry.	The funds earmarked for environmental protection measures are maintained in separate account and used for the environmental protection work only.
xiii.	The regional office of this ministry located at Bhopal shall monitor compliance of stipulated conditions. The project authorities shall extend full co-operation to the offices of the regional office by furnishing the requisite date/information/ monitoring reports.	Noted.
xiv.	A copy of the clearance given by MOEF wil be morn to concerned Panchayat /local NGO if any from who any suggestion/ representation has been received while	A copy of clearance letter has been given to Surpanch Rajur Grampanchayat.
xv.	State pollution control board should display a copy of a clearance letter at the regional office, district industry center and collector's office, Tahsildar's office for 30 days	Not Applicable.
xvi.	The project authorities should advertise at least in two local news paper widely circulated around the project one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy clearance letter is available with SPCB and may also be seen at the website of MOEF at http//envfor.nic.in.	Complied
xvii	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Noted.
xviii	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the	Noted.

	water recharge measured for augmentation of ground water requirement of nearby village (s). In case the village wells go dry due to de-watering of mine.	Water requirement of nearby villages will be supplemented by giving water to theses villages, in case the village wells go dry due to de-watering of mine
xv.	Beside carrying out regular periodic health check up of their workers, 10% of the workers identified from work force engaged in active mining operations shall be subjected to health check up for occupational diseases & hearing impairment, if any, through an agency such as NIOH, Ahamadabad within a period of one year and the result reported to this ministry and to DGMS.	Agreed, Periodical medical examination/health checkup of workers are regularly done in WCL hospital.
xvi.	For monitoring land use pattern and for post mining land use, a time series of land use maps, bases on satellite imagery (on a scale of 1:5000) of the core zone and buffer zone, from the start of project until end of mine life shall be prepared once in three year (for any one particular season. Which is consistent in the time series) & the report submitted to MOEF & its regional office at Bhopal.	NA
xvii.	A final mine closure. Plan along with details of corpus fund should be submitted to the ministry of environment of forest five year in advance of final mine closure for approval.	The final mine closure plan will be submitted to the ministry of environment of forest five year in advance of final mine closure for approval.
xviii.	Consent to operate shall be obtained before starting mining operations after fulfillment of the condition imposed in NOC.	Consent to Operate has been granted by MPCB vide Consent Order No. RED/L.S.I (R35) No:-Format1.0/UANNo.MPCBCONSENT-0000235268/CR/2508000492 dt : 06.08.2025 Valid up to 30.04.2027

B. General Conditions

Sl. No.	Conditions	Compliance Status
i.	No. Change in Mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	Agreed
ii.	No. Change in the calendar plan including excavation quantum of coal and waste/ OB dumps should be made.	Agreed
iii.	Four ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, SO2 and Co monitoring Location of the ambient air quality station should be decided based on the	Four station have been located viz 1) Near Bhandewada Incline (W_NRUA-1) 2) Hutment/Substation (W_NRUA-2) 3) Pit Office –(W_NRUA-3) 4) SAM Office –(W_NRUA-4)

	meteorological data, topographical features environmentally and economically sensitive targets in consultation with the State Pollution Control Board.	Where in Ambient Air Quality is being monitored by CMPDIL, Nagpur on fortnightly basis.
iv.	Data on ambient air quality should be regularly submitted to this Ministry including its Regional Office at Bhopal and the State Pollution Control Board once in six months.	The ambient air quality is being monitored at every fort night and the observed values of different parameters are well within the permissible limit. Reports of Environmental Monitoring for **April'2025 to September' 2025** are enclosed with this report.
v.	Fugitive emissions should be controlled regularly monitored and data recorded properly. Adequate measures for control of fugitive emissions should be taken during drilling and blasting operations loading and transport of coal etc.	This is an underground mine and entire coal mining operations is carried out below ground. Moreover there is no overburden being generated. As such there is no other source of fugitive dust emission except coal transportation. Further during coal transportation overloading of trucks is avoided & trucks are covered with tarpaulin. In addition the roads used for coal transportation are black topped & maintained regularly. Entire drilling & blasting operations is carried out below ground & the operations for control of dust in U/G working faces are controlled as per Coal Mines Regulations . As such there is no impact of drilling & blasting on surface.
vi.	Adequate measures should be taken for control of noise levels below 85 dB in the work environment. The workers engaged in blasting and drilling operations, operation of HEMM etc. should be provided with car plugs/muffs.	Regular noise level monitoring is being done by CMPDIL, Nagpur on fortnight basis. Reports of Environmental Monitoring for **April'2025 to September' 2025** are enclosed with this report. Workers exposed to high noise level areas (blasting/Drilling etc) are provided with ear Plugs/muffs
vii.	Industrial waste water (workshop & waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dt. 19th May, 1993 and 31st December, 1993. The treated waste should be should be utilized for plantation purpose.	As it is U/G mine, there is no HEMM required washing/ maintenance. Work shop is very small for only small repair job. There is no waste water from workshop. Mine pumped out water is being treated in a sedimentation tank before discharge and regular monitoring of quality of water is being done.. Reports of Environmental Monitoring for **April'2025 to September' 2025** are enclosed with this report. The treated water is being utilized for plantation, dust suppression etc.
viii.	Vehicular emission should be kept under control and regularly monitored. Vehicles used for transporting the minerals should be covered with tarpaulins and optimally loaded.	PUC certificates of vehicles are checked time to time and vehicles used for transporting coal are properly covered with tarpaulin and are optimally loaded.
ix.	Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipments in consultation with the state Pollution Control Board.	Well established environmental laboratory exists at CMPDIL, Nagpur which monitors the Air, Water and Noise in the mining area.

	Environment (Protection) Act, 1986.	
xix	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.	Noted.

NO(Env)
Rajur Incline Colliery

SOE (Civil)/NO(Env)
Ghonsa Sub Area

20.11.25
Mine Manager
Rajur Incline Colliery

Sub Area Manager
Ghonsa Sub Area

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068

APRIL 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

TEST REPORT NO.	RIN/TR/APRIL-25/28		DATE OF ISSUE	25-05-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 Part-4 , PM-10: IS-5182 Part 23, PM2.5: IS-5182 Part 24, NO2: IS 5182 Part-06, SO2:IS 5182 Part-2			
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-04-25 TO 15-05-25

NEAR BANDEWADA INCLINE		WNRUA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	**PM_{10}**	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	271	184	35	14	11	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	294	199	46	18	13	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

SAM OFFICE		WNRUA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	**PM_{10}**	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	5	2	6	10	
08-04-2025	09-04-2025	255	167	40	15	12	CLEAR/LIGHT BREEZE
22-04-2025	23-04-2025	268	182	44	16	13	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

PIT OFFICE		WNRUA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	**PM_{10}**	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	5	2	6	10	
13-04-2025	14-04-2025	291	198	47	18	15	CLEAR/LIGHT BREEZE
27-04-2025	28-04-2025	247	155	42	14	10	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

HUTMENT		WNRUA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	2	6	10	
07-04-2025	08-04-2025	87	29	12	BDL	CLEAR/LIGHT BREEZE
21-04-2025	22-04-2025	74	24	10	BDL	CLEAR/LIGHT BREEZE
NAAQS, 2009		**100**	**60**	**80**	**80**	

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24			
SAMPLE DESCRIPTION	Air sample(Fugitive)			
SAMPLING METHOD : LSOP 4		PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

WEIGH BRIDGE		WNUF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	
FROM	TO	5	5	
21-04-2025	22-04-2025	410	289	CLEAR/LIGHT BREEZE

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	**Test Report**	TC-7102

SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -Part 11, TSS: IS 3025-Part 17, COD: APHA (24rd Edition) 5220 C , O&G: IS 3025-Part 39 & BOD: IS 3025 (Part 44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-04-25 TO 15-05-25

MINE WATER DISCHARGE:	**WNRUW1**			
DATE OF SAMPLE COLLECTION	**ANALYSIS RESULTS**			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13-04-2025	7.76	22	32	BDL
27-04-2025	7.61	28	40	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	68.4	66.3
APRIL'25	24-04-2025	71.3	68.2
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
APRIL'25	10-04-2025	44.1	42.2
APRIL'25	24-04-2025	43.5	42.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

