Ambuja Cement

Ref: ACL/BYT/ENV/2022-23/21 **Date: 16.05.2022**

To,
Regional Officer,
Integrated Regional office,
Ministry of Environment, Forest & Climate Change,
Aranya Bhawan, North Block,
Sector-19, Naya Raipur, Atal Nagar,
Chhattisgarh 492002.

Sub: Submission of Half Yearly Environment Clearance Compliance Report along with Environmental Monitoring Report for the period **October 2021 to March 2022** for Maldi-Mopar Limestone Mines.

Ref: EC letter no. J-11015/252/2008-IA II (M) dated 13th August 2010.

Dear Sir,

Please find the enclosed herewith the six-monthly Environment Clearance compliance report along with Monthly Environmental Monitoring report from **October 2021 to March 2022,** for Maldi-Mopar Limestone Mines Located at Maldi, Mopar, Devrani, Karmadih and Boirdih Village, Balodabazar Tehsil, Balodabazar Dist. Chhattisgarh.

This is for your kind information and record.

Thanking you.

Yours Sincerely,
For Ambuja Cements Limited
(Unit: Bhatapara)

(A. V. N .V .S. Murthy)
Unit Head

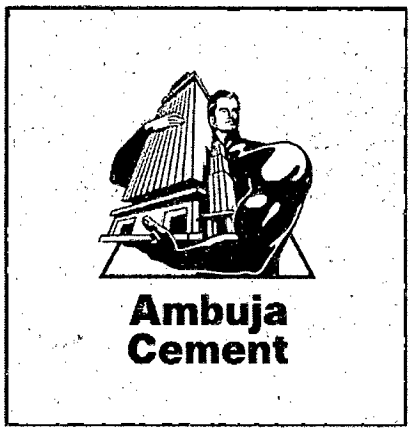
Encl.: Six Monthly Environment Clearance compliance report along with Environment Monitoring report.

Copy to:
1. Central Pollution Control Board, Zonal Office, Sahkar Bhawan, North T.T. Nagar, Bhopal -462003.
2. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block Sector-19, Atal Nagar (C.G.) 490099.
3. The Regional Officer, CECB, Kabir Nagar Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.)

AMBUJA CEMENTS LIMITED
(Unit - Bhatapara)
P.O. - Rawan, Tehsil : Balodabazar, District. : Balodabazar-Bhatapara, Chhatisgarh-493 331
Ph : 07727-220010 to 15, Fax : 07727-220004
CIN : L2694GJ1981PLC004717, **Website** : www.ambujacement.com
Registered Office : P.O. - Ambuja Nagar, Taluka - Kodinar, District - Gir Somnath, Gujrat, 362 715

Environment Clearance Half Yearly Compliance Report
(October 2021 – March 2022)
Of
Maldi Mopar Limestone Mine
(Capacity: 2.0 MTPA, Total Lease area: 553.656 ha.)

Located at
Maldi Mopar , Devrani , Karmadih and Boirdih Villages,
P.O. Rawan, Tehsil-Baloda Bazar,
District-Baloda Bazar- Bhatapara, Chhattisgarh



M/s AMBUJA CEMENTS LTD.
(Unit: Bhatapara)
P.O.: Rawan, Dist.: Baloda Bazar - Bhatapara
Chhattisgarh - 493331, India

SL. NO.	EC CONDITIONS	COMPLIANACE STATUS
i.	The environmental clearance is subject to approval of the State land use Department or concerned Authority in the State, Government of Chhattisgarh for diversion of agricultural land for non-agricultural use.	Govt. Land Diversion Notification and Working permission from Distt. Collector in the Purchased Private land obtained and is attached as **Annexure- 1** & **Annexure- 1a**
ii.	The project proponent shall obtain prior Consent to Establish and Consent to Operate from the Chhattisgarh Environment Conservation Board and effectively implement all the conditions stipulated therein.	CTE Has been Obtained from CECB Raipur vide Letter No 3056/TS/CECB/ 2012 Raipur Dated 06.09.2012 and CTO Vide letter No 7966 TS/CECB/2020, Nava Raipur, Atal Nagar, dated 09.12.2020 valid up to 31.12.2023 for Mining of Limestone in 553.656 Ha with Production capacity of 2 MTPA.
iii.	The top soil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The top soil shall be used for land reclamation plantation and green belt development.	Top soil generated is being temporarily stored along the lease boundary, Crusher ramp and haul road to develop greenbelt, photograph of the same is being attached as **Annexure-2.**
iv.	Catch drains and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment directly into the agricultural fields, rivers and other water bodies. The water so collected should be utilized for watering the mine area, roads, greenbelt development etc. The drains should be regularly de-silted particularly after the monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for the mine pit to prevent run off of water and flow of sediments directly into the agricultural fields rivers and other water bodies and sump capacity should be designated keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pit shall be constructed at the corners of the garland drains and de-silted at regular intervals.	Catchment drain: Catch Drains are made all along the working pit and along the Lease boundary to arrest the flow of Silt and Sediments going outside the mining Lease area, all the Catch drains are inter connected with Siltation Pond and rainwater harvesting pits within lease area in south pit entire water from Catch drains will be used for Ground water recharging. Photograph of Catch Drains, Siltation Pond and Rainwater harvesting pit is attached as **Annexure- 3.** De-siltation ponds are constructed within the lease area in south pit. The siltation pond sizes are Minimum20m length x 20m width x 2m height. **Annexure-3a** Garland drains are constructed along the lease boundary and periphery of the mine pit and along the haulraod. **Annexure-3b.**
v.	Dimension of the retaining wall at the toe of solid waste benches within the mine to check run-off and siltation should be based on the rain fall data.	Retaining walls are constructed along the lease boundary to protect the runoff from Mine. The photographs of same is attached as **Annexure- 4**
vi.	Plantation shall be raised in an area of at least 54.15 ha including a 7.5 m wide green belt in the safety zone around the mining lease, around the water body, reclaimed area, mine benches, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2000-2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	**Complied** Greenbelt is developed along the lease boundary within the 7.5m wide safety zone. Drip irrigation is also provided to get the survival rate of Plantations is more than 95 %.The photographs of same is attached as **Annexure- 5** Afforestation is also developed within the lease area near crusher; the survival rate of plantation is more than 95 %. The photographs of same is attached as **Annexure- 5a** Native species2500 plants per ha in consultation with the local DFO/Agriculture Department. The photographs of same is attached as **Annexure- 5b.**

vii.	The excavated area of 497.396 ha. left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.	Same will be compiled at the end of life of mine. The same is Attached as **Annexure-6.**
viii.	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as mineral handling area, around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Adequate air pollution control measures such as regular water sprinkling on haul roads,loading and unloading points and all transfer points adopted to control dust emission. **Annexure -7** We are doing the AAQM as per NAAQ2009 in core and buffer zone, monitoring report is enclosed **Annexure-7a .**
ix.	The project authority should implement suitable water conservation measures including rainwater harvesting on long term basis to augment ground water resources in the area and work out a detailed scheme in consultation with the Regional Director, Central Ground Water Board/Central Ground Water Authority and submit a copy of the same to the Ministry of Environment and Forests and its Regional Office, Bhopal.	Two ground water recharging structures Size 75m x 75m x 6 Mts and Three Number Surface recharge structures have been constructed with consultation of regional office CGWB. Photographs enclosed as **Annexure- 8, 8a &8b.**
x.	Limestone from mines to Crushing plant shall be transported through covered dumpers up to crusher plant and from crusher plant to cement plant by conveyor belt and no other mode of transportation shall be used.	Limestone transportation by pipe conveyor to plant. **Annexure-9.**
xi.	Necessary safeguard measures shall be taken to ensure that the resultant particulate level in the area is well within the prescribed limit.	Adequate air pollution control measures have been adopted in the mines to control dust emission. Ambient Air monitoring report is enclosed as **Annexure-10**
xii.	The details of project affected peoples (Land oustees / other affected peoples) shall be submitted to the R.O. Office of this Ministry at Bhopal and to the Ministry within 30 days from the issue of this letter. The project affected peoples shall be Rehabilitated and compensated as per the National Rehabilitation and Resettlement policy, 2007 in consultation with the State Government. Detailed Plan shall be prepared in this regard within 3 months and a copy of the same be submitted to Regional Office of this Ministry at Bhopal and to the Ministry immediately.	There is no land acquisition involved in our mining lease area and hence there are no land oustees and people are not affected by our mining project. Therefore, rehabilitation and resettlement provisions are not applicable. A Study on the same is carried out by Accredited Consultant and the same is attached as **Annexure - 11**
xiii.	Land-use pattern of the nearby villages shall be studied, including common property resources available for conversion into productive land. Action plan for abatement and compensation for damage of agricultural land/common property land (if any) in the nearby villages, due to mining activity shall be prepared and implemented.	At the time of EIA study land use pattern of 10 km radius with respect to mine lease studied. Agriculture and common property is not affected from mining activities. Land Use and Land Cover Study has been carried out recently by Accredited Consultant M/s ShrustiSeva Private Limited. Agriculture and Common Property are not affected by Mining Activity. Study Report is attached as **Annexure- 12, 12a.**
xiv.	The project authorities should undertake sample survey to generate data on pre-project community health status within a radius of 3 km from proposed mine. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records	Periodic health and hygiene survey are being conducted in villages around the Maldi-Mopar mine lease area in 3km. Medical Camp Photograph and Medical Report is attached for your Kind perusal please.

	maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Pre-placement medical examination and periodical medical examination of the workers engaged in the project has been carried out and records have been maintained at our OHC. Recent Periodical Medical Examination report of two employees as sample is attached as **Annexure-13**
xv.	Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30 m, each stage shall preferably be of 10 m and overall slope of the dump shall not exceed 28°. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. To the extent possible, the OB generated shall be back filled. The entire backfilled area shall be progressively afforested. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhopal on six monthly basis.	The overburden dumps with a maximum height of 30m and overall slope of 28° will be maintained. Since Maldi mines is at its very early stage, presently only top soil is being removed which is being used for Plantation all along the Mining Lease boundary, No OB Dump is created yet. As per the Mining Plan the OB will be used for Back filling in small portion of the area and will be progressively afforested, which will be regularly monitored till it will be self-sustained as desired.
xvi.	Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM_{10} and $PM_{2.5}$ such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by Central Pollution Control Board in this regard.	Regular water sprinkling on Haul road, Loading and Unloading points and all the transfer points is done to control dust emission. Please find Ambient Air Quality monitoring report for the Month of March 2022 all the parameters are within limits. AAQMS Study is being conducted at four different locations in core Mine Lease area and buffer Zone the report of the same is attached as **Annexure- 14**
xvii.	Regular monitoring of ground water level and quantity shall be carried out within the mines lease and in the surrounding area (up to 5 km of the mine lease) by establishing a network of groundwater monitoring stations (existing wells and installing new piezometers) during the mining operation in consultation with Central Groundwater Authority/Ground Water Board and groundwater table shall be monitored and records maintained. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be send regularly to the Ministry of Environment and Forests and its Regional Office Bhopal, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity then mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.	Online piezometer station is installed within the lease area for continuously monitoring ground water level. Periodically monitoring of groundwater table within core zone and buffer zone area is carried out. The quarterly ground water level reports are submitted to Regional Office Bhopal, the Central Ground Water Authority and the Regional Director, Central Ground Water Board, State Ground Water Board/Central Ground Water Authority. The Pre-monsoon, Monsoon, Winter and post monsoon data are enclosed as **Annexure-15**
xviii.	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of ground water required for the project.	**Complied** NOC No CGWA/NOC/MIN/REN/1/2021/6607 has already been obtained from CGWA, Ministry of JalShakti, Department of Water Resources. The copy of same is attached as **Annexure- 16**
xix.	Appropriate mitigative measures shall be taken to prevent pollution, percolation/seepage of water and breaching of the canal system adjoining the ML area. There shall be no use of	A safety zone has been left along the canal as per approved mine plan and necessary protective measures have been taken for percolation/seepage of water and breaching of the

	canal water in this mine project in any way and at any point of time and no utility, if any, shall be constructed over the canals without prior approval of the concerned State Agency/Deptt. Of Chhattisgarh Govt.	canal system adjoining the ML area. A Boundary wall is also being constructed all along the Canal for Protection purpose. Canal water shall not be used for mining purpose in any condition.
xx.	Drills shall either be operated with dust extractors or equipped with water injection system.	Drills have been provided with Dust extractor as well as water injection system; these are inbuilt with the machine itself. The records area available in attached **Annexure-17**
xxi.	Need based assessment for the nearby villages shall be conducted to study economic measures which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people besides development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes under CSR. This will be in addition to vocational training for individuals imparted to take up self-employment and jobs.	**Complied** Need Based Assessment study has been carried out by Accredited Consultant M/s ShrustiSeva Private Limited. Study report copy is attached as **Annexure-18.** Based on that the activity carried by ACF (Ambuja Cement Foundation) in Consultation with Local Village Head/Panchayat Head and Projects are taken on priority basis. The comprehensive details of CSR activities and Fund Allocation for the CSR activities, year wise expenditure incurred for the CSR activities is attached as **Annexure-18a.**
xxii	Sewage treatment plant shall be installed in ML area. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	**Complied** STP has been commissioned and the Commissioning report is attached herewith. ETP is under construction stage and will be commissioned by May 2022 end. The Commissioning report of STP & PO Copy of ETP along with site photographs of STP is attached as **Annexure-19.**
xxiii.	Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuels for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	As the Housing colony is already established at Rawan cement Plant along with necessary amenities and infrastructure facilities, No Housing is desired at the Mine site. Necessary facilities like Rest shelter, drinking water, urinals, first aid center toilet etc has been provided at the Mine for Mine Workers.
xxiv.	The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in, shall also be referred in this regard for its compliance.	**Complied** CAAQMS Display board is installed at Maldi Mopar Limestone Mines gate and it will be started within a month after commissioning of CAAQMS. Right now, AAQ monitoring is undertaken by a third party (NABL accredited). STP has been Commissioned and the Commissioning report is attached. ETP is under construction stage and will be commissioned by May 2022 end. The same is attached **Annexure-20**
xxv.	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora and fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhopal.	**Complied** The application has been submitted to Division Forest Officer for authenticated list of flora and fauna as per EIA studies. Greenbelt developed along the lease boundary and native plant species are being planted. Fencing has been provided around the plantation area to avoid inadvertent entry of the animals in the plantation and mining area. The photographs of same is attached as **Annexure-5,5a, 5b.**

xxvi.	Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bhopal.	**Complied** The Digital processing of entire lease area using remote sensing technique for the period April 2021 has been submitted as **Annexure-21.**
xxvii.	A final mine closure plan, along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Agreed and will be complied.Mines is in very early stage of development.
xxviii.	The environment clearance is subject to the condition, if any, stipulated by the IBM on the mining scheme submitted by the project proponent for its approval.	Noted
General Condition		
i.	No change in mining technology and scope of working shall be made without prior approval of the Ministry Of Environment & Forests.	No change in mining technology and scope of working will be made without prior approval of MoEF&CC.
ii.	No change in the calendar plan including excavation, quantum of mineral and waste shall be made.	We are proceeding as per guidelines in mining scheme.
iii.	At least four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for PM_{10}, $PM_{2.5}$, SO_2, Nox monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State pollution Control Board.	Four continuous ambient air quality-monitoring stations shall be established, in core and buffer zone with consultation of CECB, Letter in this regard submitted to CECB for their consent. Request Letter for CECB approval has been submitted and will be approved shortly. Air Quality monitoring report is enclosed as **Annexure-22.** The copy of Request letter copy is attached as **Annexure-22 A .**
iv.	Data on ambient air quality (PM_{10}, $PM_{2.5}$, SO_2, Nox) should be regularly submitted to the Ministry including its regional office located at Bhopal and the State Pollution Control Board/ Central Pollution Control Board once in six months.	Ambient air quality ((PM_{10}, $PM_{2.5}$, SO_2, Nox) .Monitoring report is enclosed as **Annexure –23** Regularly Ambient Air quality report submitted to MoEF&CC / CECB/CPCB along with Half yearly EC compliance Report.
v.	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc shall be provided with ear plugs/muffs.	Workers engaged in operations of HEMM, etc ear plugs/muffs has been provided. Noise monitoring report enclosed as **Annexure-24**
vi.	Industrial waste water (workshop and waste water 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. Oil and grease trap shall be installed before discharge of workshop effluents.	Vehicle wash system with oil & grease trap and filtration system has been constructed in limestone mine for treatment of effluent generated from workshop. Analysis report is enclosed as **Annexure-25**
vii.	Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspect. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Regularly necessary PPE's providing to workers and also training imparted on safety and health aspect. Occupational health surveillance program is in place, as a part of which pre-employment and periodic medical check-up of workers has been done and record of the same maintained by our OHC, training sheet enclosed as **Annexure- 26**
viii.	A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the organization.	A separate environmental management cell with suitable qualified personnel has been set-up under the control of a Senior Executive, who reports directly to the Unit Head. The details of same is attached as **Annexure - 27**
ix.	The project authorities shall inform to the Regional Office of the Ministry located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Grant of environmental clearance: 13th August, 2010. Mine development work has been completed and limestone production started from May 2021.

x.	The fund earmarked for environmental protection measures shall be kept in separate account and should not be diverted to other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bhopal.	Funds emarked for environmental protection measures will not be diverted . Year wise expenditure is reported to the Minstry . As the production and despach activity has been started in June 2021 and same is attached as **Annexure 28**
xi.	The project authorities shall inform the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Grant of environmental clearance vide letter no. J - 11015/252/2008- IA-II(M) dated 13th August , 2010. Mine development work has been completed and limestone production started.
xii.	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted and Agreed.
xiii.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional office, Bhopal, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests, Bhopal, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.	Six monthly compliance report submitted via mail on date **30.07.2021**. Environment Clearance copy up loaded on company website
xiv.	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, within seven days of the issue of the clearance letter informing that the project has been accorded Environmental clearance and copies of clearance letter are available with the State Pollution Control Board and also at the website of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry located in Bhopal.	The advertisement copy is attached as **Annexure 29.**
xv.	A copy of clearance letter shall be send by the proponent to concerned Panchayat, ZilaPanchayat/Municipal Corporation, Urban Local bodies and local NGO, if any, from whom suggestion/representation, if any were received while processing the proposal. The clearance letter shall also be put on website of the company by the proponent.	**Complied** We have given the Environmental clearance Letter to the following Sarpanch (dated 20.08.2010) 1. Sarpanch Maldi 2. Sarpanch Mopar 3. Sarpanch Dhandnih 4. Sarpanch Bordih
xvi.	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	Copies of EC are submitted to State PCB and RO , DIC on dated 02.12.2010.

xvii.	The environment statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and shall also be put on the website of the company along with the status of compliance of environmental clearance conditions. The same shall also be sent to the Regional Office of the Ministry by e-mail.	The environment statement (Form-V) has been submitted to CECB Head Office Nava Raipur and Regional Office Kabir Nagar, our vide letter No.ACL/BYT/ENV/2021-22/129 dated 25.09.2021.
5.	The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. MoEF may impose additional environmental conditions or modify the existing ones, if necessary.	Noted & agreed
6.	In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.	Noted & agreed
7.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted & agreed
8.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	Agreed
9.	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

Annexure-I

Print

फार्म 'अ'

(परिपत्र बी-1 की कडिका 6 देखिए)

राजस्व आदेश पत्र (रेव्हेन्यू आर्डर शीट)

न्यायालय नायब तहसीलदार, भाटापारा

राजस्व प्रकरण क्रमांक: 20170721250000111 सन:- 2016-2017

प्रकार:-मूल मामला

मामले की श्रेणी:- राजस्व

विषय:- अ-6 अ (खसरे में अथवा धारा-114 के अधीन तैयार किये गये किसी अन्य भू अभिलेख संबंधी कागज में गलत प्रविष्टि का सुधार अथवा उनमें प्रविष्टी संबंधी विवाद)

वाद भूमि :

तहसील: भाटापारा ग्राम : देवरानी(प.ह.न.- 00037), मलदी(प.ह.न.- 00036), मोपर(प.ह.न.- 00037) खसरे :

रमेश मिश्रा (प्रबंधक पिता/पति/विभाग-स्व. रवि शंकर मिश्रा पता-गाँधी चौक बलौदाबाजार