Yogesh Pidurkar
Reviewed by

Amol Kamble
Authoriesed by

1. This report cannot be reproduced in part or full without written of the management.
2. Laborat activities are performed at the Laboratory permanent facility that is ground floor, Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

********** End of report **********

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068

MAY 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

TEST REPORT NO.	RIN/TR/MAY-25/28		DATE OF ISSUE	25.06.2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-05-25 TO 15-06-25

NEAR BANDEWADA INCLINE		WNRUA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	5	2	6	10	
08.05.2025	09.05.2025	293	213	47	17	14	CLEAR/LIGHT BREEZE
22.05.2025	23.05.2025	255	172	34	14	10	RAINY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

SAM OFFICE		WNRUA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	5	2	6	10	
08.05.2025	09.05.2025	268	186	42	14	10	CLEAR/LIGHT BREEZE
22.05.2025	23.05.2025	239	144	36	12	BDL	RAINY/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

PIT OFFICE		WNRUA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	5	2	6	10	
13.05.2025	14.05.2025	311	210	55	20	17	CLEAR/LIGHT BREEZE
27.05.2025	28.05.2025	281	197	49	17	15	CLEAR/LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

HUTMENT		WNRUA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	2	6	10	
07.05.2025	08.05.2025	74	26	9	BDL	CLOUDY/LIGHT BREEZE
21.05.2025	22.05.2025	83	30	11	BDL	CLOUDY/LIGHT BREEZE
NAAQS, 2009		**100**	**60**	**80**	**80**	

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-05-25 TO 15-06-25

MINE WATER DISCHARGE:	WNRUW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
13.05.2025	7.87	30	44	BDL
23.05.2025	8.06	24	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAY'25	10.05.2025	69.8	59.9
MAY'25	26.05.2025	59.9	58.6
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
MAY'25	10.05.2025	46.5	45.3
MAY'25	26.05.2025	45.6	44.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

Yogesh Pidurkar
Reviewed by

Amol Kamble
Authoriesed by

1. This report cannot be reproduced in part or full without written of the management.
2. Laboratc activities are performed at the Laboratory permanent facility that is ground floor, Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

********** End of report **********

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068

JUNE 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

TEST REPORT NO.	RIN/TR/JUNE-25/28		DATE OF ISSUE	7/25/2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR			
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)			
SAMPLE DESCRIPTION	AIR SAMPLE		SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:			16-06-25 TO 15-07-25

NEAR BANDEWADA INCLINE		WNRUA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	**PM_{10}**	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	5	2	6	10	
6/8/2025	6/9/2025	210	145	32	14	10	RAINY/LIGHT BREEZE
6/22/2025	6/23/2025	276	180	52	18	13	CLOUDY SKY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

SAM OFFICE		WNRUA2					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	**PM_{10}**	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	5	2	6	10	
6/8/2025	6/9/2025	198	114	30	11	BDL	RAINY/LIGHT BREEZE
6/22/2025	6/23/2025	232	144	42	13	BDL	CLOUDY SKY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

PIT OFFICE		WNRUA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	**PM_{10}**	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	5	2	6	10	
6/8/2025	6/9/2025	210	132	26	17	BDL	RAINY/LIGHT BREEZE
6/22/2025	6/23/2025	284	183	55	22	14	CLOUDY SKY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

HUTMENT		WNRUA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	2	6	10	
6/8/2025	6/9/2025	52	16	8	BDL	RAINY/LIGHT BREEZE
6/22/2025	6/23/2025	69	21	9	BDL	CLOUDY SKY / LIGHT BREEZE
NAAQS, 2009		**100**	**60**	**80**	**80**	

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-06-25 TO 15-07-25

MINE WATER DISCHARGE:	WNRUW1			
DATE OF SAMPLE COLLECTION	ANALYSIS RESULTS			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
6/9/2025	7.72	22	32	BDL
6/23/2025	8.10	28	52	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUNE'25	6/13/2025	68.1	66.5
JUNE'25	6/26/2025	68.4	66.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JUNE'25	6/13/2025	43.4	41.2
JUNE'25	6/26/2025	42.6	40.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

Yogesh Pidurkar
Reviewed by

Amol Kamble
Authoriesed by

1. This report cannot be reproduced in part or full without written of the management.
2. Laborat activities are performed at the Laboratory permanent facility that is ground floor, Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

********** End of report **********

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068

JULY 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

TEST REPORT NO.	RIN/TR/JULY-25/28	DATE OF ISSUE	25-08-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-07-25 TO 15-08-25

NEAR BANDEWADA INCLINE WNRUA1

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	5	2	6	10	
05-07-2025	06-07-2025	256	169	45	15	11	CLOUDY SKY / LIGHT BREEZE
19-07-2025	20-07-2025	238	154	39	14	BDL	CLOUDY SKY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

PIT OFFICE WNRUA3

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	5	2	6	10	
05-07-2025	06-07-2025	188	110	34	12	BDL	CLOUDY SKY / LIGHT BREEZE
19-07-2025	20-07-2025	246	134	43	11	BDL	CLOUDY SKY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

SAM OFFICE WNRUA2

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	2	6	10	
03-07-2025	04-07-2025	50	31	11	BDL	Rainy sky / Light breeze
04-07-2025	05-07-2025	54	22	8	BDL	Rainy sky / Light breeze
09-07-2025	10-07-2025	50	25	10	BDL	Rainy sky / Light breeze
10-07-2025	11-07-2025	56	26	9	BDL	Rainy sky / Light breeze
17-07-2025	18-07-2025	68	35	8	BDL	Cloudy sky / Calm
18-07-2025	19-07-2025	79	31	12	BDL	Cloudy sky / Calm
23-07-2025	24-07-2025	66	32	11	BDL	Cloudy sky / Calm
24-07-2025	25-07-2025	70	26	10	BDL	Cloudy sky / Calm
29-07-2025	30-07-2025	74	28	11	BDL	Cloudy sky / Calm
30-07-2025	31-07-2025	72	33	12	BDL	Cloudy sky / Calm
NAAQS, 2009		**100**	**60**	**80**	**80**	

HUTMENT WNRUA4

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	2	6	10	
03-07-2025	04-07-2025	46	18	8	BDL	Rainy sky / Light breeze
04-07-2025	05-07-2025	50	21	9	BDL	Rainy sky / Light breeze
09-07-2025	10-07-2025	48	30	8	BDL	Rainy sky / Light breeze
10-07-2025	11-07-2025	40	29	7	BDL	Rainy sky / Light breeze
17-07-2025	18-07-2025	67	26	8	BDL	Cloudy sky / Calm
18-07-2025	19-07-2025	70	24	11	BDL	Cloudy sky / Calm
23-07-2025	24-07-2025	65	30	9	BDL	Cloudy sky / Calm
24-07-2025	25-07-2025	71	24	8	BDL	Cloudy sky / Calm
29-07-2025	30-07-2025	67	21	7	BDL	Cloudy sky / Calm
30-07-2025	31-07-2025	55	21	9	BDL	Cloudy sky / Calm
NAAQS, 2009		**100**	**60**	**80**	**80**	

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

FUGITIVE DUST MONITORING

TEST REQUIRED	SPM: IS 5182 Part-4, PM-10: IS-5182 Part 23 & PM2.5: IS-5182 Part 24		
SAMPLE DESCRIPTION	Air sample(Fugitive)		
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-07-25 TO 15-08-25

WEIGH BRIDGE		WNUF1		
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)		ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	
FROM	TO	5	5	
26-07-2025	27-07-2025	390	257	CLEAR/LIGHT BREEZE

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	**Test Report**	TC-7102

SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-07-25 TO 15-08-25

MINE WATER DISCHARGE:	**WNRUW1**			
DATE OF SAMPLE COLLECTION	**ANALYSIS RESULTS**			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-07-2025	7.62	20	28	BDL
19-07-2025	7.87	26	44	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JULY'25	14-07-2025	67.1	65.4
JULY'25	28-07-2025	69.1	67.4
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
JULY'25	14-07-2025	43.4	41.2
JULY'25	28-07-2025	43.6	41.1
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

Yogesh Pidurkar
Reviewed by

Amol Kamble
Authoriesed by

1. This report cannot be reproduced in part or full without written of the management.
2. Laboratc activities are performed at the Laboratory permanent facility that is ground floor, Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