-:आवेदक

विरुद्ध

-:अनावेदक

आदेश अथवा कार्यवाही की तारीख	पीठासीन अधिकारी के हस्ताक्षर सहित आदेश अथवा कार्यवाही	जहां आवश्यक हो पक्षो/वकीलो / प्रस्तुतकार लिपिक के संक्षिप्त हस्ताक्षर
11/07/2017	आवेदक रमेश मिश्रा पिता स्व. रविशंकर मिश्रा प्रबन्धक अंबुजा सीमेंट कंपनी रवान तहसील -बलौदाबाजार जिला - बलौदाबाजार-भाटापारा (छ.ग.) के द्वारा ग्राम मल्दी प.ह.न. 36 रा. नि. म. निपनिया तहसील भाटापारा स्थित शासकीय भूमि खसरा नंबर 910, 993, 1001, 858/1, 859, 858/2 रकबा क्रमशः 0.640, 0.182, 0.162, 39.985, 2.423, 1.021 हे0 भूमि ग्राम मोपर प.ह.न. 37 रा. नि. म. निपनिया तहसील भाटापारा स्थित शासकीय भूमि खसरा नंबर 1107, 1177, 1205, 1215, 1217, 1218/1 रकबा क्रमशः 0.101, 0.040, 0.081, 0.530, 0.474, 1.887, एवं ग्राम देवरानी प.ह.न. 37 रा. नि. म. निपनिया तहसील भाटापारा स्थित शासकीय भूमि खसरा नंबर 335, रकबा 0.012 हे0 भूमि को रजिस्टर्ड लीज डीड में प्राप्त होने के कारण खसरा के कालम नंबर 12 में आवेदक कंपनी के नाम से शासकीय पट्टेदार के रूप में दर्ज किये जाने हेतु आवेदन पत्र प्रस्तुत किया है। 02. प्रकरण मद अ-6 अ में दर्ज किया जावे । 03. ग्राम एवं दैनिक समाचार पत्र में ईश्तहार का प्रकाशन कराया जावे। दावा आपत्ति हेतु सुनवाई दिनांक: 28/07/2017 Mahesh Singh Rajput तहसीलदार भाटापारा(छ. ग.)	28/7/2017

1835/18

सत्य-प्रतिलिपि

प्रभारी अधिकारी
वास्ते, तहसीलदार भाटापारा
जि.बलौदाबाजार भाटापारा

कि शासन द्वारा प्रदान की गई है।
जिसका आधिपत्य प्राप्त कर सीमांकन
पश्चात् पिलर भी लगाया जा चुका
है तथा बीज डिक्री में दी गई भूमि
का लगान व प्रक्षपाजी भी जमा कराया
जा चुका है — का छत्तीसगढ़ भू-
राजस्व संहिता 1959 की धारा 115, 116
के तहत खसरा नम्बरों एवं संबंधित
अन्य राजस्व अभिलेखों में पटेश्वरी
की हैसियत से "अंबुजा सीमेंट
लिमिटेड" के नाम पर संबंधित खसरे
के कॉलम नंबर 12 में दर्ज करने
बाबत आदेश जारी किया जाता है।

1835/16

सत्य-प्रतिलिपि
प्रभारी अधिकारी
वास्ते, तहसीलदार भाटापारा
जि. बलौदाबाजार भाटापारा

COURT FEE
FIVE RUPEES
भारत
पांच रुपये

उभयपक्ष संबंधित

ह०प०/रा०नि० को ज्ञापन जारी

हो।

यह आदेश न्यायालय

के सील-मुहर एवं मेरे हस्ताक्षर

से पारित एवं घोषित।

तहसीलदार
भाटापारा

1835/18

आवेदन पत्र प्राप्त होने की तिथि	5/3/18
आवेदक को कब उपस्थित होने को कहा गया	8/3/18
आवेदक कब उपस्थित हुआ	—
आवेदक को अग्रिम राशि के लिए सूचना देने की तिथि	—
प्रतिलिपि कब तैयार हुई	8-3-18
प्रकरण कब प्राप्त हुआ	7/3/18
प्रतिलिपि कब दिया गया या कब भेजा गया	8/3/18
कितने रूपये का प्रतिलिपि शुल्क लगा	140=00

मिलान करने वाले का हस्ताक्षर

प्रभारी अधिकारी
प्रतिलिपि शाखा- भाटापारा

1830/18

सत्य-प्रतिलिपि

प्रभारी अधिकारी
वास्ते, तहसीलदार भाटापारा
जि.बलौदाबाजार भाटापारा

Annexure - I a

कार्यालय कलेक्टर (खनिज शाखा) जिला बलौदाबाजार–भाटापारा छ.ग.
आदेश

कमांक 205 / तीन–6 / 2003 बलौदाबाजार दिनांक 6 / 05 / 2014
प्रति,

मेसर्स अंबूजा सीमेंटस् लिमिटेड
युनिट भाटापारा
रवान तहसील बलौदाबाजार
जिला बलौदाबाजार–भाटापारा

विषयः– स्वीकृत क्षेत्र पर कार्य करने की अनुमति प्रदान करने बाबत् ।

---0---

आपको ग्राम मल्दी, मोपर, देवरानी, तहसील भाटापारा एवं ग्राम करमंदी, बोईरडीह तहसील बलौदाबाजार जिला बलौदाबाजार– भाटापारा के रकबा 553.656 हेक्टर क्षेत्र पर दिनांक 18.02.2009 से 17.02.2039 तक अवधि के लिए खनिज चूनापत्थर खनिपट्टा स्वीकृत है।

स्वीकृत खनिपट्टा क्षेत्र पर आपके द्वारा कय निजी स्वामित्व की भूमि ग्राम मल्दी मे ब्लॉक–एक एवं दो, रकबा 57.261 हेक्टर, ग्राम मोपर मे रकबा 131.589 हेक्टर, ग्राम देवरानी मे रकबा 24.089 हेक्टर, ग्राम करमंदी मे रकबा 46.867 हेक्टर एवं ग्राम बोईरडीनह में रकबा 24.715 हेक्टर कुल रकबा 284.521 हेक्टर क्षेत्र पर भू–राजस्व संहिता 1959 की धारा 247, (3) (5) के तहत् भू–प्रवेश कर खनन प्रारंभ करने की अनुमति प्रदान की जाती है।
(कलेक्टर महोदय द्वारा अनुमोदित)

06/05/2014
खनि अधिकारी
वास्ते कलेक्टर बलौदाबाजार

पृ कमांक 206 / तीन–6 / 2003 बलौदाबाजार दिनांक 6 / 05 / 2014
प्रतिलिपि:–

1. तहसीलदार बलौदाबाजार / भाटापारा जिला बलौदाबाजार–भाटापारा को सूचनार्थ।
2. श्री अवधेश बारिक, खनि निरीक्षक बलौदाबाजार को सूचनार्थ।
3. सरपंच ग्राम पंचायत मल्दी / मोपर, देवरानी, विकासखंड भाटापारा एवं ग्राम ढनढनी विकासखंड बलौदाबाजार जिला बलौदाबाजार–भाटापारा को सूचनार्थ।

06/05/2014
खनि अधिकारी
वास्ते कलेक्टर बलौदाबाजार

न्यायालय नायब तहसीलदार भाटापारा जिला बलौदाबाजार-भाटापारा (छ.ग.)

//ज्ञापन//

1 402

क...../वा./ना.तह./2018 भाटापारा, दिनांक 03.03.2018

प्रति,

01. प.ह.नं. 36
ग्राम– मल्दी

02. प.ह.नं. 37
ग्राम – मोपर, देवरानी

विषय :– अभिलेख दुरूस्त करने बाबत् ।

विष्यांतर्गत लेख है कि इस न्यायालय के रा.प्र.क. 201707212500001/113अ–63अ/2016–17 में आवेदक अंबुजा सीमेंट कंपनी प्रबंधक रमेश मिश्रा विरूद्ध छ.ग.शासन ग्राम मल्दी, मोपर, देवरानी, के प्रकरण में ग्राम मल्दी प.ह.नं. 36 रा.नि.मं. निपनिया तहसील भाटापारा स्थित शासकीय खसरा नंबर 910, 903 1001, 858/1, 859, 858/2 रकबा कमशः 0.640, 0.182, 0.162, 39.985, 2.423, 1.021, कुल रकबा 44.413 हे0 ग्राम मोपर प.ह.नं. 37 रा.नि.मं. निपनिया तहसील भाटापारा स्थित शासकीय भूमि खसरा नंबर 1107, 1177, 1205, 1215, 1217, 1218/1 रकबा कमशः 0.101, 0.040, 0.081, 0.530, 0.474 1.887 हे0 कुल रकबा 3.113 हे0 ग्राम देवरानी प.ह.नं. 37 रा.नि.मं. निपनिया तहसील भाटापारा स्थित शासकीय भूमि खसरा नंबर 335 रकबा 0.012 हे0 । इस प्रकार ग्राम मल्दी मोपर एवं देवरानी के कुल रकबा 47.538 हे0 भूमि खसरा के कालम नंबर 12 में अंबुजा सीमेंट लिमिटेड का नाम शासकीय पट्टेदार के रूप में दर्ज किये जाने का आदेश दिनांक 03.03.2018 को पारित किया गया हैं।

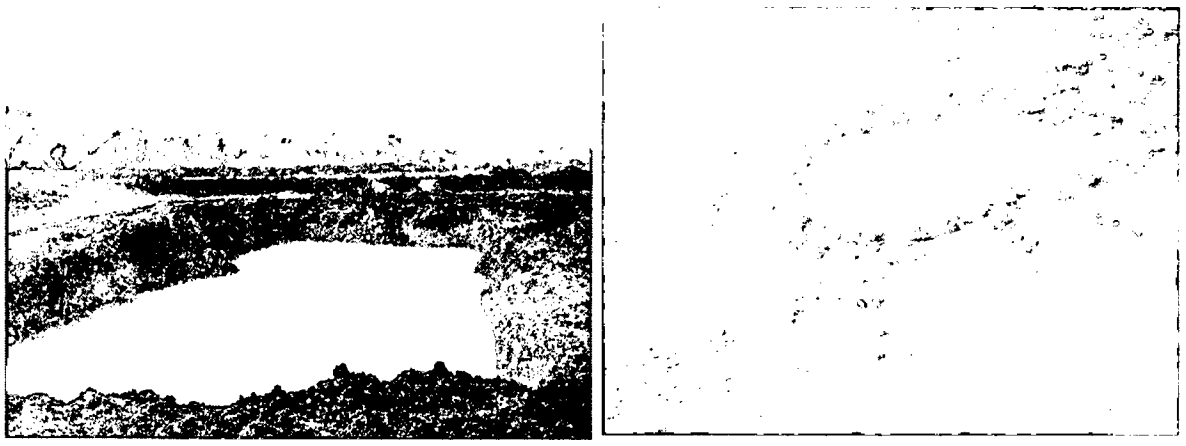
अतः उपरोक्तानुसार अभिलेख दुरूस्त कर पालन प्रतिवेदन तीन दिवस के भीतर प्रस्तुत करें।