********** End of report **********

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068

AUGUST 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

TEST REPORT NO.	RIN/TR/AUG-25/28	DATE OF ISSUE	25-09-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-25 TO 15-09-25

NEAR BANDEWADA INCLINE		WNRUA1					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	5	2	6	10	
07-08-2025	08-08-2025	270	169	48	18	11	clear sky /light breeze
24-08-2025	25-08-2025	216	156	38	16	10	rainy /light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

PIT OFFICE		WNRUA3					
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	5	2	6	10	
07-08-2025	08-08-2025	276	176	53	22	15	clear sky /light breeze
24-08-2025	25-08-2025	243	146	36	14	10	rainy /light breeze
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

SAM OFFICE		WNRUA2				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	2	6	10	
05-08-2025	06-08-2025	87	37	10	BDL	clear sky / light breeze
06-08-2025	07-08-2025	69	32	8	BDL	clear sky / light breeze
12-08-2025	13-08-2025	92	40	12	BDL	clear sky / light breeze
13-08-2025	14-08-2025	75	36	7	BDL	clear sky / light breeze
21-08-2025	22-08-2025	66	32	6	BDL	rainy / light breeze
22-08-2025	23-08-2025	54	22	8	BDL	rainy / light breeze
28-08-2025	29-08-2025	60	28	6	BDL	rainy / light breeze
29-08-2025	30-08-2025	49	14	9	BDL	rainy / light breeze
NAAQS, 2009		**100**	**60**	**80**	**80**	

HUTMENT		WNRUA4				
DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	$PM_{2.5}$	NO_2	SO_2	
FROM	TO	5	2	6	10	
05-08-2025	06-08-2025	60	33	11	BDL	clear sky / light breeze
06-08-2025	07-08-2025	70	32	9	BDL	clear sky / light breeze
12-08-2025	13-08-2025	76	25	11	BDL	clear sky / light breeze
13-08-2025	14-08-2025	59	30	10	BDL	clear sky / light breeze
21-08-2025	22-08-2025	48	22	7	BDL	rainy / light breeze
22-08-2025	23-08-2025	66	24	7	BDL	rainy / light breeze
28-08-2025	29-08-2025	57	19	9	BDL	rainy / light breeze
29-08-2025	30-08-2025	59	18	8	BDL	rainy / light breeze
NAAQS, 2009		**100**	**60**	**80**	**80**	

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	**Test Report**	TC-7102

SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-08-25 TO 15-09-25

MINE WATER DISCHARGE:	**WNRUW1**			
DATE OF SAMPLE COLLECTION	**ANALYSIS RESULTS**			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
08-08-2025	7.76	22	40	BDL
25-08-2025	7.80	16	32	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'25	12-08-2025	68.2	66.7
AUG'25	29-08-2025	67.8	65.7
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
AUG'25	12-08-2025	42.6	40.3
AUG'25	29-08-2025	43.8	40.8
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

Yogesh Pidurkar
Reviewed by

Amol Kamble
Authoriesed by

1. This report cannot be reproduced in part or full without written of the management.
2. Laborat activities are performed at the Laboratory permanent facility that is ground floor, Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

********** End of report **********

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT

RAJUR UG

WANI NORTH AREA

WESTERN COALFIELDS LTD.

JOB NO. 4094423068

SEPTEMBER 2025

Environment Laboratory
NABL Accredited vide Cert. No. TC-7102
CMPDI
REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

TEST REPORT NO.	RIN/TR/SEPT-25/28	DATE OF ISSUE	25-10-2025
NAME OF CUSTOMER	GM(ENV.), WCL(HQ), NAGPUR		
TEST REQUIRED	SPM: IS 5182 (Part-4), PM-10: IS-5182 (Part 23), PM2.5: IS 5182 (Part 24), NO2: IS 5182 (Part-06), SO2:IS 5182 (Part-2)		
SAMPLE DESCRIPTION	AIR SAMPLE	SAMPLING PLAN :	LQR 47
SAMPLING METHOD : LSOP 4	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

NEAR BANDEWADA INCLINE WNRUA1

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	**PM_{10}**	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	5	2	6	10	
05-09-2025	06-09-2025	277	174	52	22	14	CLOUDY SKY /LIGHT BREEZE
19-09-2025	20-09-2025	255	168	42	18	12	CLOUDY SKY /LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

PIT OFFICE WNRUA3

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)					ENVIRONMENT CONDITIONS (Sky/Wind)
		SPM	**PM_{10}**	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	5	2	6	10	
05-09-2025	06-09-2025	185	112	32	11	BDL	RAINY / LIGHT BREEZE
19-09-2025	20-09-2025	206	122	39	13	BDL	RAINY / LIGHT BREEZE
STANDARDS FOR COAL MINE, GSR 742(E), dt. 25TH DECember 2000		**600**	**300**	**-**	**120**	**120**	

SAM OFFICE WNRUA2

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	52	18	7	BDL	rainy / light breeze
04-09-2025	05-09-2025	56	21	6	BDL	rainy / light breeze
10-09-2025	11-09-2025	42	18	7	BDL	rainy / light breeze
11-09-2025	12-09-2025	49	16	8	BDL	clear sky / light breeze
17-09-2025	18-09-2025	52	19	9	BDL	rainy / light breeze
18-09-2025	19-09-2025	48	20	8	BDL	rainy / light breeze
23-09-2025	24-09-2025	56	25	6	BDL	rainy / light breeze
24-09-2025	25-09-2025	52	24	9	BDL	rainy / light breeze
29-09-2025	30-09-2025	53	22	7	BDL	rainy / light breeze
30-09-2025	01-10-2025	54	17	8	BDL	clear sky / light breeze
NAAQS, 2009		**100**	**60**	**80**	**80**	

HUTMENT WNRUA4

DATE(dd:mm:yy) OF SAMPLING		PARAMETERS (24 hourly values in µg/m^3)				ENVIRONMENT CONDITIONS (Sky/Wind)
		PM_{10}	**$PM_{2.5}$**	**NO_2**	**SO_2**	
FROM	TO	5	2	6	10	
03-09-2025	04-09-2025	47	15	8	BDL	rainy / light breeze
04-09-2025	05-09-2025	50	22	9	BDL	rainy / light breeze
10-09-2025	11-09-2025	49	24	8	BDL	rainy / light breeze
11-09-2025	12-09-2025	52	23	6	BDL	clear sky / light breeze
17-09-2025	18-09-2025	56	16	8	BDL	rainy / light breeze
18-09-2025	19-09-2025	45	19	9	BDL	rainy / light breeze
23-09-2025	24-09-2025	47	22	7	BDL	rainy / light breeze
24-09-2025	25-09-2025	59	15	8	BDL	rainy / light breeze
29-09-2025	30-09-2025	53	21	9	BDL	rainy / light breeze
30-09-2025	01-10-2025	55	26	10	BDL	clear sky / light breeze
NAAQS, 2009		**100**	**60**	**80**	**80**	

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	**Test Report**	TC-7102

SAMPLE DESCRIPTION	Water sample			
Test Required	pH: IS 3025 -(Part 11), TSS: IS 3025-(Part 17), COD: APHA (24th Edition) 5220 C , O & G: IS 3025-(Part 39) & BOD: IS 3025 (Part 44)			
SAMPLING METHOD	LSOP 5	PERIOD OF PERFORMANCE OF LAB ACTIVITIES:		16-09-25 TO 15-10-25

MINE WATER DISCHARGE:	**WNRUW1**			
DATE OF SAMPLE COLLECTION	**ANALYSIS RESULTS**			
	pH	TSS (in mg/l)	COD(in mg/l)	O & G(in mg/l)
DETECTION LIMIT	2	10	4	2
05-09-2025	7.52	16	32	BDL
19-09-2025	7.69	18	36	BDL
STANDARDS FOR COAL MINE, GSR 742E, dt. 25/09/2000	5.5 - 9.0	100	250	10

Analysed by

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report	TC-7102

NOISE LEVEL MONITORING DATA

SAMPLE DESCRIPTION	NOISE SAMPLE
Test Required	CPCB PROTOCOL FOR AMBIENT NOISE MEASUREMENT
SAMPLING METHOD	LSOP 6

FAN HOUSE:		WNRUN1	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	68.9	66.1
SEPT'25	29-09-2025	68.1	66.5
NOISE POLLUTION (REGULATION AND CONTROL) RULES		75	70

COLONY RAJUR:		WNRUN2	
MONTH	DATE OF SAMPLE COLLECTION	NOISE LEVEL IN dB(A)	
		DAY TIME	NIGHT TIME
	DETECTION LIMIT	20	20
SEPT'25	11-09-2025	44.2	42.3
SEPT'25	29-09-2025	42.6	40.3
NOISE POLLUTION (REGULATION AND CONTROL) RULES		55	45

Yogesh Pidurkar
Reviewed by

Amol Kamble
Authoriesed by

1. This report cannot be reproduced in part or full without written of the management.
2. Laborato activities are performed at the Laboratory permanent facility that is ground floor, Environment Lab, CMPDI RI-IV, Nagpur.
3. This report refers to the values related to the items tested.