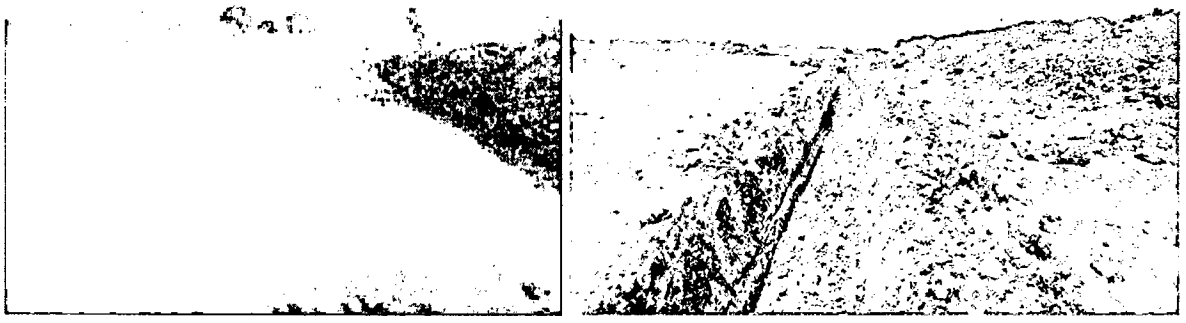
नायब तहसीलदार
भाटापारा
जिला बलौदाबाजार

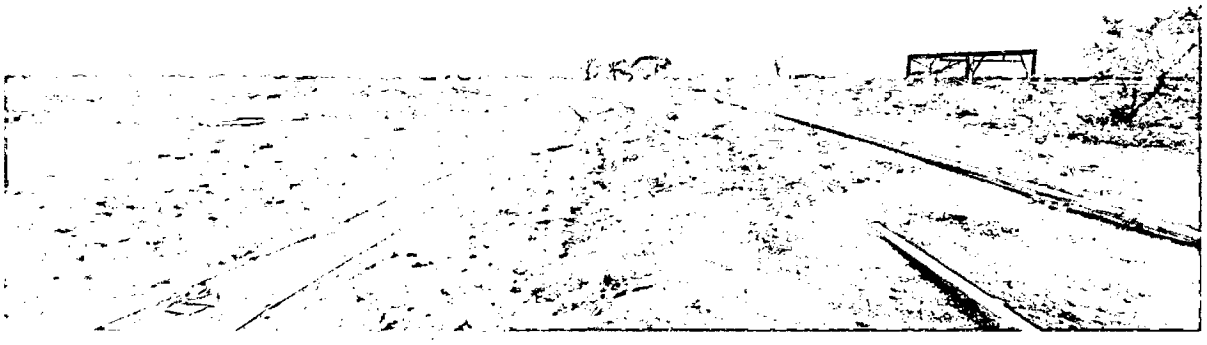
उपरोक्त

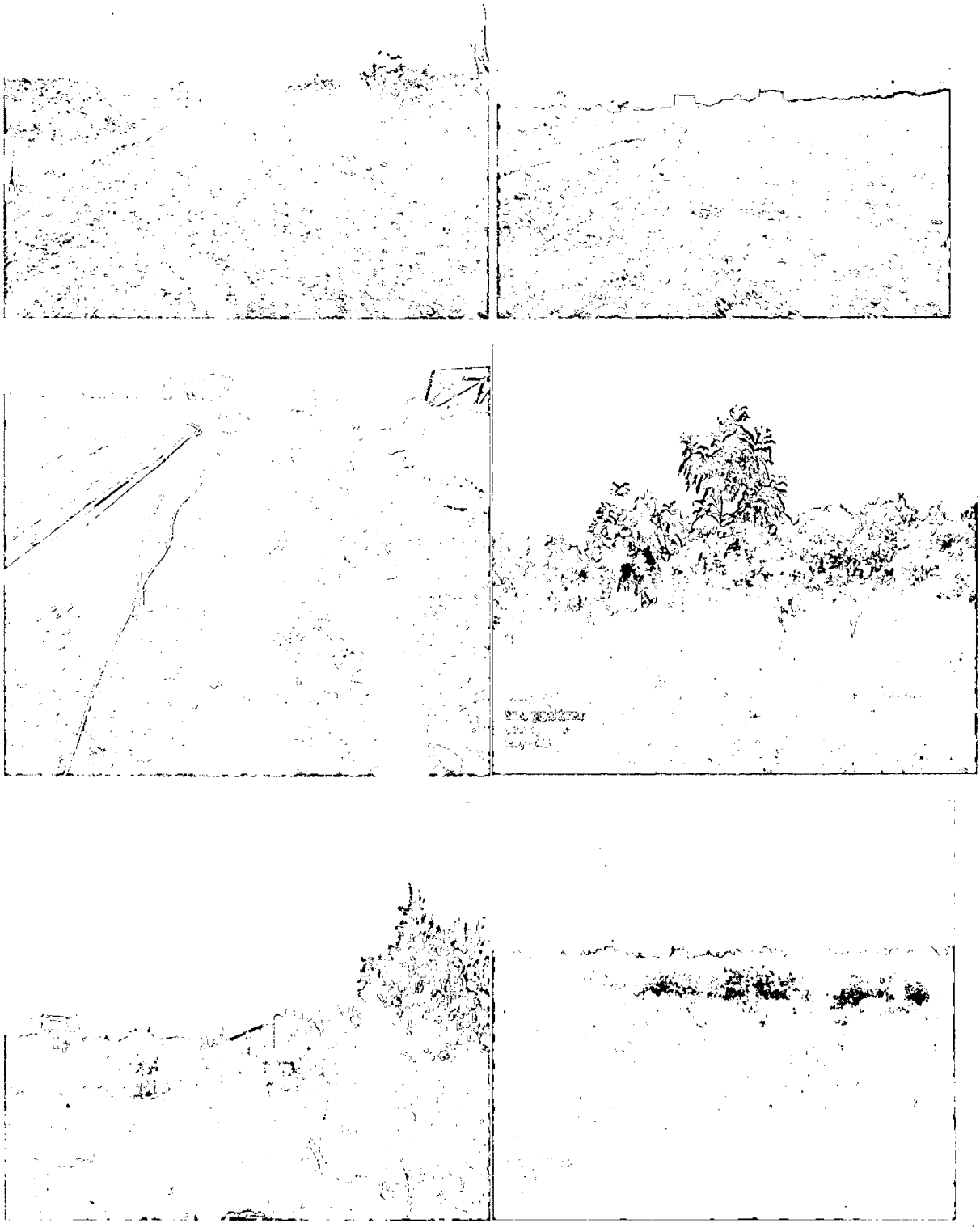
13-3-18

Annexue - 2

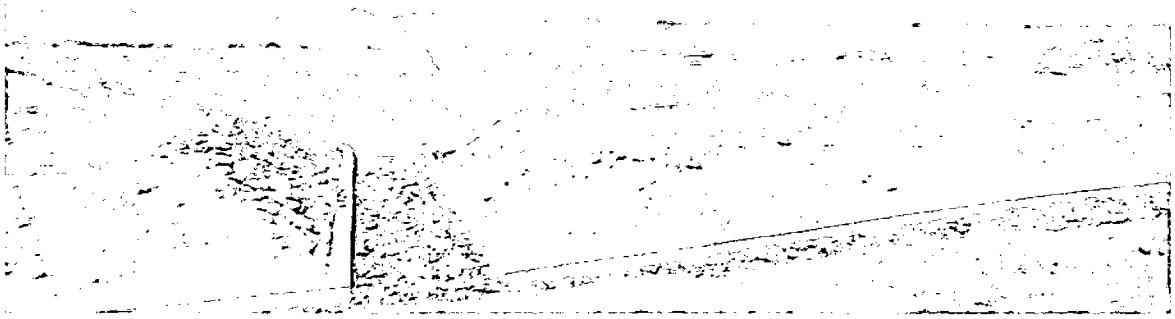


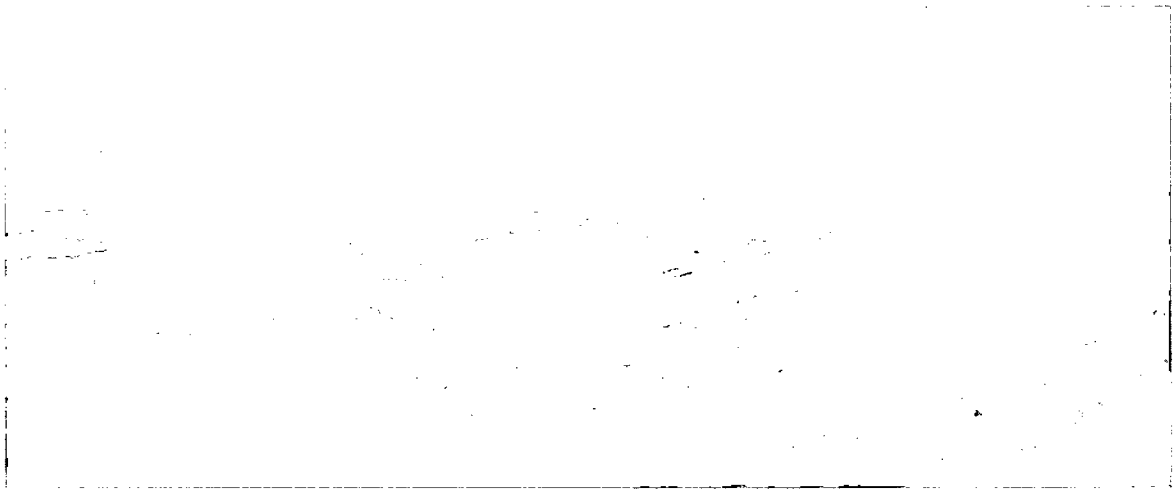




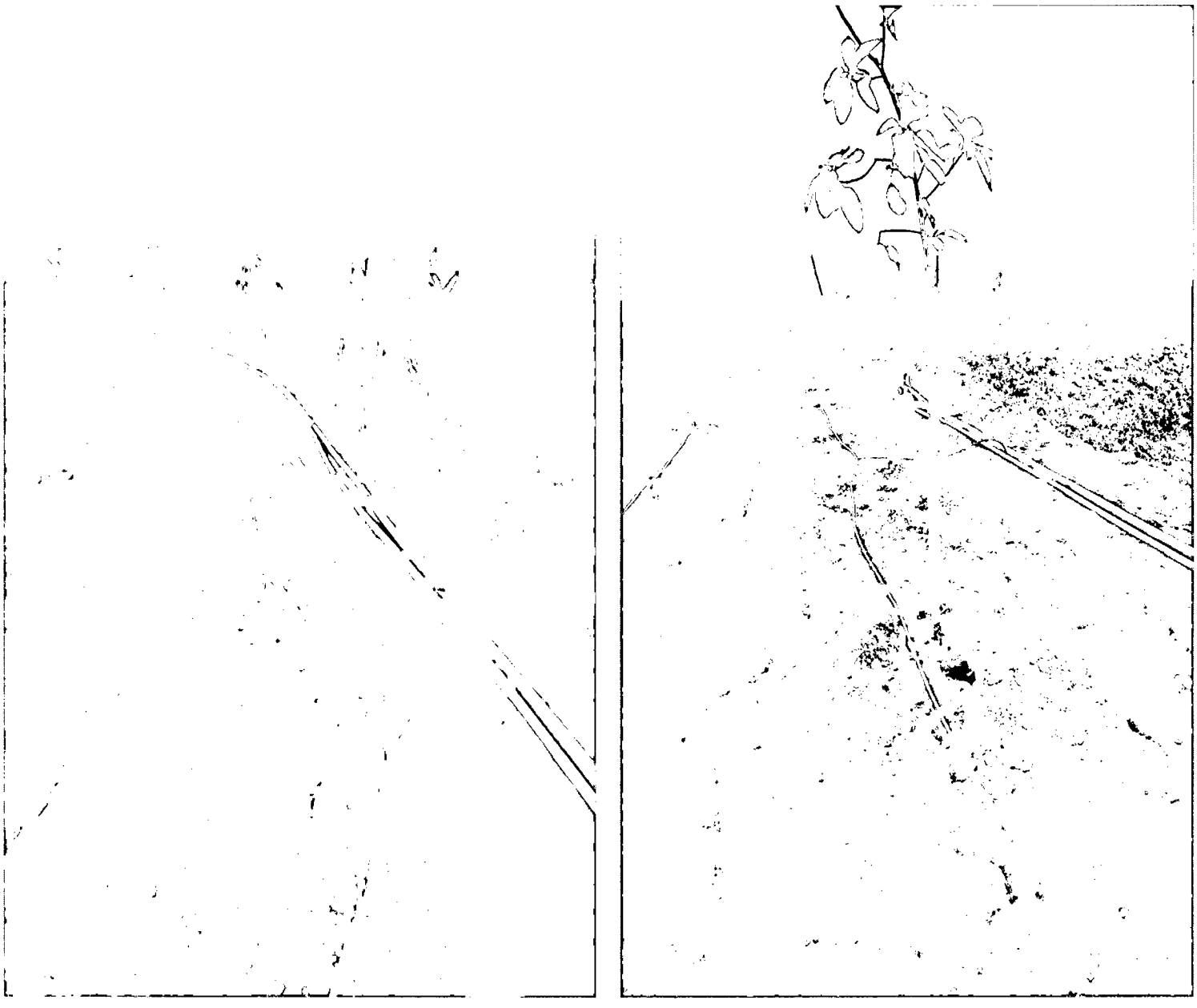


Annexe – 3a

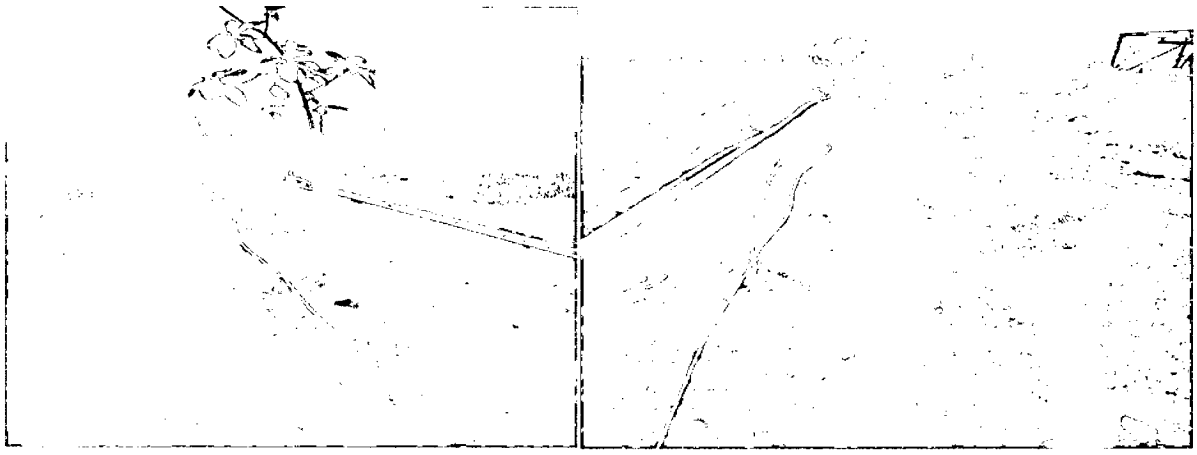


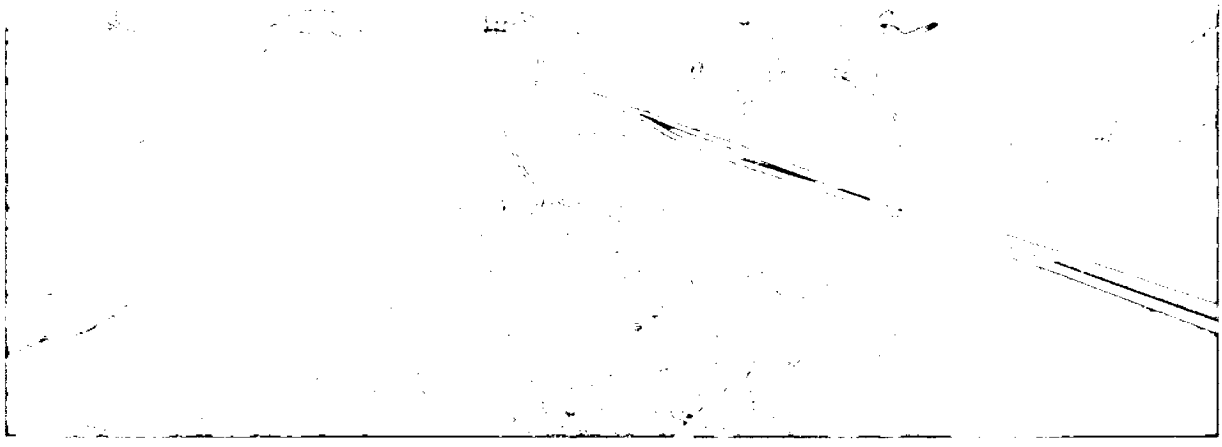


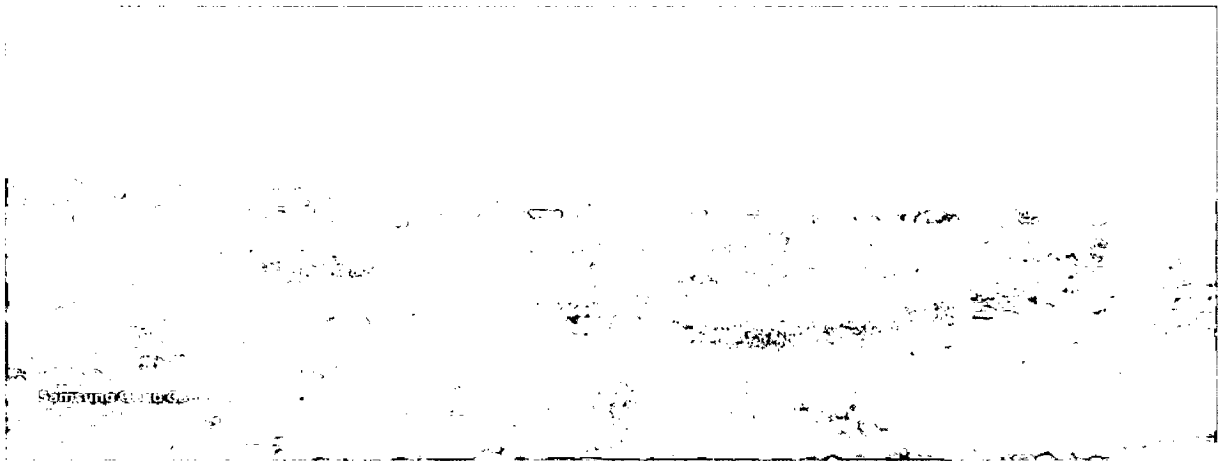
Annex 3b



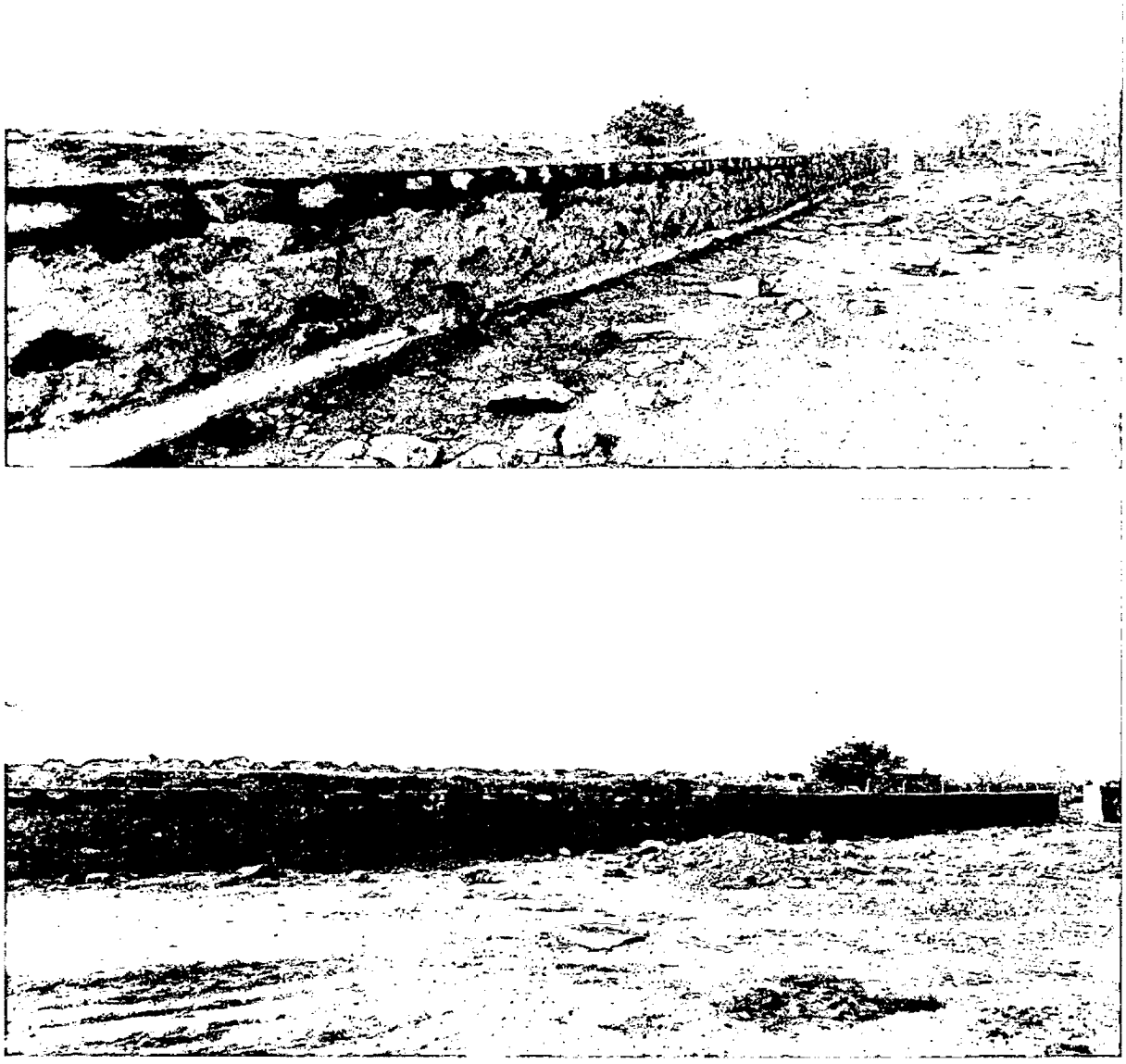
Photograph Showing the plantation and Drip irrigation





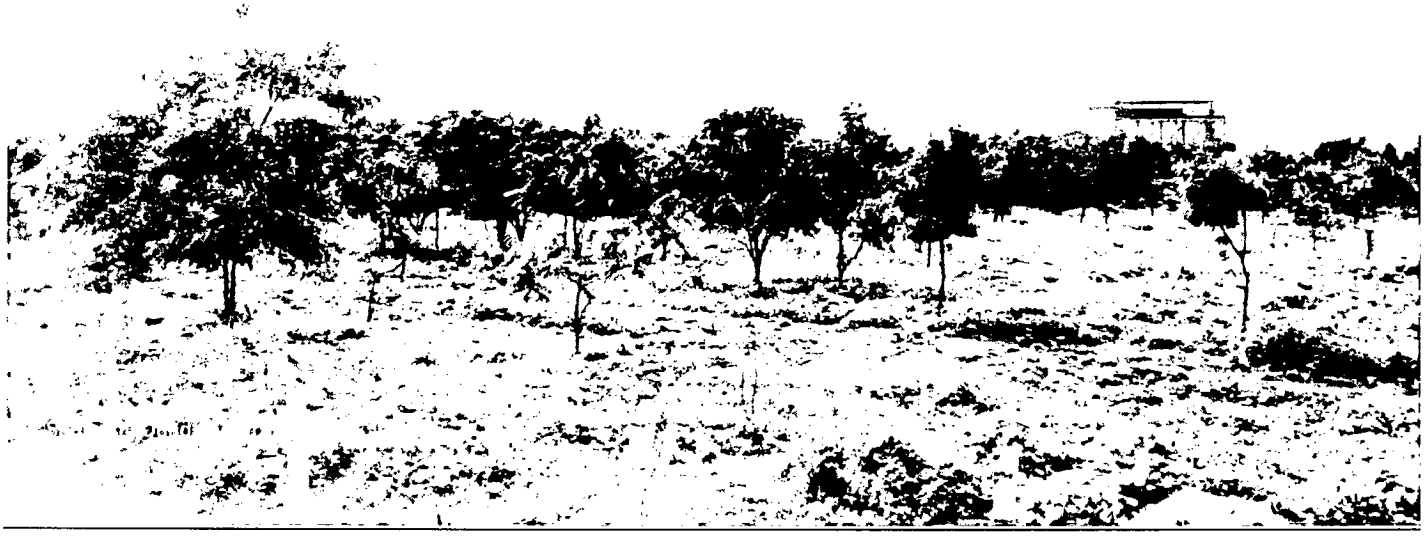


Annexul - 4



Typical View of Retaining Wall Constructed

Annex -5, 5A, 5B



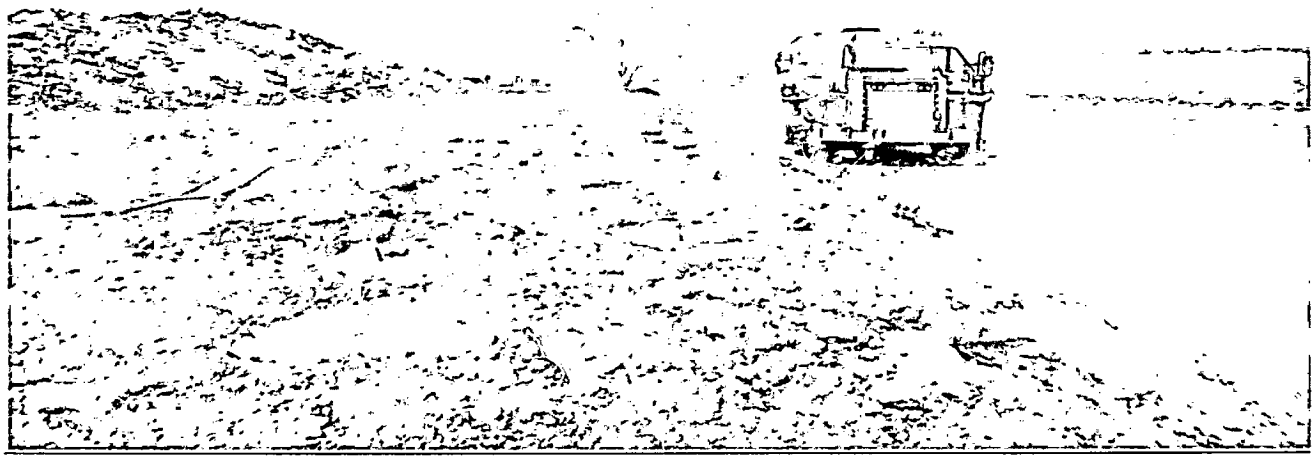
Afforastation and Greenbelt

Typical View of Afforastation and Greenbelt along the lease area

Typical View of Greenbelt along the lease area

Typical View of Greenbelt along the lease area

Typical View of native species in the greenbelt



Plantation along the haulraod

Ambuja Cement

Ref No :

Date. 03.03.2022

To,

The Divisional Forest Officer,
Forest Division Baloda Bazar
Dist Baloda Bazar (C.G.)

CHIEF CONSERVATOR OF FOREST
RAIPUR (C.G.)

Sub . **Request for authenticated list of Flora and Fauna for Survey of Environmental Impact Assessment studies.**

Dear Sir.

We have allotted Maldi-Mopar Limestone Mine, Taluka Baloda Bazar, District Bhatapara, Chhattisgarh of Ambuja Cement Limited, Baloda Bazar (C.G.). As per MoEFCC TOR requirement we have being directed through obtained List of Flora & Fauna in Core Zone & 10 km Buffer Zone and Information about Reserve Forest, Protected Forest, National Park, Sanctuaries, 10 km Buffer Zone if any for preparation of Environmental Impact Assessment Report for above mining project.

It is therefore requested that, kindly provide the required information/data related to above project from your department.

Your kind co-operation and association in this regard would be highly appreciated.

Thanking you

Yours faithfully,

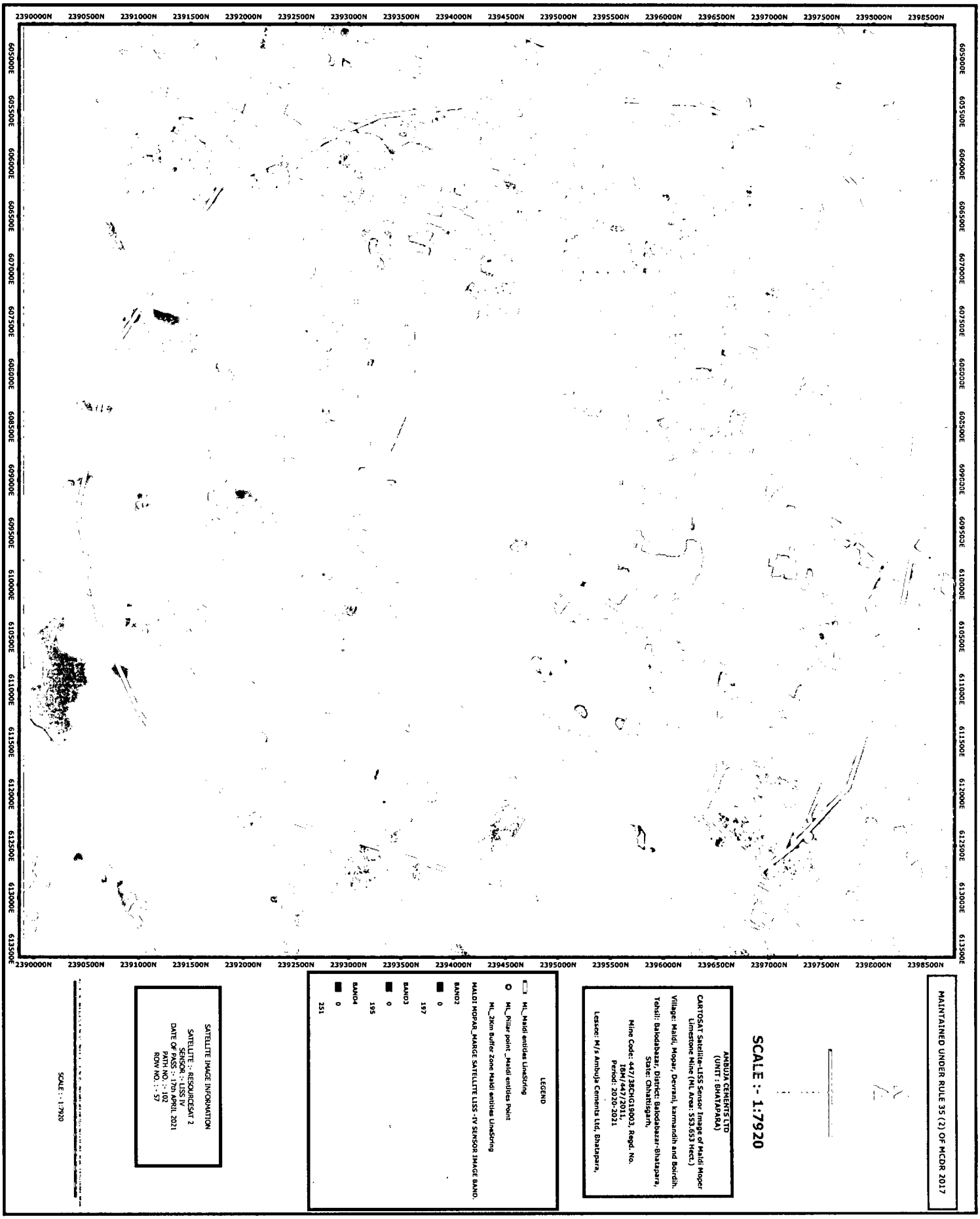
For M/s. Ambuja Cements Limited
(Unit Bhatapara)

Authorized Signatory

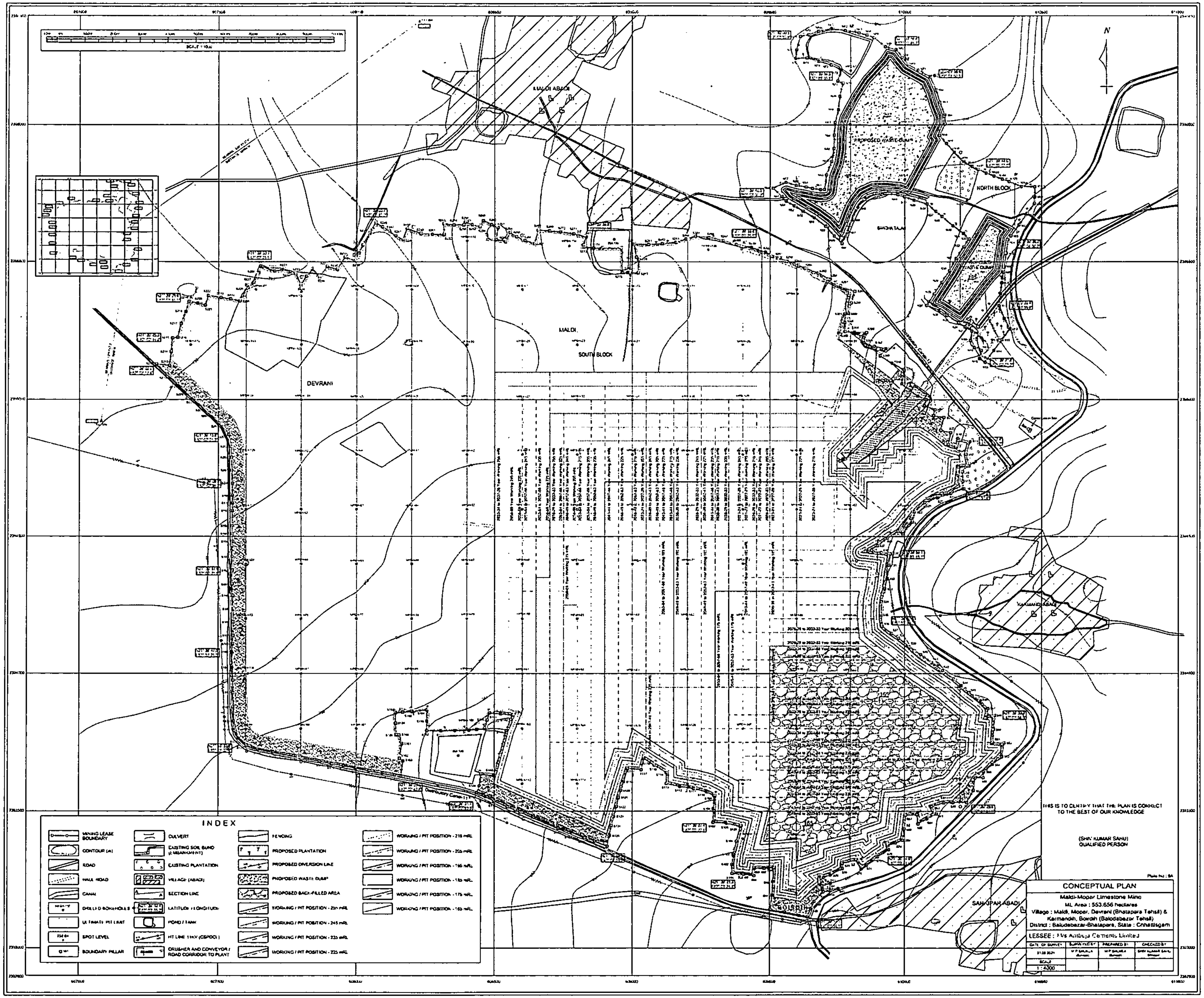
AMBUJA CEMENTS LIMITED
(Unit : Bhatapara)

Request Letter for authentication list of flora and fauna

Annexure-6


2390000N
2390500N
2391000N
2391500N
2392000N
2392500N
2393000N
2393500N
2394000N
2394500N
2395000N
2395500N
2396000N
2396500N
2397000N
2397500N
2398000N
2398500N
605000E
605500E
606000E
606500E
607000E
607500E
608000E
608500E
609000E
609500E
610000E
610500E
611000E
611500E
612000E
612500E
613000E
613500E
MAINTAINED UNDER RULE 35 (2) OF MCDR 2017
AMBUJA CEMENTS LTD
(UNIT : BHATAPARA)
CARTOSAT Satellite-LISS Sensor Image of Maldi Mopar Limestone Mine (ML Area: 553.653 Hect.)
Village: Maldi, Mopar, Devrani, karmandih and Boirdih.
Tehsil: Balodabazar; District: Balodabazar-Bhatapara, State: Chhattisgarh.
Mine Code: 4477/28CHG18003, Regd. No. IBM/4477/2011
Period: 2020-2021
Lessee: M/s Ambuja Cements Ltd, Bhatapara,
SCALE :- 1:7920
LEGEND
ML_Maldi entities LineString
ML_Pillar point _Maldi entities Point
ML_2Km Buffer Zone Maldi entities LineString
MALDI MOPAR_MARGE SATELLITE LISS -IV SENSOR IMAGE BAND.
BAND2
0
197
BAND3
0
195
BAND4
0
251
SATELLITE IMAGE INFORMATION
SATELLITE :- RESOURCESAT 2
SENSOR :- LISS IV
DATE OF PASS :- 17th APRIL 2021
PATH NO. :- 102
ROW NO. :- 57
SCALE :- 1:7920

Annexure-6

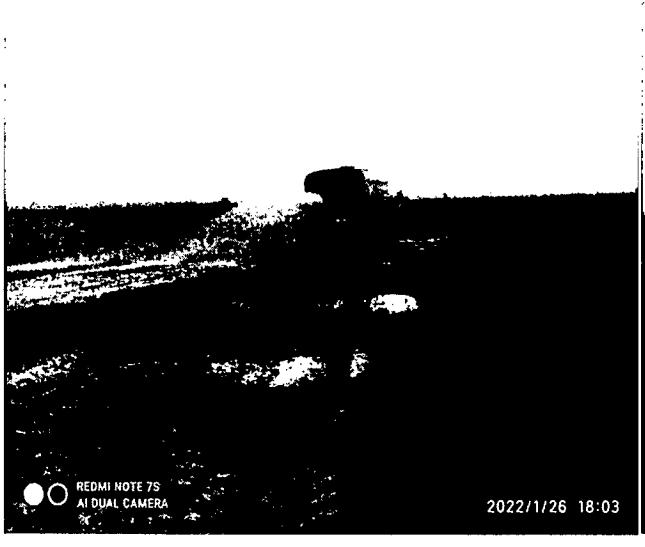


MALDI ABADI
PROPOSED WASTE DUMP
NORTH BLOCK
BACHA TALAB
MALDI
SOUTH BLOCK
DEVRANI
KARMANDIH ABADI
SAHJPAR ABADI
N
INDEX
MINING LEASE BOUNDARY
CONTOUR (A)
ROAD
HAUL ROAD
CANAL
DRILLED BOREHOLES
ULTIMATE PIT LIMIT
SPOT LEVEL
BOUNDARY PILLAR
CULVERT
EXISTING SOIL BUND (EMBANKMENT)
EXISTING PLANTATION
VILLAGE (ABADI)
SECTION LINE
LATITUDE / LONGITUDE
POND / TANK
HT LINE 11kV (CSPDCL)
CRUSHER AND CONVEYOR / ROAD CORRIDOR TO PLANT
FENCING
PROPOSED PLANTATION
PROPOSED DIVERSION LINE
PROPOSED WASTE DUMP
PROPOSED BACK-FILLED AREA
WORKING / PIT POSITION - 245 mRL
WORKING / PIT POSITION - 235 mRL
WORKING / PIT POSITION - 225 mRL
WORKING / PIT POSITION - 215 mRL
WORKING / PIT POSITION - 205 mRL
WORKING / PIT POSITION - 195 mRL
WORKING / PIT POSITION - 185 mRL
WORKING / PIT POSITION - 175 mRL
WORKING / PIT POSITION - 165 mRL
THIS IS TO CERTIFY THAT THE PLAN IS CORRECT TO THE BEST OF OUR KNOWLEDGE
(SHIV KUMAR SAHU)
QUALIFIED PERSON
Plate No : 9A
CONCEPTUAL PLAN
Maldi-Mopar Limestone Mine
ML Area : 553.656 hectares
Village : Maldi, Mopar, Devrani (Bhatapara Tehsil) & Karmandih, Bordih (Balodabazar Tehsil)
District : Balodabazar-Bhatapara, State : Chhattisgarh
LESSEE : M/s Ambuja Cements Limited
DATE OF SURVEY
SURVEYED BY
PREPARED BY
CHECKED BY
SCALE
1 : 4000

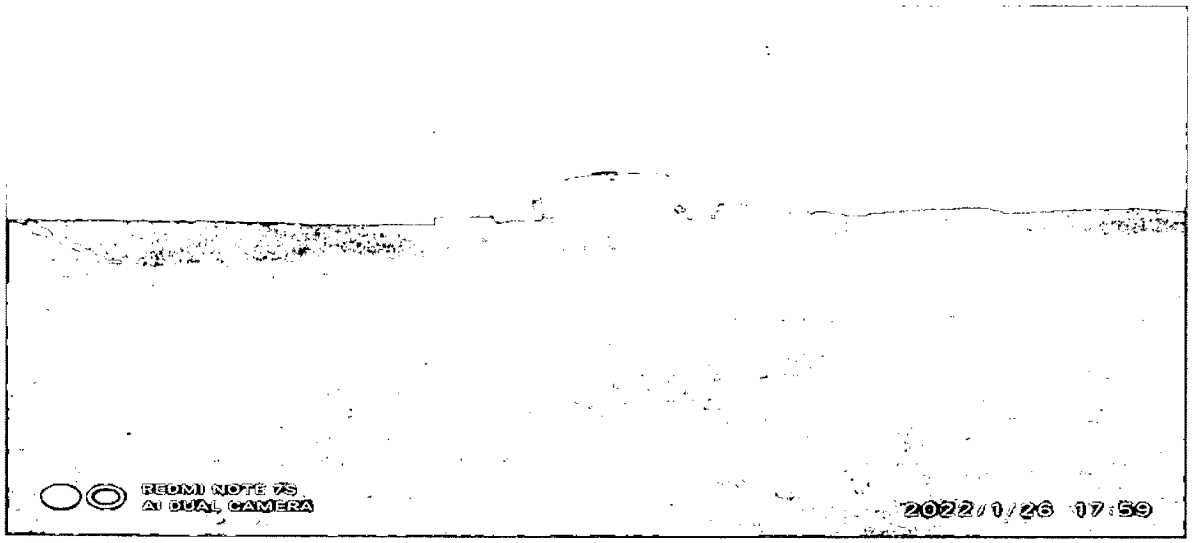
Annexu-7


REDMI NOTE 7S
AI DUAL CAMERA
2022/1/26 18:03


REDMI NOTE 7S
AI DUAL CAMERA
2022/1/26 18:03


REDMI NOTE 7S
AI DUAL CAMERA
2022/1/26 18:03


REDMI NOTE 7S
AI DUAL CAMERA
2022/1/26 18:03


REDMI NOTE 7S
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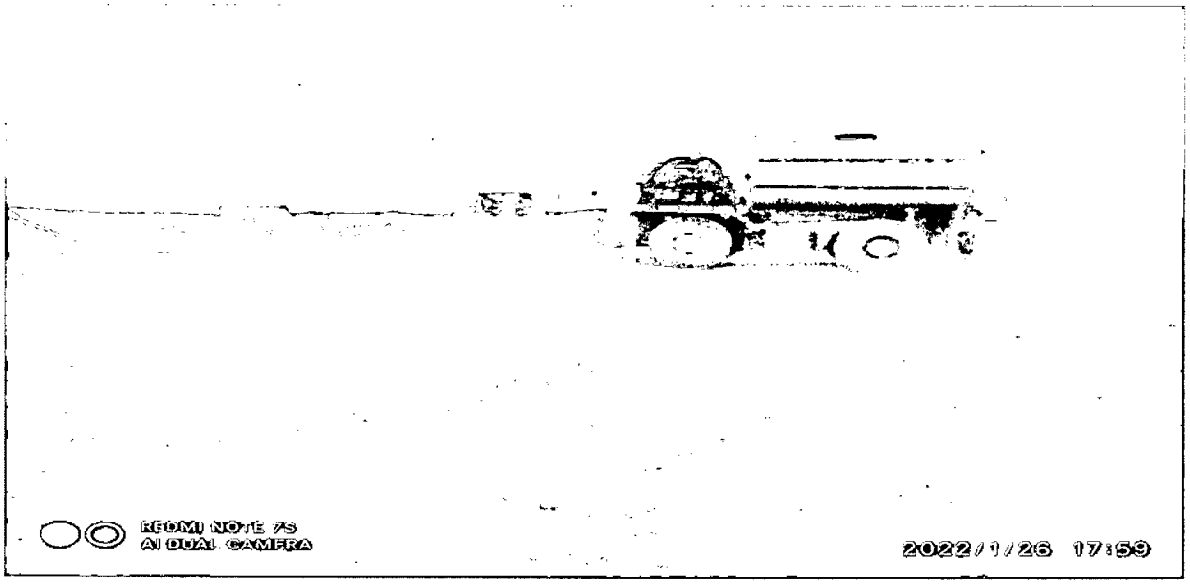
2022/1/26 17:59


REDMI NOTE 7S
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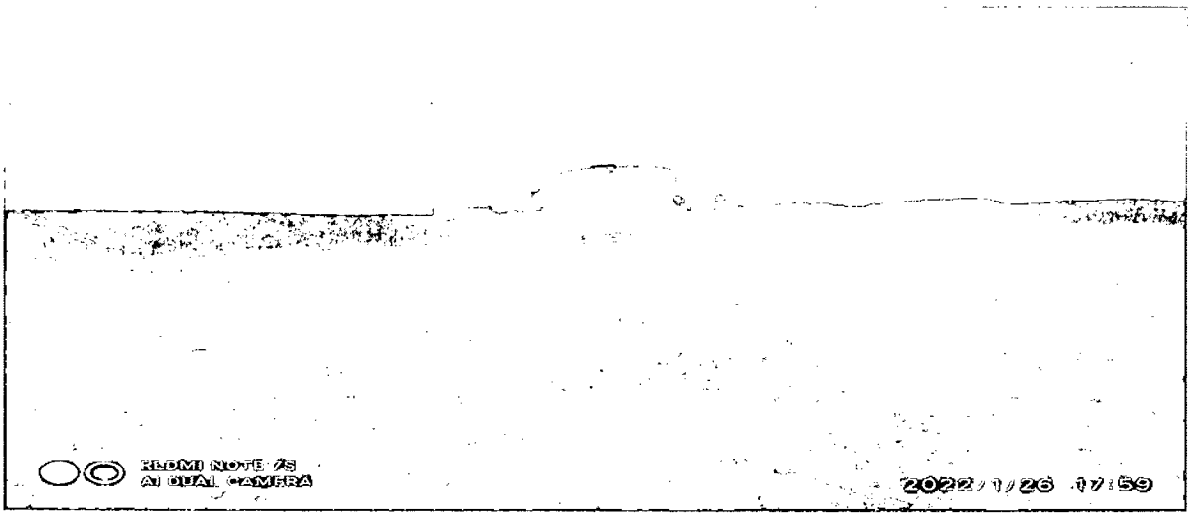
2022/1/26 17:59


REDMI NOTE 7S
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2022/1/26 17:59

Annexu - 7A, 10 14, 22, 23
20, 24, 25

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CIN No. U74140MH112009PTC196108

FOREWARD

Environmental monitoring is a tool to assess environmental conditions and trends, support policy development and its implementation, and develop information and it's becoming increasingly important in order to assess the environment assessment and management. This activity also forms a pre-requisite for treatability studies or to assess the assimilation capacity of human beings.

M/s GYAN Enviro (M/s Nilawar Laboratories which is recognized Laboratory by the Ministry of Environment and Forest, Government of India under Environment (Protection) Act, 1956 and NABL accredited Laboratory and same will be valid up to Feb -2022. has been completed their works for "Collection and analysis of environmental samples from **M/s Ambuja Cements Limited [Unit-Bhatapara]at** Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)

Monthly environment monitoring report has been preparing on the basis of data collected from the factory premises **M/s Ambuja Cements Limited [Unit-Bhatapara].** Environment samples were collected for the month of March -2022 vide work order No. 2800883987/NE08, Dated 23rd February 2022.