********** End of report **********

STRICTLY RESTRICTED
FOR COMPANY USE ONLY
The information given in this report is not to be communicated either directly or indirectly to the press or to any person not holding an official position in the CIL / Government

ENVIRONMENTAL MONITORING REPORT w.r.t. HEAVY METALS IN AMBIENT AIR

WANI NORTH AREA

WESTERN COALFIELDS LTD.

HALF YEARLY (APR 25 - SEPT 25)

Environment Laboratory

NABL Accredited vide Cert. No. TC-7102

CMPDI

REGIONAL INSTITUTE-IV, KASTURBA NAGAR,
JARIPATKA, NAGPUR, PIN – 440 014

AN ISO 9001:2015 COMPANY

Environment Laboratory CMPDI RI-IV, NAGPUR	Test Report Ambient Air Quality Monitoring Data For Heavy Metals	TC-7102

TEST REPORT NO.	RIN/TR/JUNE /HM89	DATE OF ISSUE	25-09-2025
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	Heavy metals (As, Pb, Ni, Cr & Cd) in air samples (ASTM D 4185)		
NAME OF AREA	WANI NORTH	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	RAJUR UG	SAMPLING PLAN : LQR 47	
No. of Pages	1		

Sl No.	Name of location	Location Code	Date of sampling
1	NEAR BHANDEWADA INCLINE	WNRUA-1	08-04-2025
2	SAM OFFICE	WNRUA-2	08-04-2025
3	PIT OFFICE /COLONY	WNRUA-3	13-04-2025
4	HUTMENT	WNRUA-4	07-04-2025

Sl. No.	Parameter	Method of analysis	Detection limit	Observed Value				National Ambient Air Quality Standard NAAQS, 2009
				WNRUA-1	WNRUA-2	WNRUA-3	WNRUA-4	
1	Arsenic, µg/m^3	ASTM D 4185	0.0007 µg/m^3	BDL	BDL	BDL	BDL	0.006 µg/m^3 (Annual average)
2	Lead, µg/m3	IS 5182 PART 22	7.0 µg/m^3	BDL	BDL	BDL	BDL	1.0 µg/m^3 (24 Hourly average)
3	Nickle, µg/m^3	ASTM D 4185	0.007 µg/m^3	BDL	BDL	BDL	BDL	0.02 µg/m3 (Annual average)
4	Total Chromium, µg/m^3	ASTM D 4185	0.0045 µg/m^3	BDL	BDL	BDL	BDL	**
5	Cadmium, µg/m^3	ASTM D 4185	0.0015 µg/m^3	BDL	BDL	BDL	BDL	**
6	Mercury, µg/m3	ASTM D 4185	0.0007 µg/m^3	BDL	BDL	BDL	BDL	**

BDL: BELOW DETECTION LIMIT

SCIENTIFIC ASSISTANT

AMOL KAMBLE
AUTHORIZED SIGNATORY

1 This Report refers to the values related to the items tested.
2 This Report cannot be reproduced in part or full without written permission of the management.
3 ** This parameter not regulated as per NAAQS

Environment Laboratory CMPDI RI-IV, NAGPUR	**Test Report** **Ambient Air Quality Monitoring Data For Heavy Metals**	TC-7102

TEST REPORT NO.	RIN/TR/JUNE /HM97	DATE OF ISSUE	25-09-2025
NAME OF CUSTOMER	GM(ENV.),WCL(HQ), NAGPUR	SAMPLE DESCRIPTION	AIR SAMPLE
CUSTOMER LETTER REFERENCE NO.	WCL/HQ/ENV/14-I/206-220 DATED: 25.03.2022		
TEST REQUIRED	Heavy metals (As, Pb, Ni, Cr & Cd) in air samples (ASTM D 4185)		
NAME OF AREA	WANI NORTH	SAMPLING METHOD : LSOP 4	
NAME OF PROJECT	RAJUR UG	SAMPLING PLAN : LQR 47	
No. of Pages	1		

Sl No.	Name of location	Location Code	Date of sampling
1	WEIGH BRIDGE	WNUF1	21-04-2025

Sl. No.	Parameter	Method of analysis	Detection limit	Observed Value	National Ambient Air Quality Standard NAAQS, 2009
				WNUF1	
1	Arsenic, µg/m^3	ASTM D 4185	0.0007 µg/m^3	BDL	0.006 µg/m^3 (Annual average)
2	Lead, µg/m3	IS 5182 PART 22	7.0 µg/m^3	BDL	1.0 µg/m^3 (24 Hourly average)
3	Nickle, µg/m^3	ASTM D 4185	0.007 µg/m^3	0.0083	0.02 µg/m3 (Annual average)
4	Total Chromium, µg/m^3	ASTM D 4185	0.0045 µg/m^3	BDL	**
5	Cadmium, µg/m^3	ASTM D 4185	0.0015 µg/m^3	BDL	**
6	Mercury, µg/m3	ASTM D 4185	0.0007 µg/m^3	BDL	**

BDL: BELOW DETECTION LIMIT

SCIENTIFIC ASSISTANT

AMOL KAMBLE
AUTHORIZED SIGNATORY

1 This Report refers to the values related to the items tested.
2 This Report cannot be reproduced in part or full without written permission of the management.
3 ** This parameter not regulated as per NAAQS

REPORT ON

MONITORING OF GROUND WATER LEVEL

OF

RAJUR UG MINE,

WANI NORTH AREA

WESTERN COALFIELDS LTD.

PERIOD- MAY 2025 (PRE MONSOON) & AUGUST 2025 (MONSOON)

M/s Anacon Laboratories Pvt. Ltd., Nagpur

MoEF&CC (GOI) Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob: +91-9372960077
Email: ***ngp@anacon.in***
Website: ***www.anaconlaboratories.com***

Report No. ANqr /PD/20A/2023/199

2025-26

Certificate

Groundwater level monitoring has been conducted with due diligence, and a comprehensive report on the monitoring of groundwater levels in all observation wells has been prepared as per the scope of work outlined in work order no. वेकोलि/मुख्यालय/पर्यावरण/14-L/1122-1148, dated 19.04.2025 for the Aug 2025 (Monsoon) Period.

The report includes the monitoring of groundwater levels and water quality analysis of observation wells pertaining to the RAJUR UG MINE, Wani North area of Yeotmal District, M.S.

The groundwater level monitoring was meticulously carried out by Anacon Laboratories Pvt. Ltd., and the analysis of the samples was performed by Anacon Laboratories Pvt. Ltd., a NABL Accredited Laboratory. (NABL Certificate no. TC-12998)

Anacon Laboratories Pvt. Ltd. gratefully acknowledges the full cooperation rendered by the concerned WCL officials, which facilitated the timely completion of the project.