Nagpur
March -2022

For **GYAN ENVIRO**

Dr.D.G. Battalwar
Authorized Signatory

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ISO 14001:2015
ISO 45001:2018
NABL ACCREDITED LAB

CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Rawan Mines**	Sample Ref No – NL/2022/Air/84/1	
Description of sample when received	NA	Quantity of sample	--
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	21.03.2022	Sample Received date	19.03.2022
Date of analysis completed	24.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring	Sampling date: 15th March 22 to 16th March 22		

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-1 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	59.6	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	19.4	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	12.0	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	15.4	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	1.9	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.515	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	0.60	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	--	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS**- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-1 - Near Mine Office
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

Off. : First Floor, 'Pratibha Sankul'. Beside Alankar Cinema, Dharampeth, Nagpur - 10. Ph. : +91-712-2542261, 2542291, E-mail : nilawarlabs@gmail.com
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CIN No. U74140MH112009PTC196108

Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Rawan Mines**	Sample Ref No – NL/2022/Air/84/2	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	21.03.2022	Sample Received date	19.03.2022
Date of analysis completed	24.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring		Sampling date: 15th March 22 to 16th March 22	

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-2 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	62.4	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	22.2	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	13.1	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	16.7	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	2.2	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.452	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	0.76	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	--	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS-** National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-2 - Near Work Shop
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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NABL ACCREDITED LAB

CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Rawan Mines**	Sample Ref No – NL/2022/Air/84/3	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	21.03.2022	Sample Received date	19.03.2022
Date of analysis completed	24.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring	Sampling date: 15th March 22 to 16th March 22		

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-3 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	70.5	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	24.8	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	11.0	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	15.8	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	4.0	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.404	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	1.4	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	--	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS**- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-3 - Near Crusher
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

Off. : First Floor, 'Pratibha Sankul', Beside Alankar Cinema, Dharampeth, Nagpur - 10. Ph. : +91-712-2542261, 2542291, E-mail : nilawarlabs@gmail.com
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ISO 14001:2015
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NABL ACCREDITED LAB

CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Rawan Mines**	Sample Ref No – NL/2022/Air/84/4	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	21.03.2022	Sample Received date	19.03.2022
Date of analysis completed	24.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring	Sampling date: 15th March 22 to 16th March 22		

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-4 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	55.4	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	18.0	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	10.8	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	17.2	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	3.5	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.566	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	1.0	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	--	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS**- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-4 - Mine area -South Pit
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Rawan Mines**	Sample Ref No – NL/2022/Air/84/5	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	21.03.2022	Sample Received date	19.03.2022
Date of analysis completed	24.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring		Sampling date: 15th March 22 to 16th March 22	

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-5 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	58.2	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	20.4	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	11.7	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	18.4	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	4.6	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.610	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	1.3	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	--	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS**- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-5 - Mine area -North Pit
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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ISO 14001:2015
ISO 45001:2018
NABL ACCREDITED LAB

CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Maldi Mines**	Sample Ref No – NL/2022/Air/84/6	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	26.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring	Sampling date: 15th March 22 to 16th March 22		

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-1 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	54.3	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	20.8	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	14.5	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	17.8	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	3.4	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.520	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	0.90	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	--	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS-** National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-1 - Near Mine Office
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Maldi Mines**	Sample Ref No – NL/2022/Air/84/7	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	26.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring	Sampling date: 15th March 22 to 16th March 22		

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-2 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	59.5	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	22.0	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	12.5	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	17.6	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	3.5	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.510	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	1.2	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	--	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS**- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-2 - Near work shop
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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CIN No. U74140MH112009PTC196108

Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Maldi Mines**	Sample Ref No – NL/2022/Air/84/8	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	26.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring		Sampling date: 15th March 22 to 16th March 22	

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-3 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	67.8	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	24.0	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	12.8	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	16.6	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	4.0	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.610	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	1.6	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³ 1.0		<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	--	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS**- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-3 – Near Crusher
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

Note:

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CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Maldi Mines**	Sample Ref No – NL/2022/Air/84/9	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	26.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring		Sampling date: 15th March 22 to 16th March 22	

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-4 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	60.2	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	23.1	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	12.0	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	16.5	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	3.2	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.550	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	1.6	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	-	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS-** National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-4 - Mine area -South Pit
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Air Monitoring -Maldi Mines**	Sample Ref No – NL/2022/Air/84/10	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	26.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			
Environment Conditions: Sunny during monitoring	Sampling date: 15th March 22 to 16th March 22		

Results of Analysis

S.N	Test Parameters	Unit	Permissible Limit	AAQ-5 Result	Test Method
1.	Particulate Matter size less than 10 µm (PM_{10})	µg/m³	100	45.2	USEPA - 40 CFR Part 50 (Appendix O)
2.	Particulate Matter size less than 2.5 µm ($PM_{2.5}$)	µg/m³	60	15.4	USEPA - 40 CFR Part 50 (Appendix O)
3.	Sulphur Dioxide (SO_2)	µg/m³	80	10.1	IS 5182 (Part 2): 2001 RA 2017
4.	Nitrogen Dioxide (NO_2)	µg/m³	80	14.8	IS 5182 (Part 6): 2006 RA 2017
5.	Ozone (O_3)	µg/m³	180	1.8	APHA- Method No.411 (44101-02-70T) 2nd edition
6.	Lead (Pb)*	µg/m³	1.0	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
7.	Carbon Monoxide (as CO)*	mg/m³	4.0	0.390	IS 5182 (Part 10) : 1999 RA 2014 (Clause 5.0)
8.	Ammonia (as NH_3)	µg/m³	400	0.56	APHA- Method No.401 (42604-01-72T), 2nd edition
9.	Benzene (as C_6H_6)*	µg/m³	5.0	<1.0	IS 5182 (Part 11) : 2006 RA 2017 (Clause 4.0)
10.	Benzo [a] Pyrene (as BaP)	µg/m³	1.0	<0.01	IS 5182 (Part 12) : 2004 RA 2014
11.	Arsenic (as As) *	µg/m³	6.0	<0.2	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)
12.	Mercury (as Hg) *	µg/m³	-	BDL	IS 5182 (Part 22): 2004 RA 2014 (Clause 5.0)

- **NAAQMS**- National Ambient Air Quality Monitoring Standards (MoEF notification 2009)
- All values are in **µg/m³**
- **Sampling Location**: AAQ-5 - Mine area -North Pit
- **BDL – Below Detectable Limit**

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Noise Monitoring -Rawan Mines**	Sample Ref No – NL/2022/Noise/84/01	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	-	Sample Received date	-
Date of analysis completed	-	Testing Period	-
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Results of Measurement

Details	Monitoring Locations				
	NA-1	NA-2	NA-3	NA-4	NA-5
Standard Limit (CPCB)	**75.0 (day hours)**				
Observed Value (Day time)	59.4	53.5	52.3	56.2	58.9
Standard Limit (CPCB)	**70.0 (night hours)**				
Observed Value (night time)	38.7	35.0	32.8	34.9	39.2

***All values are in dB(A)**

Location Details:

- NA-1: Near Mine Office
- NA-2: Near Work shop
- NA-3: Near Crushher
- NA-4: Mine area -South Pit
- NA-5 : Mine Area -North Pit

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Ambient Noise Monitoring -Maldi Mines**	Sample Ref No – NL/2022/Noise/84/02	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	-	Sample Received date	-
Date of analysis completed	-	Testing Period	-
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Results of Measurement

Details	Monitoring Locations				
	NA-1	NA-2	NA-3	NA-4	NA-5
Standard Limit (CPCB)	**75.0 (day hours)**				
Observed Value (Day time)	58.5	59.6	50.5	54.5	43.9
Standard Limit (CPCB)	**70.0 (night hours)**				
Observed Value (night time)	34.1	36.6	31.3	32.8	29.4

***All values are in dB(A)**

Location Details:

- NA-1: Near Mine Office
- NA-2: Near Work shop
- NA-3: Near Crusher
- NA-4: Mine area -South Pit
- NA-5 : Mine Area -North Pit

For **M/s Nilawar Laboratories,**

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Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Work Place Noise Monitoring -Rawan Mines**	Sample Ref No – NL/2022/Noise/84/03	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Test Report
Workplace Noise Quality

S. N	Location	Norms	Sound Pressure Level Lp dB(A) (Hourly Average)
1	Loading Point-North pit	85.0	64.5
2	unloading point North Pit		66.4
3	Haul Road		63.6
4	At Crusher		67.5
5	At Drill Machine		72.6

Note: Secord Schedule, Factories Act {Chapterl04, Section 02(l) Factories {Noise)Regulations

For **M/s Nilawar Laboratories,**

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CIN No. U74140MH112009PTC196108

Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Work Place Noise Monitoring -Maldi Mines**	Sample Ref No – NL/2022/Noise/84/04	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Test Report
Workplace Noise Quality

S. N	Location	Norms	Sound Pressure Level Lp dB(A) (Hourly Average)
1	Loading Point-North pit	85.0	67.8
2	unloading point North Pit		69.7
3	Haul Road		68.6
4	At Crusher		52.5
5	At Drill Machine		75.6

Note: Secord Schedule, Factories Act {Chapterl04, Section 02(l) Factories {Noise)Regulations

For **M/s Nilawar Laboratories,**

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Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Fugitive Emission Monitoring -Rawan Mines**	Sample Ref No – NL/2022/FE/84/01	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	22.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Table: Results of Work Place Air Monitoring

S. N	Parameters	Permissible Limit	Results	
			WAQ-1	WAQ-2
1	Total Suspended Particulate Matter	500 µg/m^3	190.4	140.3

Where:

1. WAQ-1: At Crusher
2. WAQ-2: At Haul Road

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory)

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Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Fugitive Emission Monitoring -Maldi Mine**	Sample Ref No – NL/2022/FE/84/02	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	15.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	22.03.2022	Testing Period	06 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Table: Results of Work Place Air Monitoring

S. N	Parameters	Permissible Limit	Results	
			WAQ-1	WAQ-2
1	Total Suspended Particulate Matter	500 µg/m^3	176.4	122.8

Where:

1. WAQ-1: At Crusher
2. WAQ-2: At Haul Road

For **M/s Nilawar Laboratories,**

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CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	Report Date	05/04/2022
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Drinking water -Rawan Mines [Water cooler at Mine office]**	Sample Ref No – NL/2022/DW/0314/01	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	29.03.2022	Testing Period	07 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Analysis Report

S. N	Test Parameters	Unit	Norms**	Result	Test Method
1	Colour	Hazen Units	5/15	2.0	IS 3025 (Part4):1983 RA 2017 (Clause2.0),
2	Odour	--	Agreeable	Agreeable	IS 3025 (Part 6): 1983 RA 2017
3	pH value	--	6.5 to 8.5	8.37	IS 3025 (Part 11): 1983RA 2017 (Clause 2.0)
4	Taste	--	Agreeable	Agreeable	IS 3025 (Part 8): 1984 RA 2017
5	Turbidity	NTU	1/5	0.55	IS 3025 (Part 10): 1984RA 2017
6	Total Dissolved Solids	mg/l	500/2000	173.0	IS 3025 (Part 16): 1984RA 2017
7	Aluminum (as Al)	mg/l	0.03/0.2	<0.01	IS 3025 (Part 2): 2004 RA 2014
8	Ammonia (as Total- ammonia-N)	mg/l	0.5	<0.02	IS 3025 (Part 34): 1988RA 2014 (Clause 2.3)
9	Anionic Detergents (as MBAS)	mg/l	0.2/1.0	<0.1	IS 13428 (Annex K) : 2005 RA 2014
10	Barium (as Ba)	mg/l	0.7	<0.03	IS 3025 (Part 2): 2004 RA 2014
11	Boron (as B)	mg/l	0.5/1.0	0.001	IS 3025 (Part 2): 2004RA 2014
12	Calcium (as Ca)	mg/l	75/200	12.0	IS 3025 (Part 40): 1991 RA 2014(Clause 5.0)
13	Chloride (as Cl)	mg/l	250/1000	23.0	IS 3025 (Part 32): 1988RA 2014 (Clause 2.0)
14	Copper (as Cu)	mg/l	0.05/1.5	BDL	IS 3025 (Part 2): 2004 RA 2014
15	Fluoride (as F)	mg/l	1.0/1.5	0.121	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)
16	Free Residual Chlorine	mg/l	0.2/1.0	<0.1	IS 3025 (Part 26) 1986RA 2014
17	Iron (as Fe)	mg/l	1.0	BDL	IS 3025 (Part 2): 2004 RA 2014
18	Magnesium (as Mg)	mg/l	30/100	4.8	IS 3025 (Part 46): 1994 RA 2014(Clause 6.0)
19	Manganese (as Mn)	mg/l	0.1/0.13	<0.01	IS 3025 (Part 2): 2004 RA 2014
20	Nitrate (as NO_3)	mg/l	45	4.26	APHA -23rd Ed. -4500 (NO_3-) (B)
21	Mineral Oil	mg/l	0.5	<0.1	IS 3025(Part 39): 1991RA 2014
22	Phenolic Compounds or Phenol	mg/l	0.001	<0.001	IS 3025 (Part 43): 1992 RA 2014
23	Selenium (as Se)	mg/l	0.01	<0.001	IS 3025 (Part 2): 2004 RA 2014
24	Silver (as Ag)	mg/l	0.1	<0.03	IS 3025 (Part 2): 2004 RA 2014
25	Sulphate (as SO_4)	mg/l	200/400	23.5	APHA 23rd Ed. 4500 SO_4^{2-} (E)

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26	Sulphide (as H_2S)	mg/l	0.05	<0.01	IS 3025 (Part 29):2003 RA 2014
27	Total Alkalinity (as $CaCO_3$)	mg/l	200/600	80.0	IS 3025 (Part 23): 1986 RA 2014
28	Total Hardness (as $CaCO_3$)	mg/l	200/600	52.0	IS 3025 (Part 21):2009RA2014 (Clause 5.0)
29	Zinc (as Zn)	mg/l	5/15	BDL	IS 3025 (Part 2): 2004 RA 2014
30	Cadmium (as Cd)*	mg/l	0.003	<0.001	IS 3025 (Part 2): 2004 RA 2014
31	Lead (as Pb)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
32	Mercury (as Hg)	mg/l	0.001	<0.001	IS 3025 (Part 2): 2004 RA 2014
33	Nickel (as Ni)	mg/l	0.02	BDL	IS 3025 (Part 2): 2004 RA 2014
34	Total Arsenic (as As)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
35	Total Chromium (as Cr)	mg/l	0.05	<0.03	IS 3025 (Part 2): 2004RA 2014
36	Total Coliform Bacteria*	CFU/100 ml	Absent	Absent	APHA: 9222(B) 23rd Edition
37	Thermotolerant Coliform Bacteria*	CFU/100 ml	Absent	Absent	APHA: 9222(D) 23nd Edition

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory

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CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	Report Date	05/04/2022
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Drinking water -Rawan Mines [Rest Office mine field]**	Sample Ref No – NL/2022/DW/0314/02	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	29.03.2022	Testing Period	07 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Analysis Report

S. N	Test Parameters	Unit	Norms**	Result	Test Method
1	Colour	Hazen Units	5/15	2.0	IS 3025 (Part4):1983 RA 2017 (Clause2.0),
2	Odour	--	Agreeable	Agreeable	IS 3025 (Part 6): 1983 RA 2017
3	pH value	--	6.5 to 8.5	8.36	IS 3025 (Part 11): 1983RA 2017 (Clause 2.0)
4	Taste	--	Agreeable	Agreeable	IS 3025 (Part 8): 1984 RA 2017
5	Turbidity	NTU	1/5	0.57	IS 3025 (Part 10): 1984RA 2017
6	Total Dissolved Solids	mg/l	500/2000	175.0	IS 3025 (Part 16): 1984RA 2017
7	Aluminum (as Al)	mg/l	0.03/0.2	<0.01	IS 3025 (Part 2): 2004 RA 2014
8	Ammonia (as Total- ammonia-N)	mg/l	0.5	<0.02	IS 3025 (Part 34): 1988RA 2014 (Clause 2.3)
9	Anionic Detergents (as MBAS)	mg/l	0.2/1.0	<0.1	IS 13428 (Annex K) : 2005 RA 2014
10	Barium (as Ba)	mg/l	0.7	<0.03	IS 3025 (Part 2): 2004 RA 2014
11	Boron (as B)	mg/l	0.5/1.0	0.034	IS 3025 (Part 2): 2004RA 2014
12	Calcium (as Ca)	mg/l	75/200	11.5	IS 3025 (Part 40): 1991 RA 2014(Clause 5.0)
13	Chloride (as Cl)	mg/l	250/1000	22.0	IS 3025 (Part 32): 1988RA 2014 (Clause 2.0)
14	Copper (as Cu)	mg/l	0.05/1.5	BDL	IS 3025 (Part 2): 2004 RA 2014
15	Fluoride (as F)	mg/l	1.0/1.5	0.126	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)
16	Free Residual Chlorine	mg/l	0.2/1.0	<0.1	IS 3025 (Part 26) 1986RA 2014
17	Iron (as Fe)	mg/l	1.0	BDL	IS 3025 (Part 2): 2004 RA 2014
18	Magnesium (as Mg)	mg/l	30/100	4.6	IS 3025 (Part 46): 1994 RA 2014(Clause 6.0)
19	Manganese (as Mn)	mg/l	0.1/0.13	<0.01	IS 3025 (Part 2): 2004 RA 2014
20	Nitrate (as NO_3)	mg/l	45	4.20	APHA -23rd Ed. -4500 (NO_3-) (B)
21	Mineral Oil	mg/l	0.5	<0.1	IS 3025(Part 39): 1991RA 2014
22	Phenolic Compounds or Phenol	mg/l	0.001	<0.001	IS 3025 (Part 43): 1992 RA 2014
23	Selenium (as Se)	mg/l	0.01	<0.001	IS 3025 (Part 2): 2004 RA 2014
24	Silver (as Ag)	mg/l	0.1	<0.03	IS 3025 (Part 2): 2004 RA 2014
25	Sulphate (as SO_4)	mg/l	200/400	25.7	APHA 23rd Ed4500 SO_4^{2-} (E)

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26	Sulphide (as H_2S)	mg/l	0.05	<0.01	IS 3025 (Part 29):2003 RA 2014
27	Total Alkalinity (as $CaCO_3$)	mg/l	200/600	75.0	IS 3025 (Part 23): 1986 RA 2014
28	Total Hardness (as $CaCO_3$)	mg/l	200/600	48.0	IS 3025 (Part 21):2009RA2014 (Clause 5.0)
29	Zinc (as Zn)	mg/l	5/15	BDL	IS 3025 (Part 2): 2004 RA 2014
30	Cadmium (as Cd)*	mg/l	0.003	<0.001	IS 3025 (Part 2): 2004 RA 2014
31	Lead (as Pb)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
32	Mercury (as Hg)	mg/l	0.001	<0.001	IS 3025 (Part 2): 2004 RA 2014
33	Nickel (as Ni)	mg/l	0.02	BDL	IS 3025 (Part 2): 2004 RA 2014
34	Total Arsenic (as As)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
35	Total Chromium (as Cr)	mg/l	0.05	<0.03	IS 3025 (Part 2): 2004RA 2014
36	Total Coliform Bacteria*	CFU/100 ml	Absent	Absent	APHA: 9222(B) 23rd Edition
37	Thermotolerant Coliform Bacteria*	CFU/100 ml	Absent	Absent	APHA: 9222(D) 23rd Edition

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory

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Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Drinking water -Maldi Mines [Water Cooler -Mine office**	Sample Ref No – NL/2022/DW/0314/03	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	29.03.2022	Testing Period	07 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Analysis Report

S. N	Test Parameters	Unit	Norms**	Result	Test Method
1	Colour	Hazen Units	5/15	2.0	IS 3025 (Part4):1983 RA 2017 (Clause2.0),
2	Odour	--	Agreeable	Agreeable	IS 3025 (Part 6): 1983 RA 2017
3	pH value	--	6.5 to 8.5	8.17	IS 3025 (Part 11): 1983RA 2017 (Clause 2.0)
4	Taste	--	Agreeable	Agreeable	IS 3025 (Part 8): 1984 RA 2017
5	Turbidity	NTU	1/5	0.50	IS 3025 (Part 10): 1984RA 2017
6	Total Dissolved Solids	mg/l	500/2000	269.0	IS 3025 (Part 16): 1984RA 2017
7	Aluminum (as Al)	mg/l	0.03/0.2	<0.01	IS 3025 (Part 2): 2004 RA 2014
8	Ammonia (as Total- ammonia-N)	mg/l	0.5	<0.02	IS 3025 (Part 34): 1988RA 2014 (Clause 2.3)
9	Anionic Detergents (as MBAS)	mg/l	0.2/1.0	<0.1	IS 13428 (Annex K) : 2005 RA 2014
10	Barium (as Ba)	mg/l	0.7	<0.03	IS 3025 (Part 2): 2004 RA 2014
11	Boron (as B)	mg/l	0.5/1.0	0.021	IS 3025 (Part 2): 2004RA 2014
12	Calcium (as Ca)	mg/l	75/200	16.6	IS 3025 (Part 40): 1991 RA 2014(Clause 5.0)
13	Chloride (as Cl)	mg/l	250/1000	35.7	IS 3025 (Part 32): 1988RA 2014 (Clause 2.0)
14	Copper (as Cu)	mg/l	0.05/1.5	BDL	IS 3025 (Part 2): 2004 RA 2014
15	Fluoride (as F)	mg/l	1.0/1.5	0.108	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)
16	Free Residual Chlorine	mg/l	0.2/1.0	<0.1	IS 3025 (Part 26) 1986RA 2014
17	Iron (as Fe)	mg/l	1.0	BDL	IS 3025 (Part 2): 2004 RA 2014
18	Magnesium (as Mg)	mg/l	30/100	6.7	IS 3025 (Part 46): 1994 RA 2014(Clause 6.0)
19	Manganese (as Mn)	mg/l	0.1/0.13	<0.01	IS 3025 (Part 2): 2004 RA 2014
20	Nitrate (as NO_3)	mg/l	45	2.23	APHA -23rd Ed. -4500 (NO_3-) (B)
21	Mineral Oil	mg/l	0.5	<0.1	IS 3025(Part 39): 1991RA 2014
22	Phenolic Compounds or Phenol	mg/l	0.001	<0.001	IS 3025 (Part 43): 1992 RA 2014
23	Selenium (as Se)	mg/l	0.01	<0.001	IS 3025 (Part 2): 2004 RA 2014
24	Silver (as Ag)	mg/l	0.1	<0.03	IS 3025 (Part 2): 2004 RA 2014
25	Sulphate (as SO_4)	mg/l	200/400	33.1	APHA 23rd Ed4500-SO_4^{2-}- (E)

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26	Sulphide (as H_2S)	mg/l	0.05	<0.01	IS 3025 (Part 29):2003 RA 2014
27	Total Alkalinity (as $CaCO_3$)	mg/l	200/600	115.0	IS 3025 (Part 23): 1986 RA 2014
28	Total Hardness (as $CaCO_3$)	mg/l	200/600	69.0	IS 3025 (Part 21):2009RA2014 (Clause 5.0)
29	Zinc (as Zn)	mg/l	5/15	BDL	IS 3025 (Part 2): 2004 RA 2014
30	Cadmium (as Cd)*	mg/l	0.003	<0.001	IS 3025 (Part 2): 2004 RA 2014
31	Lead (as Pb)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
32	Mercury (as Hg)	mg/l	0.001	<0.001	IS 3025 (Part 2): 2004 RA 2014
33	Nickel (as Ni)	mg/l	0.02	BDL	IS 3025 (Part 2): 2004 RA 2014
34	Total Arsenic (as As)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
35	Total Chromium (as Cr)	mg/l	0.05	<0.03	IS 3025 (Part 2): 2004RA 2014
36	Total Coliform Bacteria*	CFU/100 ml	Absent	Absent	APHA: 9222(B) 23rd Edition
37	Thermotolerant Coliform Bacteria*	CFU/100 ml	Absent	Absent	APHA: 9222(D) 23rd Edition

For **M/s Nilawar Laboratories,**

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(Authorized Signatory

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CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	Report Date	05/04/2022
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Drinking water -Maldi Mines [- Water Cooler -Work shop]**	Sample Ref No – NL/2022/DW/0314/04	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	29.03.2022	Testing Period	07 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Analysis Report

S. N	Test Parameters	Unit	Norms**	Result	Test Method
1	Colour	Hazen Units	5/15	2.0	IS 3025 (Part4):1983 RA 2017 (Clause2.0),
2	Odour	--	Agreeable	Agreeable	IS 3025 (Part 6): 1983 RA 2017
3	pH value	--	6.5 to 8.5	8.12	IS 3025 (Part 11): 1983RA 2017 (Clause 2.0)
4	Taste	--	Agreeable	Agreeable	IS 3025 (Part 8): 1984 RA 2017
5	Turbidity	NTU	1/5	0.64	IS 3025 (Part 10): 1984RA 2017
6	Total Dissolved Solids	mg/l	500/2000	287.0	IS 3025 (Part 16): 1984RA 2017
7	Aluminum (as Al)	mg/l	0.03/0.2	<0.01	IS 3025 (Part 2): 2004 RA 2014
8	Ammonia (as Total- ammonia-N)	mg/l	0.5	<0.02	IS 3025 (Part 34): 1988RA 2014 (Clause 2.3)
9	Anionic Detergents (as MBAS)	mg/l	0.2/1.0	<0.1	IS 13428 (Annex K) : 2005 RA 2014
10	Barium (as Ba)	mg/l	0.7	<0.03	IS 3025 (Part 2): 2004 RA 2014
11	Boron (as B)	mg/l	0.5/1.0	0.004	IS 3025 (Part 2): 2004RA 2014
12	Calcium (as Ca)	mg/l	75/200	15.4	IS 3025 (Part 40): 1991 RA 2014(Clause 5.0)
13	Chloride (as Cl)	mg/l	250/1000	25.4	IS 3025 (Part 32): 1988RA 2014 (Clause 2.0)
14	Copper (as Cu)	mg/l	0.05/1.5	BDL	IS 3025 (Part 2): 2004 RA 2014
15	Fluoride (as F)	mg/l	1.0/1.5	0.178	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)
16	Free Residual Chlorine	mg/l	0.2/1.0	<0.1	IS 3025 (Part 26) 1986RA 2014
17	Iron (as Fe)	mg/l	1.0	BDL	IS 3025 (Part 2): 2004 RA 2014
18	Magnesium (as Mg)	mg/l	30/100		IS 3025 (Part 46): 1994 RA 2014(Clause 6.0)
19	Manganese (as Mn)	mg/l	0.1/0.13	<0.01	IS 3025 (Part 2): 2004 RA 2014
20	Nitrate (as NO_3)	mg/l	45	2.34	APHA -23rd Ed. -4500 (NO_3-) (B)
21	Mineral Oil	mg/l	0.5	<0.1	IS 3025(Part 39): 1991RA 2014
22	Phenolic Compounds or Phenol	mg/l	0.001	<0.001	IS 3025 (Part 43): 1992 RA 2014
23	Selenium (as Se)	mg/l	0.01	<0.001	IS 3025 (Part 2): 2004 RA 2014
24	Silver (as Ag)	mg/l	0.1	<0.03	IS 3025 (Part 2): 2004 RA 2014
25	Sulphate (as SO_4)	mg/l	200/400	37.0	APHA 23rd Ed. 4500 SO_4^{2-} (E)

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26	Sulphide (as H_2S)	mg/l	0.05	<0.01	IS 3025 (Part 29):2003 RA 2014
27	Total Alkalinity (as $CaCO_3$)	mg/l	200/600	155.0	IS 3025 (Part 23): 1986 RA 2014
28	Total Hardness (as $CaCO_3$)	mg/l	200/600	64.0	IS 3025 (Part 21):2009RA2014 (Clause 5.0)
29	Zinc (as Zn)	mg/l	5/15	BDL	IS 3025 (Part 2): 2004 RA 2014
30	Cadmium (as Cd)*	mg/l	0.003	<0.001	IS 3025 (Part 2): 2004 RA 2014
31	Lead (as Pb)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
32	Mercury (as Hg)	mg/l	0.001	<0.001	IS 3025 (Part 2): 2004 RA 2014
33	Nickel (as Ni)	mg/l	0.02	BDL	IS 3025 (Part 2): 2004 RA 2014
34	Total Arsenic (as As)	mg/l	0.01	<0.01	IS 3025 (Part 2): 2004 RA 2014
35	Total Chromium (as Cr)	mg/l	0.05	<0.03	IS 3025 (Part 2): 2004RA 2014
36	Total Coliform Bacteria*	CFU/100 ml	Absent	Absent	APHA: 9222(B) 23rd Edition
37	Thermotolerant Coliform Bacteria*	CFU/100 ml	Absent	Absent	APHA: 9222(D) 23rd Edition

For **M/s Nilawar Laboratories,**

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CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Waste water -Rawan Mines [Mine pit]**	Sample Ref No – NL/2022/WW/0316/01	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	28.03.2022	Testing Period	07 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Analysis Report

S. N	Test Parameters	Unit	Result	Test Method
1	pH value	--	8.33	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/L	12.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand	mg/L	3.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand	mg/L	16.0	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/L	0.10	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids*	mg/L	167.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl) *	mg/L	20.6	IS 3025 (Part 32): 1988 RA 2014
8	Sulphate (as SO_4) *	mg/L	13.0	APHA 23rd Ed - 4500 SO^{2-} (E)
9	Nitrate as NO3	mg/L	1.94	APHA 23rd Edition
10	Iron as Fe	mg/L	BDL	IS -3025 (Part -53)
11	Phenolic Compounds	mg/L	BDL	IS -3025 (Part -43)

For **M/s Nilawar Laboratories,**

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CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Waste water -Rawan Mines [Work shop effluent]**	Sample Ref No – NL/2022/WW/0316/02	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	28.03.2022	Testing Period	07 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Analysis Report

S. N	Test Parameters	Unit	Result	Test Method
1	pH value	--	8.08	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/L	5.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand	mg/L	7.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand	mg/L	24.0	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/L	0.45	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids*	mg/L	259.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl) *	mg/L	34.2	IS 3025 (Part 32): 1988 RA 2014
8	Sulphate (as SO_4) *	mg/L	68.4	APHA 23rd Ed - 4500 SO^{2-} (E)
9	Nitrate as NO3	mg/L	1.07	APHA 23rd Edition
10	Iron as Fe	mg/L	0.021	IS -3025 (Part -53)
11	Phenolic Compounds	mg/L	BDL	IS -3025 (Part -43)

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory

Note:

1. Authenticity of this report could be validated with office copy at Nilawar lab.
2. Any correction invalidates this report.

Off. : First Floor, 'Pratibha Sankul', Beside Alankar Cinema, Dharampeth, Nagpur - 10. Ph. : +91-712-2542261, 2542291, E-mail : nilawarlabs@gmail.com
Laboratory : At Km 16.5, Nilawar Motors Complex, Amravati Road, Waddhamna, Nagpur - 440 023. Mob. : +91-9922409055, 9552550955

Nilawar Laboratories
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ISO 14001:2015
ISO 45001:2018
NABL ACCREDITED LAB

CIN No. U74140MH112009PTC196108

Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Waste water -Maldi Mines [Mine Pit]**	Sample Ref No – NL/2022/WW/0316/03	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	28.03.2022	Testing Period	07 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Analysis Report

S. N	Test Parameters	Unit	Result	Test Method
1	pH value	--	8.10	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/L	30.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand	mg/L	12.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand	mg/L	32.0	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/L	0.20	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids*	mg/L	1036.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl) *	mg/L	59.2	IS 3025 (Part 32): 1988 RA 2014
8	Sulphate (as SO_4) *	mg/L	12.0	APHA 23rd Ed - 4500 SO^{2-} (E)
9	Nitrate as NO3	mg/L	5.34	APHA 23rd Edition
10	Iron as Fe	mg/L	BDL	IS -3025 (Part -53)
11	Phenolic Compounds	mg/L	0.004	IS -3025 (Part -43)

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory

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Report Outward No.	GE-NL/ACLB/2022/Mar/84	**Report Date**	**05/04/2022**
Name of Client	Ambuja Cements Limited [Unit-Bhatapara]	Address: Village-Rawan, Tehsil-Baloda Bazar, Dist. Bhatapara (C.G.)	
Sample Description	**Waste water -Maldi Mines [Mine dischreg -Rakesh Verma site]**	Sample Ref No – NL/2022/WW/0316/04	
Description of sample when received	NA	Quantity of sample	NA
Sample drawn by	Gyan Enviro	Sample collection date	16.03.2022
Date of Analysis started	22.03.2022	Sample Received date	19.03.2022
Date of analysis completed	28.03.2022	Testing Period	07 working days
Wo No. SAP PO No/Plant 2800883987/NE08, Dated 23rd February 2022			

Analysis Report

S. N	Test Parameters	Unit	Result	Test Method
1	pH value	--	8.45	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/L	4.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand	mg/L	2.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand	mg/L	8.0	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/L	0.10	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids*	mg/L	232.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl) *	mg/L	27.0	IS 3025 (Part 32): 1988 RA 2014
8	Sulphate (as SO_4) *	mg/L	19.0	APHA 23rd Ed - 4500 SO^{2-} (E)
9	Nitrate as NO3	mg/L	3.14	APHA 23rd Edition
10	Iron as Fe	mg/L	0.008	IS -3025 (Part -53)
11	Phenolic Compounds	mg/L	BDL	IS -3025 (Part -43)

For **M/s Nilawar Laboratories,**

Renuka Yadav
(Authorized Signatory

Note:

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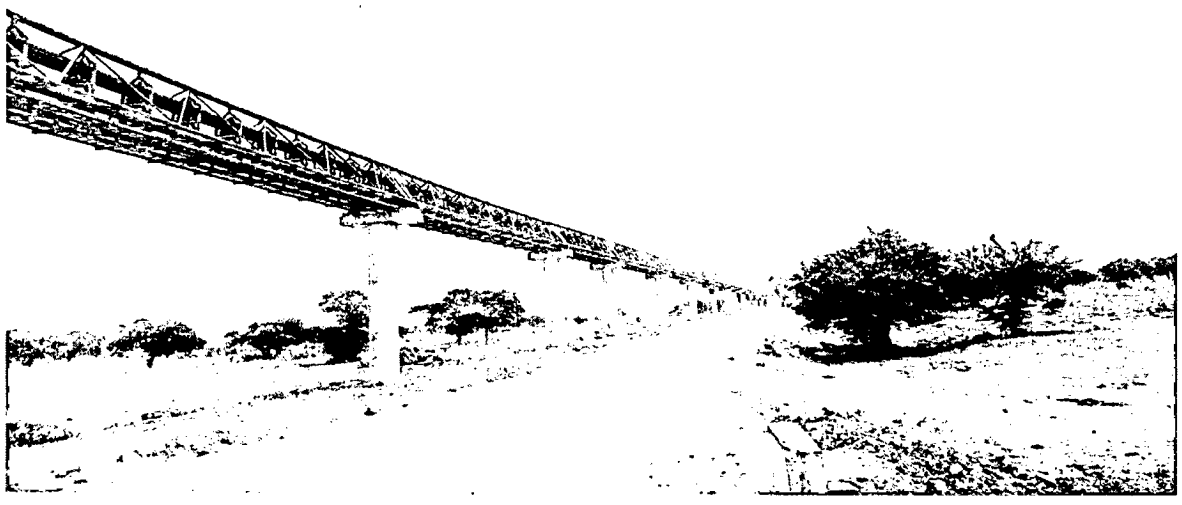
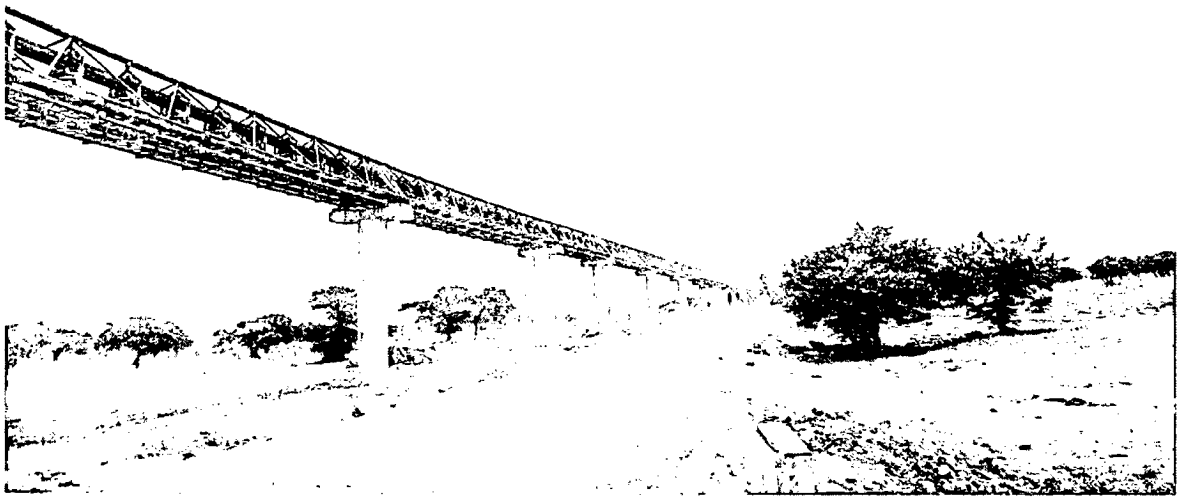
Annexue - 9





Typical View of Pipeline conveyor belt from Mine To Plant Project Site .

Annexure-II

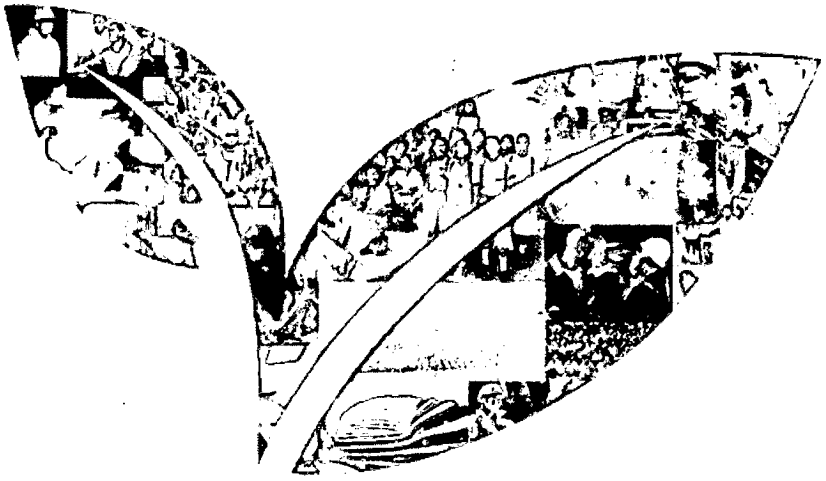
LAND OUTSEE STUDY & SOCIAL SURVEY OF THE CORE ZONE VILLAGES

OF

THE MALDI-MOPAR LIMESTONE MINING PROJECT

AT

Maldi, Mopar, Devrani,
Karmandih and Boirdih Villages, Baloda Bazar & Bhatapara Tehsil,
Baloda Bazar- Bhatapara District, Chhattisgarh



FOR

M/s. Ambuja Cements Limited

P.O-Rawan, Tehsil- Baloda Bazar,
Distt. Baloda Bazar- Bhatapara, Pincode :493331

PREPARED BY

SRUSHTI SEVA PRIVATE LTD.

"Bilvadal" 8, Janta Layout, Deendayal Nagar,
Nagpur (Maharashtra) - 440022
Landline : 0712 2971968
Email- srspl15@gmail.com, srushtisewa@yahoo.com

MARCH 2022

ACRONYMS

ARO	:	Assistant Resettlement Officer
AWC	:	Anganwadi Centre
BDO	:	Block Development Officer
BPL	:	Below Poverty Line
BSR	:	Basic Schedule Rates
DGM	:	Deputy General Manager
DP	:	Displaced Person
DF	:	Displaced Family
EA	:	Executing Agency
FGD	:	Focus group discussions
GoI	:	Government of India
GoC	:	Government of Chattisgarh
GP	:	Gram Panchayat
GRC	:	Grievance Redressal Committee
HIV/AIDS	:	Human Immunodeficiency virus / Acquired immunodeficiency syndrome
HH/s		Household/s
ICDS	:	Integrated Child Development Services
KII	:	Key Informant Interview
MTPA	:	Million Tonnes Per Annum
NGO	:	Non-Government Organization
NH	:	National Highway
NTH	:	Non-Title Holder
OBC	:	Other Backward Castes
PIA	:	Project Impact Area
PHC	:	Primary health centre
PMU	:	Project Monitoring Unit
RFCTLARR		Right to Fair Compensation and Transparency in Land Acquisition Resettlement and Rehabilitation
Rs	:	Rupee, Indian currency
R&R	:	Resettlement and Rehabilitation
RP	:	Resettlement Plan
SH	:	State Highway
SC	:	Scheduled Castes
ST	:	Scheduled Tribes
TH	:	Title Holder

INDEX

within stipulated time of issued public notice, then the collectorshall proceed to the purchase of land from land owner/possessor in favour of concerned Department (s) / Undertaking(s) / Institution (s) of State Government.

j. Within a period of one year from the date of receipt of written acceptance from land owner/possessor, the collector shall purchase the said land in favour of concerned Department(s) / undertaking(s) / Institution (s) of State Government and shall make the payment, to land owner(s) / possessor (s) of specified land/ cost of assets existed on it and additional grant amount.

k. Stamp duty Registration fee payable for the Registration of said land and other requisite expenses shall be borne by concerned Department/ undertaking / Institution.

l. The purchase of land under this policy shall be executed in the name of "Collector on behalf of Governor of Chhattisgarh" The Tehsildar Divisional Office Revenue of the concerned Region / area is hereby authorized to signon sale deed.

m. After the registration of purchase deed, the transfer of land shall be endorsed in Revenue records in favour of Govt. of Chhattisgarh. Wherein, the name concerned department/ undertaking / Institution shall also be endorsed. Such as Chhattisgarh Govt. water Resources. Department or Govt. of Chhattisgarh, Public Works Department etc.

n. After the purchase of land as above, if the project is withdrawn or become unsuccess, and because of this, this land becomes no more in need, thenthe land so purchased shall be handed over to revenue Department by concerned department/ undertaking / Institution. The land so handed over to Revenue Department may be allotted in future for any other government purpose or development projects etc.

o. In case of need of any government land given on lease for forming by Govt. for any project, the collector may, under this policy, examine the essentiality of lease and by evaluating the cost as like land of ownership and computing the amount of grant, the equivalent amount may be granted to lesser as grant on handing over of lease willingly by him.

Annexure 3:

Consent Form

Form A

Collector

Sl. No. **Date:**

Land Purchase Proposal

To
Sub: Proposal for purchasing land of your lien due to land requirement for the project ofPWD Chhattisgarh Road Project.

PWD, Chhattisgarh Government wants to buy your lien land because of the requirement of the land for the project of.....

Description of the Land and Asset

1. Detail of land (Khasra, Plot No., area, village and tehsilwith chouhaddi)	
2. Market value of the land calculated on the basis of the guideline issued by the collector for the year.....	
3. Detail of the real estate situated on the said land, ifany.	
4. Value calculated by the respective department of realestate.	
5. Total value (2+4)	
6. Solatium equivalent to the total value.	
7. Total proposed purchase price.	
8. Resettlement grant as 50% of compensation amount orRs. 5 Lacs whichever is less.	