Gyanchand Bohra
NABET Accredited EIA Expert
for Hydrogeology & Geology

Krupali Raut
(Geologist)

Nagpur
Aug -2025

ANACON LABORATORIES PVT. LTD. NAGPUR

(Dr. D. G. Garway)
Head of Organization
Anacon Laboratories Pvt. Ltd., Nagpur

CONTENTS			
TABLE/FIGURE	**NAME OF SUB MINE PROJECT**	**GROUND WATER MONITORING DETAILS OF WELL**	**Page No.**
I-FIGURE	RAJUR UG MINE,	GROUND WATER MONITORING STATION (OBSERVATION WELLS IN AND AROUND OF RAJUR UG MINE,	7
I-TABLE	RAJUR UG MINE,	**PERIOD- MAY 2025 (PRE MONSOON)**	8
PHOTOGRAPHS	RAJUR UG MINE,	**PHOTOGRAPHS**	

ANACON LABORATORIES PVT. LTD. NAGPUR

INTRODUCTION

Western Coalfields Limited (WCL) is one of the eight Subsidiary Companies (CIL) which is under administrative control of Ministry of Coal. The Company incorporated under the Companies Act, 1956 has its registered office at Coal Estate, Civil Lines, Nagpur–440001. WCL has been conferred "Mini-ratna" status on 15 March 2008. It has mining operation spread over the states of Maharashtra (in Nagpur, Chandrapur & Yeotmal Districts) and Madhya Pradesh (in Betul and Chhindwara Districts). It has been divided into 10 administrative areas. The Company is a major source of supplies of coal to the industries located in Western India in the States of Maharashtra, Madhya Pradesh, Gujarat and also in Southern India in the States of Andhra Pradesh, Tamil Nadu, Karnataka and Kerala. A large numbers of Power Houses under Maharashtra, Madhya Pradesh, Gujarat, Karnataka, Punjab and Uttar Pradesh - Electricity Boards are major consumers of its coal along with cement, steel, chemical, fertilizer, paper and brick Industries in these states.

M/s Anacon Laboratories Pvt. Ltd. has been awarded the Work of "Groundwater level Monitoring (i.e. bore well / piezometer Water levels) and Water quality analysis (as per IS10500) for 76 projects / mines of WCL (situated in the state of Madhya Pradesh – Chhindwara & Betul districts and Maharashtra – Nagpur, Chandrapur & Yeotmal districts) for one year as per condition stipulated in Environmental Clearance letters issued by MoEF & CC & NOC issued by CGWA" vide work order वेकोलि/मुख्यालय/पर्यावरण/14-L/1122-1148, dated 19.04.2025 for the Aug 2025 (Monsoon) Period.

This Ground Water Level Monitoring report is prepared RAJUR UG MINE,,of Wani North area of WCL for 2 seasons i.e **PERIOD-MAY 2025(PRE MONSOON) & AUG 2025(MONSOON).**These mines are located in Wani North Area of Yeotmal District, Maharashtra.

GENERAL HYDROGEOLOGICAL CONDITION

Deccan Trap Basalt is the predominant water bearing formation, followed by Gondwana formation having Sandstone and Shale sequence. Penganga and Quaternary Alluvium aquifers are spread in limited areas. Archean aquifers are limited and have less significance in the area.

ARCHEAN

Achaeans, which comprise granites, granitic gneisses and schists, occur in Umarkhed taluka. These rocks as such have limited ground water potential. In these rocks only weathered portions and jointed zones possess water-bearing capacity and ground water occurs under unconfined condition in the area.

VINDHYAN

In Vindhyans, Limestones are water bearing formation while Sandstone, due to their hard and compact nature, have poor ground water potential and occur in southeastern peripheral parts of Wani taluka. The Limestones as such are massive but wherever they are cavernous they are capable of holding water. The ground water occurs under unconfined condition in the area.

GONDWANA

The Gondwana consists of Kamthi and Barakar Sandstone and Shale and occupy north-south extending elongated stretch in parts of Maregaon and Wani talukas. Sandstone is usually friable and possesses primary porosity due to its granular nature. They are most productive water bearing formations in the district. The ground water occurs under semi confined to confined conditions in the area and water bearing zones have been encountered down to depth of 470 m.

DECCAN TRAP BASALT

Deccan Trap Basalt is widely spread and forms important water bearing formation, which occupies almost entire district except south eastern part. On the whole, Deccan Trap Basalt exhibits a multi aquifer system. Based on the Litholog of 51 exploratory wells and Piezometers, it is observed that weathered Vesicular Basalt mainly forms the predominant shallow aquifer down to the depth of 20 m bgl. Massive Basalt is also encountered at the top thereby forming poor yielding aquifer and also restricting the ground water recharge to the underlying porous Vesicular Basalt. Fractured Basalt is also observed in certain places with limited to significant thickness. In Deccan Trap Basalt phreatic aquifer generally occurs down to 25 m, however, fracture zones have occurred within 80 m range except at few places where it occurs down to 158 m also.

ALLUVIUM

Alluvium occurs in patches along the banks of Wardha and Penganga rivers and their major tributaries and consists of clay and silt with lenticular bodies of sand and gravel. In Ralegaon area, it is observed that sand zones are found in the depth range of 20-25 m bgl, while the top 15-16 m is full of clay and silt. Ground water in Alluvium occurs both under unconfined and 8 semi-confined conditions.

ANACON LABORATORIES PVT. LTD. NAGPUR

RAJUR UG MINE,

WANI NORTH AREA

WESTERN COALFIELDS LTD.

PERIOD- MAY 2025 (PRE MONSOON) & AUG 2025 (MONSOON)

ANACON LABORATORIES PVT. LTD. NAGPUR

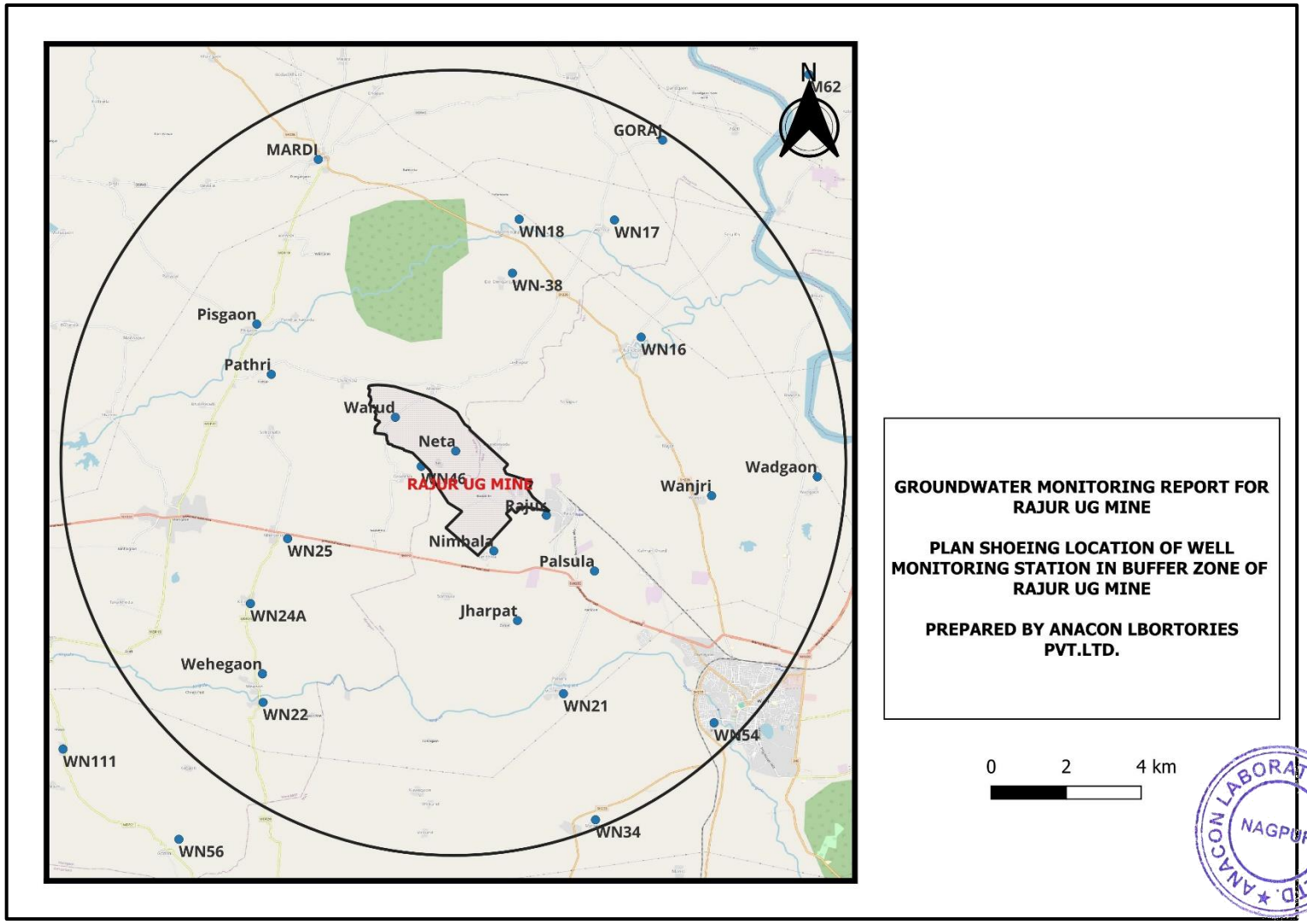


FIGURE-VI: GROUND WATER MONITORING STATION (OBSERVATION WELLS IN AND AROUND OF OC RAJUR UG MINE)