According to the above details, the total market value of the land / plots held by you and the total assets on it are Rs. ..... .If you agree to sell in favor of the PWD, Chhattisgarh Government then in the form of the consideration, you will be given the value mentioned in the above given amount and the amount of solatium Rs... and resettlement grant Rs. .....total Rs.....is proposed to be given. It is expected that, in accordance with the above details, you submit your consent to sell the land/plot and the real estate located on it, in the "form B" attached with this proposal, in my office by yourself or through authorized representative, within 15 days of the receipt of the proposal, in the favor of PWD Chhattisgarh.
If the proposal is submitted on your behalf in "form B", then your lien land /plots with the real estate located on it will be bought in favour of PWD, Chhattisgarh Government for the subject project.

Upon receipt of your acceptance, a lien will be checked and if the land/plot is found in your clean lien, you have to execute a sales deed within 12 months. Payment will be madeat the time of execution of sale deed

Form B

Consent Letter

I/we..... s/o .....age.....year, permanent address.....tehsil district present address.....district ....., letter no. of Collector..... dated.....the land of my lien whose details are given in the schedule below, according to the proposal received by the Collector to the land for the project of the the compensation mentioned in the proposal with solatium Rs.....(in words.....)and equivalent resettlement grant, give acceptance for the sale.

2. I /we declare that the proposed land is in all my/our clean lien and there is no prevalence of any prejudice related to any court / authority concerning this land and the proposed land is free from all encumbrances.

3. Proposed land is not controversial

(If there is a dispute then its details should be given.)

Schedule

Land Details

Signature

Acceptor Landlord

Place..... Date

Witness:

.....

.....

Annexure-12, 12g

LANDUSE LANDCOVER CHANGE DETECTION (2018-19) - (2021-2022)

Based on Geospatial Technology

for

THE MALDI-MOPAR LIMESTONE MINING PROJECT

Maldi, Mopar, Devarani,
Karmandih and Boirdih Villages,
Baloda Bazar-Bhatapara District, Chhattisgarh
Project Area =553.65 Ha

Project Proponent

M/s. Ambuja Cements Limited .

P.O.-Rawan, Tehsil- Baloda Bazar,
Distt. Baloda Bazar- Bhatapara,
Pincode :493331

EIA Consultant

Srushti Seva Pvt. Ltd.

NABET Accredited
EIA Consultant Organization
Certificate No. NABET/EIA/1821/
SA 0107 Valid till 09/06/2022

April 2022

INDEX

TABLE

FIGURE

CHAPTER -1: INTRODUCTION

1.1 The Project & Project Proponent:

Ambuja Cements Ltd is India's foremost cement company known for its hassle-free, home-building solutions. Unique products tailor-made for Indian climatic conditions, sustainable operations and initiatives that advance the company's philosophy of contributing to the larger good of the society, have made it the most trusted cement brand in India.

Ambuja Cements Ltd., a member of Holcim - global leader in innovative and sustainable building solutions, is among the leading cement companies in India. Ambuja Cement has provided hassle-free, home-building solutions with its unique sustainable development projects and environment-friendly practices since it started operations. Currently, Ambuja Cement has a cement capacity of 31 million tonnes with ~~six~~ integrated cement manufacturing Plant at Six Locations and eight cement grinding units across the country.

The company has many firsts to its credit – a captive port with four terminals that has facilitated timely, cost-effective, cleaner shipments of bulk cement to its customers. To further add value to our customers, the company has launched innovative products like Ambuja Roof Special, Ambuja Cool Walls, Ambuja Kawach and Ambuja Cement Compocem. The new products not only fulfil important customer needs but also help in significantly reducing carbon footprints.

Ambuja Cement is the industry leader in responsible use of resources, both natural and man-made. The company has been certified over eight times water positive, a feat achieved through conservation efforts and increasing water efficiency in its plants. It is also plastic negative, by burning as much as over 75,000 tonnes of plastic waste in its kilns, equivalent to 2.5 times of total plastic used. The company also generated 7.1% of its power needs from renewable resources.

Sustainable profitable growth is ingrained in the company's DNA. Ambuja Cement's multi-pronged strategy, including triple bottom line accounting method; True Value; good corporate governance practices; overarching corporate environment policy; and sustainable

The Landuse Landcover change for the year 2019-2021 are provided in the table below of core Zone **Table 3.3.**

Table 3.3: Landuse /Landcover Change in Core Zone 2019-2021

LEVEL -I	Level -II	Level -III	% Area (2019)	Area in Ha (2019)	% Area (2021)	Area in Ha (2021)
Built-up	Residential		0	0	0.11	0.6
	Industrial Area		0.65	3.61	0.65	3.61
Agriculture Land	Crop Land	Kharif Land	8.3	45.94	9.10	50.36
		Rabi Crop	0.18	0.97	0.22	1.23
		Kharif+Rabi Crop	1.55	8.61	1.76	9.77
	Fallow Land		5.49	30.37	7.28	40.3
	Afforestation / Plantation		0.36	2.02	0.65	3.6
Forest	Very Dense Forest		0	0	0.00	0
	Dense Forest		0	0	0.00	0
	Open Forest		0	0	0.00	0
	Scrub Forest		0	0	0.00	0
Waste Land	Dense Scrub		1.39	7.71	1.57	8.71
	Open Scrub		77.02	426.41	70.91	392.61
Water Bodies	River/Nala/Canal		0	0	0.00	0
	Lake/Pond/Reservoir		1.28	7.08	1.28	7.08
	Mine Sump		0.12	0.67	0.02	0.11
Others	Excavated Are (Mining, Pits, Stone Quarry)		2.02	11.18	4.64	25.68
	Dump		0.66	3.64	0.66	3.64
	Safety Barrier/ Embankment		0.99	5.46	1.15	6.35
		Total	**100**	**553.65**	100.00	**553.65**

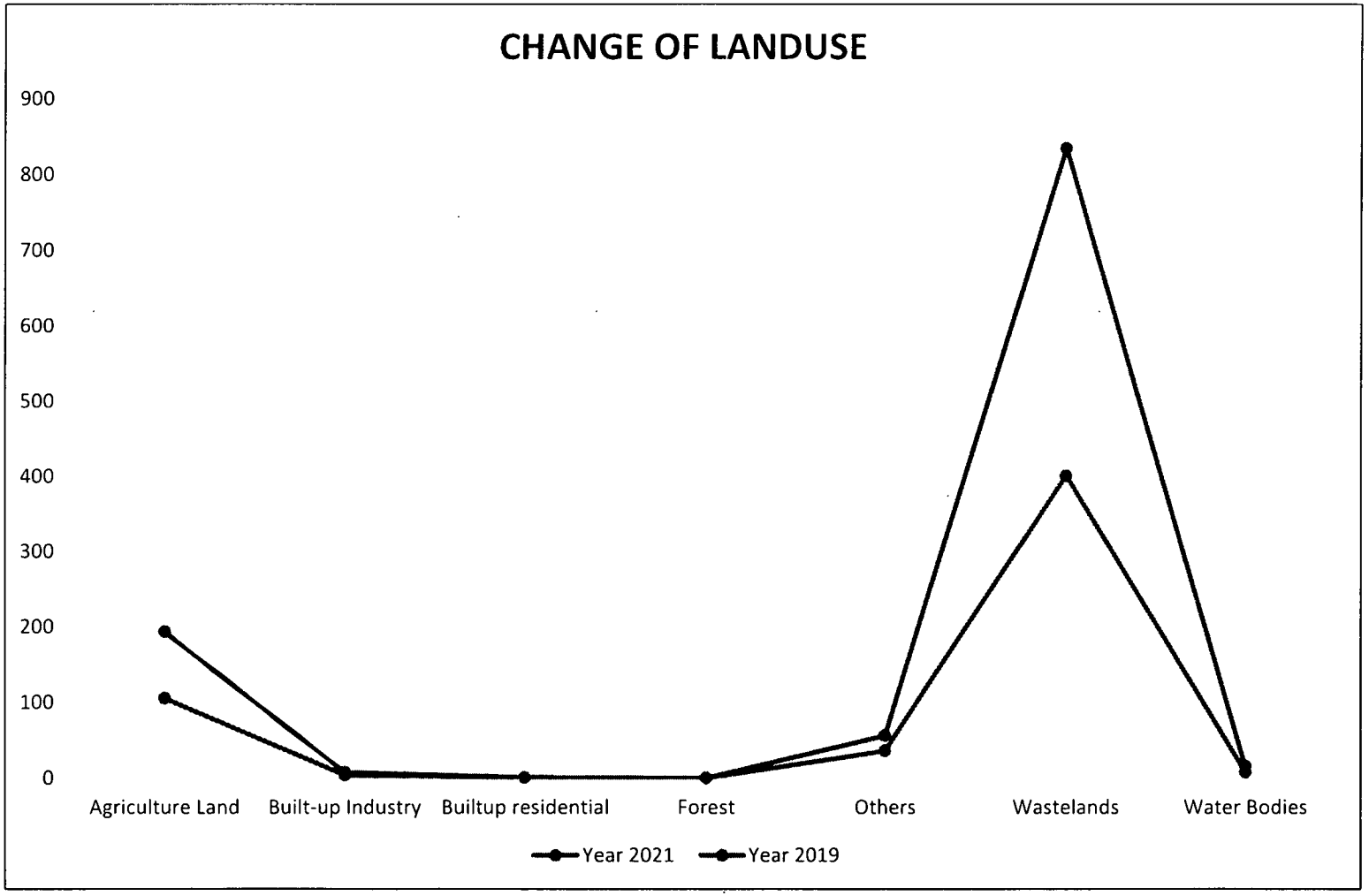


Figure 3.7: Landuse Landcover of 2019-2021

CHAPTER -4: CONCLUSION

The land use/cover assessment using satellite imagery provides reliable and accurate information, which is cost and time effective. It also offers a holistic view of large areas for better monitoring of land use/cover occurrence and distribution. Hence, satellite remote sensing and GIS techniques are useful tools for assessing the land use / land cover which is one of the important components for monitoring, planning and development of an area.

Based on the analysis of the two cycles of landuse landcover mapping for the specified years 2019 and 2021 spanning for a duration of 2 years, it can be concluded that the mining area is not impacting any major change on the surrounding ambient geo environment.

Since both the landuses have been carried out with single season satellite imagery, the cropland and fallow area statistics show certain variations. However, the total agricultural area does not show any remarkable increase or decrease.

The mining area statistics also show alterations in the intermittent categories namely active mine, Mining area and water stored in the excavations.

The plantation surrounding the ML areas are predominantly visible with the bright red tone and texture indicating well-maintained green belt surrounding the mine area.

The other relevant landuse landcover classes like water, canal, built up, etc. mapped in 2021 are in tune with the 2019 stature and do not show any major change.

The Plantation in the Core Zone has increased from 2.02 % to 3.6 % while plantation is also increased from 0.7 % to 0.78 % in buffer zone during the 2019 to 2021Landuse change detection study.

The indicates incremental green belt within core Zone as well as within buffer Zone area. The efforts for development of plantation and its maintenance results in such incremental growth.

##########

Annexure – 13

Typical View of Medical Checkup being Done

														Pulmonary Function Test			
	Name of beneficiary	Name of village	Age	Sex	Educa	Occu	Weight	Height	BMI	Temperature	Blood Pressure	Heart Beat	Blood Glucose	FVC	FEV1	PEFR	Date
1	Jagannath Khute	Karmandi	44	M			44 kg	151cm	19	36.3 C	97/57	66 bpm	125	144	100	137.4	24.02.22
2	Shanti Khute	Karmandi	50	F			50 kg	142 cm	24	36.7 C	123/78	92 bpm	95	129.9	136	89.2	24.02.22
3	Keshav	Karmandi	36	M			65 kg	158 cm	26	35.7 C	136/92	94 bpm	75	122	100	125	24.02.22
4	Manoj Kumar Verma	Karmandi	38	M			70 kg	169 cm	24	36.4 C	131/87	91 bpm	124	126	163.2	90.3	24.02.22
5	Meena Tandon	Karmandi	35	F			45 kg	145 cm	21	36.5 C	117/78	78 bpm	99	107.2	128.7	76.7	24.02.22
6	Sunita Khute	Karmandi	38	F			42 kg	144 cm	20	36.4 C	110/75	103 bpm	100	110	100	113.7	24.02.22
7	Vrihaspati Khute	Karmandi	39	F			49 kg	148 cm	22	34.7 C	107/66	76 bpm	110	117.5	132	73.2	24.02.22
8	Soniya Khute	Karmandi	48	F			74 kg	151 cm	32	36.6 C	165/105	88 bpm	115	122.8	154.8	101.2	24.02.22
9	Santram Baghel	Karmandi	45	M			55 kg	164 cm	20	36.4 C	121/71	94 bpm	88	146.4	149	69.2	24.02.22
10	Sunita Verma	Karmandi	42	F			50 kg	150 cm	22	36.6 C	161/93	85 bpm	107	117.9	100	116.7	24.02.22
11	Seema Verma	Karmandi	38	F			65 kg	160 cm	25	36.6 C	122/90	106 bpm	116	122.8	134.2	68.9	24.02.22
12	Lalita Tandon	Karmandi	33	F			45 kg	150 cm	20	36.4 C	104/71	73 bpm	104	92.5	103.7	57.8	24.02.22
13	Mala	Karmandi	38	F			76 kg	153 cm	32	36.3 C	128/76	96 bpm	131	105.1	126.6	83.1	24.02.22
14	Amar Bai	Karmandi	50	F			47 kg	150 cm	20	36.2 C	114/77	86 bpm	99	81.9	100	100.4	24.02.22
15	Amardas Khute	Karmandi	50	M			44 kg	150 cm	19	36.2 C	167/103	114 bpm	100	86.5	74.4	91.1	24.02.22
16	Salim Mahilge	Karmandi	20	M			54 kg	160 cm	21	36.6 C	118/78	101 bpm	107	125.3	114	115.1	24.02.22
17	Premsagar	Karmandi	40	M			75 kg	164 cm	27	36.4 C	116/86	83 bpm	285	133	161	85.5	24.02.22
18	Dinesh	Karmandi	35	M			67 kg	160 cm	26	36.6 C	121/76	83 bpm	123	203.8	136	263.8	24.02.22
19	Kashi Ram	Karmandi	47	M			47 kg	160 cm	18	36.3 C	109/81	91 bpm	94	144.9	176.3	106.9	24.02.22
20	Dhaneswari Mahilage	Karmandi	40	F			51 kg	150 cm	22	36.2 C	111/74	90 bpm	108	153.7	141.6	307.1	24.02.22
21	Neera Chaturvedi	Karmandi	48	F			80 kg	147 cm	37	36.5 C	115/77	81 bpm	246	83	100	75.3	24.02.22
22	Kumari Grithlehre	Karmandi	50	F			63 kg	142 cm	31	36.2 C	148/83	106 bpm	252	126.6	143.9	64.5	24.02.22
23	Vishram Grithlehre	Karmandi	90	M			42 kg	155 cm	17	36.4 C	135/71	73 bpm	134	134.9	100	131.8	24.02.22
24	Rupatin Khute	Karmandi	70	F			40 kg	146 cm	18	36.3 C	116/58	83 bpm	135	92.7	100	158.9	24.02.22
25	Chander Bai	Karmandi	62	F			50 kg	150 cm	22	36.5 C	148/82	84 bpm	122	79.1	100	145	24.02.22
26	Bisahu	Karmandi	76	M			60 kg	168 cm	21	36.4 C	170/82	80 bpm	126			Done	24.02.22
27	Sita Bai	Karmandi	51	F			60 kg	152 cm	25	36.5 C	139/86	103 bpm	110	76.4	89.7	58	24.02.22
28	Son bai	Karmandi	76	F			56 kg	144 cm	27	36.1 C	179/94	87 bpm	139	94.3	147.5	88.9	24.02.22
29	Babudas	Karmandi	60	M			48 kg	159 cm	18	36.3 C	204/106	94 bpm	303	152.8	206.3	155	24.02.22
30	Kesh bai	Karmandi	65	F			86 kg	158 cm	34	36.2 C	181/97	95 bpm	269	59.7	75.7	48.8	24.02.22
31	Ramayan Jangde	Karmandi	55	F			55 kg	150 cm	24	36.5 C	108/69	80 bpm	238	119.7	98.8	130.5	24.02.22
32	Gunman Khute	Karmandi	70	F			42 kg	137 cm	22	35.7 C	97/62	52 bpm	111	40.4	100	48.4	24.02.22
33	Dhanesh Tandon	Karmandi	61	M			59 kg	160 cm	23	36.4 C	162/69	77 bpm	132	63.1	83.9	54.7	24.02.22
34	Bhagwati	Karmandi	60	M			64 kg	160 cm	25	34.8 C	151/95	95 bpm	137			Done	24.02.22
35	Bhagirath	Karmandi	60	M			45 kg	153 cm	19	35.2 C	116/69	98 bpm	94	116.2	62.1	53.8	24.02.22
36	Sadhan bai	Karmandi	62	F			45 kg	154 cm	18	36 C	138/87	95 bpm	101	109	154	93.7	24.02.22
37	Sushila Satnami	Karmandi	52	F			42 kg	144 cm	20	35.7 C	119/80	92 bpm	146	114.9	65.4	83.8	24.02.22
38	Bishat Satnami	Karmandi	62	F			50 kg	156 cm	20	34.7 C	139/94	78 bpm	113	127	100	168.4	24.02.22
39	Fuliya Bai	Karmandi	66	F			37 kg	138 cm	19	36.4 C	128/83	94 bpm	96	145.5	197	167.8	24.02.22