Table-VI-A: Groundwater level monitoring data of dugwells in buffer zone of Rajur UG, Wani North Area, WCL

Sr. No	Well No.	Name of village	Well location	Latitude	Longitude	R.L. in m	Well dia (m)	Well depth (m bmp)	Height of measuring point (m agl)	Depth to Water Level (m)		Utility / Owner
										May-25	Aug-25	bgl)
1	WN23	Wehegaon	Back side of Vittal Mandir	20°3'51.5967154742725"	78°49'44.0181968167315"	197	4.57	6.62	0.6	5.60	2.50	D/I
2	WN34	Mohorli	Near Hanuman temple and 60m E of Wani Rd.	20°1'37.7528239480725"	78°54'49.4794349217079"	199	2.68	6.69	0.42	5.50	2.60	D/I
3	WN57a	Anantpur	About 70 m N of village, adjacent to nala	20°3'51.5967154742725"	78°49'44.0181968167315"	195	3.17	5.37	0.42	4.60	2.00	D/I
4	WN2	Wadgaon	About 400 m S of village, adjacent to nalla	20°6'52.3287444895587"	78°58'12.9702792106241"	224	4.75	7.01	0.85	4.30	1.80	D/I
5	WN54	Ganeshpur	TW near the road junction of Wegaon & Ghonsa	20°3'6.59191990747701"	78°56'38.1777867760342"	214	1.58	7.04	GL	4.90	1.40	D/I
6	WN1	Wanjri	C of village in southern sector, about 60 m E of main road	20°6'34.8984334314579"	78°56'35.9709229812744"	210	2.74	7.16	0.88	6.40	2.90	D/I
7	WN16	Nandepera	Near Hanuman Temple and GP office	20°9'0.28430238283903"	78°55'31.3168384091342"	220	4.23	8.05	0.7	7.10	2.40	D/I
8	WN17	Wanoja	60m E of road entering in villageand N of Nallah	20°10'47.7104582490867"	78°55'6.83464405743179"	225	4.6	9.3	0.4	7.30	1.60	D/I
9	WN18	Machhindra	In front of GP office.	20°10'48.4143616868323"	78°53'39.4049451870286"	214	2.71	10.18	0.76	6.50	2.00	D/I
10	WN21	Murdoni	At southern end of village near Dahegaon road near Hanuman temple	20°3'33.3794273210586"	78°54'20.1477970797247"	223	3.96	11.65	0.54	7.20	3.10	D/I
11	WN22	Wehegaon	South of village on Wani road	20°3'25.4365414407118"	78°49'44.4931280117749"	212	3.38	8.39	0.36	7.30	2.90	D/I
12	WN24A	Kolgaon	Near OHT tank	20°4'56"	78°49'33"	198	6.09	3.21	0.51	3.00	1.80	D/I
13	WN25	Mangrul	On S of village and E OF Road (well of YJ Dakhar)	20°5'55.5217955531901"	78°50'7.035800462006"	192	7.16	7.19	0.18	6.00	1.60	D/I
14	WN28	Palsula	15m N of Wani Yavatmal Rd near Soyabin Gowdown	20°5'25.8443915272409"	78°54'48.5673870674054"	195	5	13.5	0.3	6.30	2.70	D/I
15	WN35	Rajur	Near Sailani Baba Durgah and on 100m E of Wani Rajur Rd.	20°6'16.9062314214401"	78°54'4.38086709162682"	224	4.87	9.12	0.6	4.90	3.10	D/I
16	WN-38	DON.DONGARGAON.	At the entrance of village	20°9'58.9875349656637"	78°53'33.2342079887793"	213	3.96	9.57	0.54	6.40	2.80	D/I
17	WN40	Pathri	At the entrance of village on Maregaon	20°8'26.156323	78°49'52.10407	195	4.48	8.66	1.06	5.10	2.60	D/I

Sr. No	Well No.	Name of village	Well location	Latitude	Longitude	R.L. in m	Well dia (m)	Well depth (m bmp)	Height of measuring point (m agl)	Depth to Water Level (m)		Utility / Owner
										May-25	Aug-25	bgl)
			Chinchala road	9584603"	61401742"							
18	WN41	Pisgaon	By the side of Maregaon-Mardi Rd	20°9'12.2164309104178"	78°49'38.7910716104819"	196	4.45	8.17	1.31	5.70	1.90	D/I
19	WN45	Warud	NEAR Hanuman Temple	20°7'46.8483947443588"	78°51'45.8676822046551"	198	4.72	7.28	0.76	6.70	2.40	D/I
20	WN46	Gawrala	On N of village near GP Office	20°7'1.83398698180071"	78°52'9.57144742213689"	202	2.59	8.81	0.51	5.00	2.00	D/I
21	WN47	Neta	In the centre of village	20°7'15.8793128378633"	78°52'41.2191819836652"	221	1.52	10.3	0.73	6.20	2.50	D/I
22	WN48	Jharpat	N side of road to village and about1km S of Reliance Pump	20°4'40.4496835126025"	78°53'37.8510403275994"	222	3.53	8.4	GL	7.40	2.70	D/I
23	WN55	Nimbala	At the entrance of village	20°5'44.2108251503939"	78°53'16.1445487261927"	204	3.74	9.29	0.18	6.70	2.40	D/I
24	WN95	GORAJ	200m W of road to village in field	20°12'1"	78°55'51"	210	4.5	7.8	0.2	5.40	2.50	D/I
25	WN109	MARDI	OUTSIDE THE VILLAGE IN THE FIELD OF AGRICULTURE LAND	20°11'43.33"	78°50'35.18"	195	5.2	12.4	0.3	7.70	3.40	D/I

ANACON LABORATORIES PVT. LTD. NAGPUR

WN2-Wadgaon

WN18-Machhindra

WN1-Wanjri

WN16 -Nandepera

WN17-Wanoja

WN22-Wehegaon

WN23-Wehegaon

WN21-Murdoni

WN24A-Kolgaon

WN28-Palsula

WN25- Mangrul

WN34-Mohorli

WN40-Pathri

WN35-Rajur

WN41- Pisgaon

WN38-DON.DONGARGAON.

WN45-Warud

WN46-Gawrala

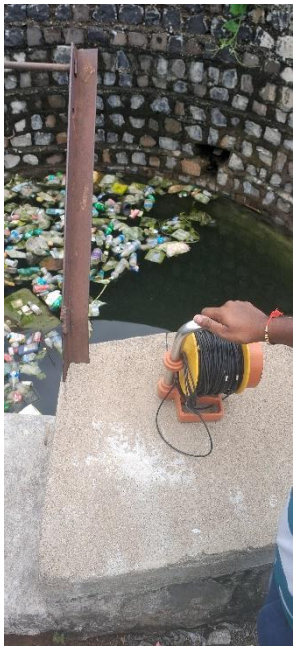
WN47-Neta

WN54-Ganeshpur

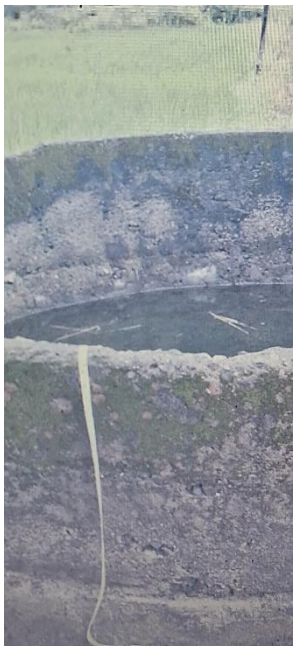
WN95-GORAJ

WN55-Nimbala

WN48-Jharpat



WN109-MARDI



WN-57A-Anantpur

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003090F
Test Report No.: ALPL/10062025/03-40 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-40 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 01.05.2025 **Sampling Time** Not Mentioned	Wehegaon (Well No.- WN23)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	**238.82**
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	187.24
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	**134.4**
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.50
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	**42.82**
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	10.53
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.24
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	3.41
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**972**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**508**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003090F
Test Report No.: ALPL/10062025/03-40 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-40 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 01.05.2025 **Sampling Time** Not Mentioned	Wehegaon (Well No.- WN23)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.20
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No.1,4,7,12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003064F
Test Report No.: ALPL/10062025/03-14 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-14 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	WANJARI (Well No.- WN1)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	180.57
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	137.97
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	56.8
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.43
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	24.3
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	8.03
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.84
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	45.97
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**536**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**242**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003064F
Test Report No.: ALPL/10062025/03-14

Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-14 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	WANJARI (Well No.- WN1)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	BLQ(LOQ-0.02)
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------**END OF REPORT**----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003073F

Test Report No.: ALPL/10062025/03-23 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-23 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 03.05.2025 **Sampling Time** Not Mentioned	Wadgaon (Well No.- WN2)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	186.4
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	128.11
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	68
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.49
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	28.67
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	9.97
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.61
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	25.26
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**653**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**288**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003073F
Test Report No.: ALPL/10062025/03-23 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-23 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 03.05.2025 **Sampling Time** Not Mentioned	Wadgaon (Well No.- WN2)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.27
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification. ● LOQ= limit of quantification. ● Environmental condition – Satisfactory & Clear ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003065F
Test Report No.: ALPL/10062025/03-15 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-15 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Nandepera (Well No.- WN16)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	186.4
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	152.75
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	68.8
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.43
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	28.18
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	11.60
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.69
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	46.73
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**639**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**288**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003065F
Test Report No.: ALPL/10062025/03-15 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-15 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Nandepera (Well No.- WN16)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.17
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ANACON ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003066F
Test Report No.: ALPL/10062025/03-16 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-16 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Wanoja (Well No.- WN17)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	174.75
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	142.39
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	54.4
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.35
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	24.78
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	5.10
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.76
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	19.94
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**552**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**238**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003066F
Test Report No.: ALPL/10062025/03-16 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-16 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Wanoja (Well No.- WN17)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.34
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003067F
Test Report No.: ALPL/10062025/03-17 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-17 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Machhindra (Well No.- WN18)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	192.22
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	128.11
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	60.8
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.48
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	27.70
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	8.53
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.84
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	16.24
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**577**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**266**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003067F
Test Report No.: ALPL/10062025/03-17 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-17 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description Ground Water	**Sample Details As Provided By Client** Ground Water (Wani North Area)	**Purpose of analysis** Drinking	**Quantity Received** 1 Ltr
Sampling By Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	**Sampling Location** Machhindra (Well No.- WN18)	

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.11
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003068F
Test Report No.: ALPL/10062025/03-18 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-18 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Murdoni (Well No.- WN21)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	168.92
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	133.04
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	63.2
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.42
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	23.32
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	6.58
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.55
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	15.57
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**531**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**254**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003068F

Test Report No.: ALPL/10062025/03-18 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-18 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Murdoni (Well No.- WN21)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.21
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwa
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003057F
Test Report No.: ALPL/10062025/03-7 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-7 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Wehegaon (Well No.- WN22)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	192.22
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	137.97
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	63.2
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.32
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	28.18
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	7.26
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.63
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	16.90
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**573**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**274**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003057F
Test Report No.: ALPL/10062025/03-7 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-7 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Wehegaon (Well No.- WN22)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.35
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------**END OF REPORT**----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ANACON ORIGINAL COPY

Anacon Laboratories

ANACON

TC-12998

Test Report

ULR No.- TC129982500003058F

Test Report No.: ALPL/10062025/03-8 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-8 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Kolgaon (Well No.- WN24A)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	168.92
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	81.7
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	59.2
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	BLQ(LOQ-0.1)
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	27.70
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	6.43
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.29
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	39.23
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	443
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**262**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganjay
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003058F

Test Report No.: ALPL/10062025/03-8 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-8 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Kolgaon (Well No.- WN24A)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	BLQ(LOQ-0.02)
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No.14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwaj
Deputy Quality Manager

----------**END OF REPORT**----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ANACON ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003059F
Test Report No.: ALPL/10062025/03-9 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-9 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Mangrul (Well No.- WN25)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	186.4
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	123.18
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	54.4
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.27
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	24.79
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	8.10
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.14
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	10.25
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**519**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**238**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003059F
Test Report No.: ALPL/10062025/03-9 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-9 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Mangrul (Well No.- WN25)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	BLQ(LOQ-0.02)
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By
Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory
Chinmay Garwa
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003060F
Test Report No.: ALPL/10062025/03-10 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-10 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Palsula (Well No.- WN28)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	157.27
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	113.33
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	60
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.21
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	23.81
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	7.04
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.31
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	15.57
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	437
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**248**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003060F
Test Report No.: ALPL/10062025/03-10 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-10 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	**Sampling Location** Palsula (Well No.- WN28)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.20
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No.14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ANACON ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003091F
Test Report No.: ALPL/10062025/03-41 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-41 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 01.05.2025 **Sampling Time** Not Mentioned	Mohorli (Well No.- WN34)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	122.32
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	170.49
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	**85.6**
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.24
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	**49.57**
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	3.06
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	8.04
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	2.15
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**828**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**418**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Shenal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwa
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003091F
Test Report No.: ALPL/10062025/03-41 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-41 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 01.05.2025 **Sampling Time** Not Mentioned	Mohorli (Well No.- WN34)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	BLQ(LOQ-0.02)
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 4,7,12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganvay
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003061F
Test Report No.: ALPL/10062025/03-11 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-11 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Rajur (Well No.- WN35)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	139.8
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	123.18
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	54.4
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	BLQ(LOQ-
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	23.32
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	6.00
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.24
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	20.51
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	488
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**232**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003061F
Test Report No.: ALPL/10062025/03-11 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-11 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Rajur (Well No.- WN35)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.26
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003062F
Test Report No.: ALPL/10062025/03-12 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-12 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	DON. DONGARGAON (Well No.- WN38)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	168.92
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	147.82
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	56.8
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.37
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	25.27
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	6.21
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.58
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	27.26
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**583**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**246**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003062F
Test Report No.: ALPL/10062025/03-12 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-12 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	DON. DONGARGAON (Well No.- WN38)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.17
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC12998250000106F
Test Report No.: ALPL/10062025/03-56 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-56 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Pathri (Well No.- WN40)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	180.57
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	110.24
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	56.8
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	BLQ(LOQ-0.1)
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	28.18
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	7.16
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	8.26
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	22.98
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	412
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**282**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003106F
Test Report No.: ALPL/10062025/03056 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-56 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	**Sampling Location** Pathri (Well No.- WN40)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	BLQ(LQ-0.02)
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ANACON ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC12998250000107F

Test Report No.: ALPL/10062025/03-57 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-57 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Pisgaon (Well No.- WN41)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	133.97
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	123.35
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	67.2
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	BLQ(LOQ-0.1)
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	27.70
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	5.75
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.16
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	25.36
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**584**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**282**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003107F
Test Report No.: ALPL/10062025/03057 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-57 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Pisgaon (Well No.- WN41)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.13
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification. ● LOQ= limit of quantification. ● Environmental condition – Satisfactory & Clear ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC12998250000108F
Test Report No.: ALPL/10062025/03-58 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-58 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Warud (Well No.- WN45)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	157.27
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	131.61
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	**93.6**
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	BLQ(LOQ-0.1)
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	18.95
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	7.27
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.24
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	27.16
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**668**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**312**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003108F
Test Report No.: ALPL/10062025/03058 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-58 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	**Sampling Location** Warud (Well No.- WN45)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.12
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 4.12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC12998250000109F
Test Report No.: ALPL/10062025/03-59 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-59 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Gawarla (Well No.- WN46)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	145.62
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	81.1
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	69.6
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	BLQ(LOQ-0.1)
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	**40.82**
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	5.16
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	6.87
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	30.58
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**618**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**342**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003109F
Test Report No.: ALPL/10062025/03059

Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-59 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Gawarla (Well No.- WN46)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.19
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No.4,12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwa
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003110F
Test Report No.: ALPL/10062025/03-60 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-60 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Neta (Well No.- WN47)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	16.31
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	105.87
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	**83.2**
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	BLQ(LOQ-0.1)
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	25.75
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	8.50
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.24
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	28.97
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**594**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**314**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003110F
Test Report No.: ALPL/10062025/03060 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-60 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Neta (Well No.- WN47)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	BLQ(LQ-0.02)
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No.4,12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC12998250000111F
Test Report No.: ALPL/10062025/03-61 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-61 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Jharpat (Well No.- WN48)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	186.4
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	96.64
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	54.4
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	BLQ(LOQ-0.1)
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	24.3
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	8.65
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	8.14
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	24.41
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	410
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	236
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003111F
Test Report No.: ALPL/10062025/03061 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-61 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Jharpat (Well No.- WN48)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.04
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is complying with IS 10500 (2012).**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003062F
Test Report No.: ALPL/10062025/03-13 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-13 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Ganeshpur (Well No.- WN54)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	168.92
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	103.47
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	59.2
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.33
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	28.67
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	6.05
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.63
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	44.07
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**581**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**266**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. ~~Technical Assistant~~

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003063F
Test Report No.: ALPL/10062025/03-13 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-13 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 04.05.2025 **Sampling Time** Not Mentioned	Ganeshpur (Well No.- WN54)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.17
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------**END OF REPORT**----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003054F
Test Report No.: ALPL/10062025/03-4 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-4 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	**Sampling Location** Nimbala (Well No.- WN55)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	157.27
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	128.11
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	52.8
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.29
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	24.7
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	5.22
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.39
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	16.24
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**513**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**234**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003054F
Test Report No.: ALPL/10062025/03-4 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-4 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Nimbala (Well No.- WN55)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.16
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ANACON ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003081F
Test Report No.: ALPL/10062025/03-31 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-31 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 01.05.2025 **Sampling Time** Not Mentioned	Anantpur (Well No.- WN57a)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	186.4
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	172.95
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	**82.4**
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.20
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	**38.39**
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	7.09
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.67
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	12.06
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**694**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**364**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003081F
Test Report No.: ALPL/10062025/03-31 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-31 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 01.05.2025 **Sampling Time** Not Mentioned	Anantpur (Well No.- WN57a)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.10
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification. ● LOQ= limit of quantification. ● Environmental condition – Satisfactory & Clear ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No.4,7, 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003055F
Test Report No.: ALPL/10062025/03-5 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-5 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Goraj (Well No.- WN95)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	168
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	162.60
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	64
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.44
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	28.67
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	8.59
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.57
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	26.02
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**597**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**278**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003055F
Test Report No.: ALPL/10062025/03-5 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-5 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 05.05.2025 **Sampling Time** Not Mentioned	Goraj (Well No.- WN95)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.17
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No. 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003095F
Test Report No.: ALPL/10062025/03-45 Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-45 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 06.05.2025 **Sampling Time** Not Mentioned	MARDI (Well No.- WN109)

Tests Required: Total Alkalinity(as Calcium carbonate), Colour, Chloride (as Cl), Calcium (as Ca), Free Residual Chlorine, Fluoride (as F), Magnesium (as Mg), Nitrate (as NO3), Odour, pH, Sulphate (as SO4), Total dissolved solids, Turbidity, Total hardness (as CaCO3), Phenolic compounds, Arsenic (as As), Aluminium (as Al), Boron (as B), Copper (as Cu), Cadmium (as Cd).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline – Chemical**		**Group- Water**			
1	Total Alkalinity(as Calcium carbonate)	mg/l	IS 3025 (Part 23)	200	600	133.97
2	Colour	Hazen	IS 3025 (Part 4) : clause 4	5	15	BLQ(LOQ-1)
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :clause 2	250	1000	145.36
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : clause 5	75	200	**128.8**
5	Free Residual Chlorine	mg/l	IS 3025 (Part 26) : clause 7	0.2	1	BLQ(LOQ-0.1)
6	Fluoride (as F)	mg/l	IS 3025 (Part 60/sec1) : clause 6	1.0	1.5	0.21
7	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : clause 6	30	100	20.89
8	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) :clause 6.4	45	No relaxation	12.05
9	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
10	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	8.27
11	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/Sec 1) : clause 5	200	400	20.32
12	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**737**
13	Turbidity	NTU	IS 3025 (Part 10)	1	5	0.1
14	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) clause 5	200	600	**408**
15	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec1) : clause 6	0.001	0.002	BLQ(LOQ-0.001)
II	**Discipline – Chemical**		**Group- Residues in Water**			
16	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
17	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ(LOQ-0.02)
18	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ(LOQ-0.02)
19	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
20	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)

● Please refer last Page for Note and remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500003095F
Test Report No.: ALPL/10062025/03045

Dated 10.06.2025

Issued To : **M/s Western Coalfields Limited (WCL)** Futala Road, Coal Estate, Civil Lines, Nagpur, WCL HQ (M.S), 440001	**Sample Inward No.** ALPL/21052025/W-1/61-45 **Inward Date** 21.05.2025 **Reference** WCL/HQ/ENV/14-L/ 1122-1148 dt19 Apr 2025 **Inv. No.** 4	**Analysis Start** 21.05.2025 **Analysis End** 28.05.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground Water	Ground Water (Wani North Area)	Drinking	1 Ltr

Sampling By		**Sampling Location**
Anacon Representative - Mr.Kartik Shrivas Sampling Method- ANtd/7.2/MON-01	**Sampling Date** 06.05.2025 **Sampling Time** Not Mentioned	MARDI (Well No.- WN109)

Tests Required: Iron (as Fe), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Selenium (as Se), Total Chromium (as Cr), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Ground Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Discipline – Chemical**		**Group- Residues in Water**			
21	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.35
22	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
23	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
24	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
25	Selenium (as Se)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
26	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Environmental condition – Satisfactory & Clear** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS : As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500(2012) requirements for the tests Sr. No.4, 12 & 14**

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35,Food Park, Five Star Industrial Estate, MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number	Submitted Date
MPCB-ENVIRONMENT_STATEMENT-0000088094	30-09-2025

PART A

Company Information

Company Name	Application UAN number
M/s Western Coalfields Limited, Rajur Underground Coal Mine	-

Address

Office of the Sub Area Manager, Rajur Sub Area, Po.- Rajur, Tal.- Wani, Distt. - Yavatmal, Maharashtra

Plot no	Taluka	Village
168	Wani	Rajur
Capital Investment (In lakhs)	**Scale**	**City**
4716.45	L.S.I.	WANI
Pincode	**Person Name**	**Designation**
445304	Syed Nazimuddin	Sub Area Manager, Ghonsa Sub Area
Telephone Number	**Fax Number**	**Email**
9112330975	07239241357	rajursubareawcl@gmail.com
Region	**Industry Category**	**Industry Type**
SRO-Chandrapur	Red	R35 Mining and ore beneficiation
Last Environmental statement submitted online	**Consent Number**	**Consent Issue Date**
yes	Format1.0/APAE Section/UAN No.MPCB-CONSENT-0000235268/CR/2508000492	2025-08-06
Consent Valid Upto	**Establishment Year**	**Date of last environment statement submitted**
2027-04-30	1973	Sep 28 2024 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
coal	0.21	0.04467	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
-	0	0	Ton/Y

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	0.00	0.00
Cooling	15309.00	100.00
Domestic	1053.00	353.00
All others	0.00	0.00
Total	16362.00	453.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Trade Effluent (Mine Discharge)	13956	13956	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Coal (Cubic Meter per day/Tonnes)	2.976	3.70	

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Explosives (Kg/Tonnes)	0.414	0.4925	Kg/Annum

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
High Speed diesel (Litre)	0	10	KL/A

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
-	0	0	-	-	-

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
-	0	0	-	-	-

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Ton/Y

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Ton/Y

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-	0	0	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-	0	0	Ton/Y

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Ton/Y

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
0	0	Ton/Y	-

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
-	0	Ton/Y	-

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Impact of the pollution control measures taken	0	0	9000	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
-	-	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Miscellaneous Environment Protection activities	-	10

Part-I

Any other particulars for improving the quality of the environment.

Particulars

-

Name & Designation

Syed Nazimuddin, Sub Area Manager, Ghonsa Sub Area

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000088094

Submitted On:

30-09-2025