40	Revaram	Karmandi	52	M			63 kg	164 cm	23	36.5 C	140/87	94 bpm	102	131.4	174	88.9	24.02.22
41	Bholu Ram	Karmandi	55	M			60 kg	161 cm	23	36.5 C	139/86	61 bpm	87	113.6	152.9	102	24.02.22
42	Prabhuram	Karmandi	55	M			44 kg	150 cm	19	36.3 C	134/85	79 bpm	111	114.5	100	162.1	24.02.22
43	RadhaBai	Karmandi	55	F			82 kg	150 cm	36	36.4 C	142/86	104 bpm	296	85.5	100	142.5	24.02.22
44	Nanheram Purena	Karmandi	60	M			75 kg	155 cm	31	36.2 C	142/82	109 bpm	202	205.7	183.1	304.5	24.02.22
45	Sobharam	Karmandi	70	M			65 kg	164 cm	24	36.3 C	125/74	60 bpm	169	159.1	100	83.6	24.02.22
46	Vikram Mahilage	Karmandi	14	M			59 kg	154 cm	24	35.1 C	137/76	97 bpm	NA	168.9	138.7	84.4	24.02.22
47	Keja Bai	Karmandi	55	F			48 kg	150 cm	21	35.2 C	138/80	98 bpm	135	121.1	149.1	99.3	24.02.22
48	Neena Tandon	Karmandi	52	F			57 kg	158 cm	22	36.4 C	144/86	103 bpm	127	107.2	128.7	76.7	24.02.22
49	Prabhu Dayal Yadu	Sarkipar	44	M	2th pas	Farme	69 kg	166 cm	25	36.5 C	121/89	79 bpm	94	199.1	228.2	139	28.02.22
50	Dewa Jangde	Sarkipar	22	M	7th pas	Driver	42 kg	150 cm	18	36.6 C	118/59	96 bpm	100	187.4	205.5	157.3	28.02.22
51	Samokhan Banjare	Sarkipar	40	M	5th pas	Farme	72 kg	150.5 cm	32	36.2 C	121/86	102 bpm	120	124.3	131.7	95	28.02.22
52	Santosh Kumar Sahu	Sarkipar	38	M	5th pas	Labou	47 kg	160.5 cm	18	36.6 C	126/80	79 bpm	138	176.3	152.7	78.7	28.02.22
53	Rajkumari Banjare	Sarkipar	33	F	8th pas	Maid	55 kg	160.1 cm	21	36.8 C	116/76	83 bpm	103	160.4	165.4	102.5	28.02.22
54	Malikram banjare	Sarkipar	40	M	8th pas	Farme	54 kg	160.5 cm	21	36.4 C	176/104	79 bpm	360	159.9	200.8	147	28.02.22
55	Hariyana Bai Banjare	Sarkipar	35	F	NA	Labou	60 kg	150.5 cm	26	36.7 C	136/94	86 bpm	183	208.7	217.8	129.4	28.02.22
56	Vijay Kumar Sahu	Sarkipar	36	M	8th pas	Farme	86 kg	160.5 cm	33	36.5 C	149/90	111bpm	104	204.1	229	179.6	28.02.22
57	Ramkali Banjare	Sarkipar	50	F	NA	Farme	60 kg	150 cm	26	36.3 C	187/100	75 bpm	121	130.8	161.1	91.1	28.02.22
58	Bhuneswari Sahu	Sarkipar	45	F	5th pas	Mitani	42 kg	140.5 cm	21	36.6 C	130/79	91 bpm	150	117.2	139	106.2	28.02.22
59	Sunita Sahu	Sarkipar	29	F	9th pas	ousew	55 kg	150.4 cm	24	36.6 C	105/74	76 bpm	93	182.5	212.2	148.7	28.02.22
60	Santoshi Tandon	Sarkipar	23	F	9th pas	Farme	52 kg	150.6 cm	23	36.7 C	96/58	93 bpm	103	120.2	100	135.2	28.02.22
61	Kavita Tandon	Sarkipar	22	F	8th pas	ousew	40 kg	140.7 cm	20	36.6 C	108/63	80 bpm	106	140.3	144.7	115.5	28.02.22
62	Kunti banjare	Sarkipar	35	F	5th pas	Farme	55 kg	150.7 cm	24	36.6 C	120/82	94 bpm	122	91.3	98.1	64.5	28.02.22
63	Kewra Bai Manikpuri	Sarkipar	48	F	NA	Farme	60 kg	140.5 cm	30	36.6 C	172/125	100 bpm	164	128.5	153.7	141.8	28.02.22
64	Manisha Sahu	Sarkipar	35	F	2th pas	amstr	40 kg	140.3 cm	20	36.5 C	101/59	103 bpm	NA	107.6	100	106.3	28.02.22
65	Kalyani Sahu	Sarkipar	30	F	0th pas	NA	44 kg	140.9 cm	22	36.6 C	134/82	78 bpm	117	124.7	100	114.6	28.02.22
66	Radha Satnami	Sarkipar	45	F	NA	Farme	50 kg	150 cm	22	36.7 C	111/71	90 bpm	109	89	114.1	101.4	28.02.22
67	Kumari Banjare	Sarkipar	40	F	NA	Farme	43 kg	140.7 cm	21	36.6 C	120/66	90 bpm	123	156.2	169.1	122.5	28.02.22
68	Uttara Sahu	Sarkipar	28	F	2th pas	Farme	45 kg	150 cm	20	36.7 C	108/66	88 bpm	102	139.3	100	114.5	28.02.22
69	Mithla Dhru	Sarkipar	26	F	2th pas	ousew	40 kg	150.8 cm	17	36.6 C	114/73	115 bpm	116	115.6	100	82.7	28.02.22
70	Pushpa Sahu	Sarkipar	25	F	2th pas	Farme	41 kg	150.4 cm	18	36.8 C	106/61	97 bpm	116	130	100	128.5	28.02.22
71	Santrabai Satnami	Sarkipar	56	F	NA	NA	55 kg	150 cm	24	36.7 cm	128/85	91 bpm	132	125.2	100	160.7	28.02.22
72	Amarnath Jangde	Sarkipar	52	M	4th pas	Farme	45 kg	160 cm	17	36.5 cm	138/87	98 bpm	105	185	214.1	160.1	28.02.22
73	Soniya Sahu	Sarkipar	52	F	NA	Farme	29 kg	140 cm	14	36.7 C	90/70	92 bpm	271			Done	28.02.22
74	Jagatram Banjare	Sarkipar	62	M	3rd pas	Farme	70 kg	150 cm	31	36.5 C	151/84	93 bpm	91	179.1	231.8	193.5	28.02.22
75	Sonbati Sahu	Sarkipar	56	F	8th pas	Farme	43 kg	140 cm	21	36.4 C	144/96	93 bpm	102	203.5	260	118.3	28.02.22
76	Sondas Lehre	Sarkipar	65	M	NA	NA	51 kg	160 cm	19	36.4 C	140/85	83 bpm	129	88.6	117.9	83.8	28.02.22
77	Shyamlal Tandon	Sarkipar	75	M	NA	NA	56 kg	155 cm	23	36.5 C	114/64	99 bpm	75	97.3	139.6	66.5	28.02.22
78	Bisahin Bai Sahu	Sarkipar	55	F	NA	abour	48 kg	150.6 cm	21	36.6 C	132/80	74 bpm	111	143.4	100	125	28.02.22
79	Sevti Bai Sahu	Sarkipar	60	F	NA	NA	49 kg	140 cm	25	36.5 C	115/75	107 bpm	211	153.9	194.2	151.9	28.02.22
80	Fulchand Satnami	Sarkipar	70	M	NA	NA	52 kg	150.6 cm	23	36.6 C	167/90	78 bpm	113	136.3	100	220.8	28.02.22

81	Samokhan Satnami	Sarkipar	75	M	NA	NA	40 kg	150.5 cm	17	36.4 C	105/77	93 bpm	141	88.5	128.8	56	28.02.22
82	Jamun Bai Satnami	Sarkipar	65	F	NA	NA	35 kg	140 cm	17	36.6 C	105/60	73 bpm	127	211.5	100	200.9	28.02.22
83	Rabha Bai Satnami	Sarkipar	66	F	NA	NA	38 kg	140.5 cm	19	36.5 C	153/78	95 bpm	126	171.4	213.9	163.7	28.02.22
84	Lalatin Bai Satnami	Sarkipar	62	F	NA	NA	41 kg	140 cm	20	36.6 C	134/83	83 bpm	103	244.7	306	124.9	28.02.22
85	Dularbai Banjare	Sarkipar	62	F	5th pas	Farme	47 kg	130.5 cm	27	36.6 C	171/99	83 bpm	103	173.8	230	117.4	28.02.22
86	Sukalhin Bai Dhru	Sarkipar	60	F	NA	abour	50 kg	150 cm	22	36.5 C	128/78	83 bpm	134	138.4	172.8	71.4	28.02.22
87	Ganga Bai Dhru	Sarkipar	57	F	NA	abour	34 kg	150 cm	15	36.6 C	137/83	82 bpm	104	121	100	119.9	28.02.22
88	Premin Bai Dhru	Sarkipar	55	F	5th pas	NA	59 kg	160.1 cm	23	36.6 C	153/93	76 bpm	126	119.5	163.1	89	28.02.22
89	Santra Bai Banjare	Sarkipar	55	F	5th pas	abour	56 kg	140.3 cm	28	36.7 C	127/82	96 bpm	120	125.2	100	160.7	28.02.22
90	Hiru Ram Sahu	Sarkipar	62	M	NA	Farme	50 kg	160.2 cm	19	36.7 C	183/109	75 bpm	102	163.6	215.2	152.8	28.02.22
91	Gomti Bai Tandon	Sarkipar	58	F	NA	Farme	51 kg	140.3 cm	26	36.6 C	117/72	89 bpm	120	114.9	148	95.7	28.02.22
92	Chaitu Ram	Sarkipar	52	M	NA	NA	60 kg	160 cm	23	36.6 C	192/107	78 bpm	104	229.6	295.5	157.1	28.02.22
93	Prati Ram Dhru	Sarkipar	59	M	NA	NA	65 kg	160.7 cm	25	36.5 C	140/93	100 bpm	122	197.5	211.2	115.6	28.02.22
94	Kartik Ram Dhru	Sarkipar	76	M	0th pas	NA	40 kg	160.5 cm	15	36.6 C	131/83	80 bpm	136	149.6	204.4	151.6	28.02.22
95	Aatma Ram Sahu	Sarkipar	59	M	8th pas	Farme	45 kg	160.2 cm	17	36.7 C	116/73	81 bpm	92	180	78.2	167.4	28.02.22
96	Punit Ram Sahu	Sarkipar	60	M	0th pas	Farme	45 kg	160.1 cm	17	36.7 C	147/92	83 bpm	89	164.8	211.8	129.3	28.02.22
97	Binda Bai Sahu	Sarkipar	60	F	NA	Farme	50 kg	150 cm	22	36.4 C	156/82	77 bpm	143	149.3	166.5	78.8	28.02.22
98	Panchan Bai Jangde	Sarkipar	55	F	NA	Farme	45 kg	140 cm	22	37.0 C	150/90	101 bpm	108	139.1	169.7	82	28.02.22
99	Bharti Rajak	Mudhipar	36	F	2th pas	lth wo	60 kg	150 cm	26	36.6 C	115/68	84 bpm	113	185.5	208.5	139.7	04.03.22
100	Sumanlal Dhru	Mudhipar	39	M	8th pas	Farme	55 kg	150.8 cm	24	36.6 C	128/88	58 bpm	108	193.4	100	186.6	04.03.22
101	Bharatlal Verma	Mudhipar	38	M	8th pas	Farme	48 kg	160 cm	18	36.3 C	139/75	96 bpm	92	209	198.4	90	04.03.22
102	Aarohi Rajak	Mudhipar	45	F	NA	Farme	54 kg	140.4 cm	27	36.6 C	157/105	95 bpm	322	238.5	285.7	206	04.03.22
103	Shivbati Rajak	Mudhipar	43	F	7th pas	Farme	45 kg	140 cm	22	36.3 C	161/62	77 bpm	94	123.1	100	130.5	04.03.22
104	Ishwarkumar Rajak	Mudhipar	32	M	9th pas	Farme	65 kg	170.6 cm	22	36.6 C	117/66	71 bpm	100	146.2	186.1	115.4	04.03.22
105	Rahi Dhru	Mudhipar	30	F	5th pas	Farme	35 kg	140.6 cm	17	36.7 C	106/67	88 bpm	123	113.2	100	130.2	04.03.22
106	Malti Rajak	Mudhipar	50	F	NA	Farme	50 kg	150.9 cm	22	36.6 C	96/65	95 bpm	134	112.7	124.4	59.5	04.03.22
107	Girja Rajak	Mudhipar	25	F	2th pas	Farme	50 kg	150 cm	22	36.4 C	102/70	91 bpm	104	156.6	100	148.1	04.03.22
108	Ramkumari Verma	Mudhipar	30	F	7th pas	Farme	40 kg	140.8 cm	20	36.4 C	100/73	103 bpm	101	226.5	188.8	89.1	04.03.22
109	Yogmaya Rajak	Mudhipar	25	F	B. Com	SHG	75 kg	150 cm	33	36.6 C	108/72	94 bpm	109	145.7	166.5	135.9	04.03.22
110	Krishna Kumar	Mudhipar	48	M	B. SC	Farme	70 kg	160.5 cm	27	36.7 C	167/110	92 bpm	192	135.4	177.8	121.1	04.03.22
111	Tijhanbai Dhru	Mudhipar	40	F	NA	Farme	50 kg	140.4 cm	25	36.7 C	131/83	110 bpm	117	220.9	267.3	168.4	04.03.22
112	Rukmani Dhru	Mudhipar	26	F	0th pas	Farme	45 kg	140.7 cm	22	36.6 C	113/78	100 bpm	133	120.6	123.8	130.5	04.03.22
113	Roshan Verma	Mudhipar	23	M	2th pas	NA	54 kg	160 cm	21	36.6 C	130/65	89 bpm	130	192.8	222.6	139.7	04.03.22
114	Tijuram Yadav	Mudhipar	50	M	NA	Farme	50 kg	140.3 cm	25	36.6 C	140/71	73 bpm	112	230.6	100	179.4	04.03.22
115	Tikendra Dhru	Mudhipar	23	M	Graduat	NA	50 kg	162 cm	19	36.6 C	119/49	84 bpm	108	188.1	213.8	183.5	04.03.22
116	Jyoti Dhru	Mudhipar	27	F	NA	Farme	47 kg	152 cm	20	36.9 C	106/78	101 bpm	85	131.9	154.8	125.6	04.03.22
117	Usha Verma	Mudhipar	25	F	0th pas	Farme	45 kg	140 cm	22	36.4 C	120/78	96 bpm	85	171.2	182.5	110.7	04.03.22
118	Lakshmi Rajak	Mudhipar	30	F	8th pas	Farme	70 kg	156 cm	28	36.1 C	121/25	102 bpm	70	123.3	151.6	146.5	04.03.22
119	Dhaneswari Rajak	Mudhipar	19	M	2 th pas	NA	62 kg	166 cm	22	36.6 C	129/91	60 bpm	96	150.1	166.6	125.6	04.03.22
120	Fulbai Dhru	Mudhipar	30	F	NA	Farme	38 kg	142 cm	18	36.5 C	109/62	85 bpm	106	131.7	135.6	112.1	04.03.22
121	Prembai Rajak	Mudhipar	34	F	NA	Farme	50 kg	154 cm	21	36.7 C	102/80	74 bpm	95	193	201.3	95.5	04.03.22

122	Suman Dhru	Mudhipar	24	F	9th pas	Farme	40 kg	149 cm	18	36.4 C	108/75	85 bpm	86	142.5	158.9	167	04.03.22
123	Karuna Rajak	Mudhipar	24	F	and P	NA	43 kg	150 cm	19	36.6 C	112/71	98 bpm	120	167.9	100	112.3	04.03.22
124	Mamta Rajak	Mudhipar	23	F	0th pas	NA	43 kg	160 cm	16	36.4 C	98/63	107 bpm	106	133	100	130.9	04.03.22
125	Jawantin Bai Verma	Mudhipar	47	F	NA	Farme	47 kg	140 cm	23	36.7 C	97/46	81 bpm	92			Done	04.03.22
126	Dukhni Rajak	Mudhipar	48	F	NA	Farme	45 kg	149 cm	20	36.6 C	161/87	95 bpm	115	93.6	74	30.8	04.03.22
127	Rukmani Verma	Mudhipar	50	F	NA	Farme	47 kg	140 cm	23	36.4 C	117/75	93 bpm	101	160.7	100	144.5	04.03.22
128	Kumari bai Yadav	Mudhipar	50	F	NA	Farme	40 kg	140.7 cm	20	36.2 C	94/55	91 bpm	83	209.3	222.4	132.6	04.03.22
129	Bahurabai Verma	Mudhipar	62	F	NA	Farme	37 kg	150 cm	16	37.1 C	134/85	99 bpm	101	81.9	100	71	04.03.22
130	Milan Rajak	Mudhipar	35	F	8th pas	Mitani	73 kg	154 cm	30	37.0 C	106/70	91 bpm	97	167.6	183.2	141.6	04.03.22
131	Tuleswari Dhurandhar	Mudhipar	45	F	Ph.D	eache	87 kg	152.4 cm	37	36.6 C	114/73	99 bpm	185	122	126.2	58.9	04.03.22
132	Fuleswari Verma	Mudhipar	45	F	NA	Farme	55 kg	160 cm	21	37.6 C	106/65	82 bpm	150	233.1	241	123.3	04.03.22
133	Durga Dhru	Mudhipar	45	F	Graduat	eache	55 kg	152 cm	23	36.6 C	112/71	94 bpm	100	193.5	174.3	73.2	04.03.22
134	Pyari Dhru	Mudhipar	38	F	Graduat	eache	87 kg	152 cm	37	36.6 C	125/89	94 bpm	126	174.4	164.6	78.4	04.03.22
135	Kamalnarayan Verma	Mudhipar	45	M	Graduat	eache	63 kg	165 cm	23	36.8 C	136/85	92 bpm	115	205.2	254.7	172.8	04.03.22
136	Rajmatbai Verma	Mudhipar	62	F	NA	Farme	30 kg	142 cm	14	37.1 C	135/63	96 bpm	97	129.4	163	91	04.03.22
137	Dehin Bai Yadav	Mudhipar	53	F	NA	Farme	40 kg	140 cm	20	36.7 C	141/93	107 bpm	97			Done	04.03.22
138	Budhram Verma	Mudhipar	65	M	NA	Farme	42 kg	160 cm	16	36.4 C	135/79	84 bpm	120	173.5	248.9	142.4	04.03.22
139	Dukhya Bai	Mudhipar	55	F	NA	Farme	39 kg	146 cm	18	36.7 C	105/94	105 bpm	102	172.8	194.8	140.2	04.03.22
140	Dulari bai Rajak	Mudhipar	65	F	3rd std	Farme	50 kg	150 cm	22	36.7 C	148/87	80 bpm	104	167.1	220.4	166.6	04.03.22
141	Mantoriya Verma	Mudhipar	60	F	NA	Farme	39 kg	145 cm	18	36.6 C	135/80	89 bpm	87	161.5	130.7	69.3	04.03.22
142	Sumeri Dhru	Mudhipar	65	M	NA	Farme	40 kg	156 cm	16	36.2 C	172/101	96 bpm	45	60.7	62.7	46.4	04.03.22
143	Sundar Bai Rajak	Mudhipar	60	F	NA	Farme	46 kg	143 cm	22	36.4 C	104/63	125 bpm	112	251.9	278	189.2	04.03.22
144	Shobharam Verma	Mudhipar	70	M	NA	Farme	55 kg	160 cm	21	35.5 C	144/80	83 bpm	101	111.4	163.6	86.5	04.03.22
145	Kanta Verma	Maldi	38	M	5th pas	Farme	60 kg	172 cm	20	36.8 C	129/86	98 bpm	122	204.2	230.9	122.3	05.03.22
146	Rajesh Verma	Maldi	46	M	NA	Farme	106 kg	170.9 cm	36	36.6 C	143/86	98 bpm	114	110.8	129.3	89.8	05.03.22
147	Neera Verma	Maldi	42	F	NA	Farme	42 kg	144 cm	20	37.0 C	105/69	84 bpm	100	167.1	100	185.9	05.03.22
148	Heeramani Verma	Maldi	21	F	M. Sc	NA	45 kg	152 cm	19	37.4 C	116/75	112 bpm	81	167	180.8	127.2	05.03.22
149	Geeta Verma	Maldi	32	F	12th pas	usew	54 kg	152 cm	23	36.8 C	142/90	126 bpm	101	185	215.9	149.3	05.03.22
150	Lakshmi Dhru	Maldi	48	F	3rd pas	usew	54 kg	150 cm	24	37.1 C	125/79	81 bpm	87	200.4	229.3	149.8	05.03.22
151	Radhika Vaishnav	Maldi	33	F	8th pas	usew	35 kg	145 cm	16	38.0 C	115/67	95 bpm	86	160.8	184.9	122.2	05.03.22
152	Bharti Dhru	Maldi	35	F	12th pas	wadi	58 kg	151 cm	25	37.4 C	110/75	80 bpm	84	132.1	100	188.5	05.03.22
153	Neeranjani Sahu	Maldi	35	F	M.A	eache	50 kg	148 cm	22	37.8 C	107/72	96 bpm	81	125.3	152.9	103.1	05.03.22
154	Hemlata Verma	Maldi	28	F	Graduat	eache	80 kg	150 cm	35	36.8 C	117/80	92 bpm	76	151.8	164.3	95.2	05.03.22
155	Sanju Verma	Maldi	35	F	B.A	eache	43 kg	158 cm	17	38.6 C	101/62	84 bpm	78	125.4	127.6	66.4	05.03.22
156	Shivkumari Verma	Maldi	26	F	0th pas	usew	44 kg	144 cm	21	38.6 C	109/70	106 bpm	109	188.1	211.5	131	05.03.22
157	Tikeswari Verma	Maldi	32	F	12th pas	Farme	50 kg	146 cm	23	38.7 C	96/65	79 bpm	86	164.5	187.3	143.8	05.03.22
158	Kumari Verma	Maldi	46	F	NA	Farme	51 kg	157 cm	20	39.5 C	117/71	107 bpm	93	158.5	191.2	103.8	05.03.22
159	Bedkumari Verma	Maldi	45	F	8th pas	Farme	58 kg	153 cm	24	37.1 C	117/77	93 bpm	100	195.8	239.6	135.9	05.03.22
160	Shyama Verma	Maldi	50	F	6th pas	Farme	58 kg	154 cm	24	37.2 C	120/76	92 bpm	76	130.2	167.2	82.2	05.03.22
161	Kalyani Verma	Maldi	40	F	12th pas	Farme	40 kg	150 cm	17	36.6 C	155/108	75 bpm	70	111	105.9	52.3	05.03.22
162	Chandratin Dhru	Maldi	46	F	NA	abour	52 kg	150 cm	23	37.4 C	107/79	106 bpm	80	166.4	213.2	158.8	05.03.22

163	Tara Sahu	Maldi	40	F	0th pas	ousew	85 kg	155 cm	35	38.6 C	142/93	117 bpm	107	134.8	170.6	204.8	05.03.22
164	Yashoda Sahu	Maldi	38	F	0th pas	ousew	66 kg	151 cm	28	37.9 C	139/94	94 bpm	129	204.9	244.3	151	05.03.22
165	Bharti Verma	Maldi	37	F	B.A	ousew	68 kg	164 cm	25	37.1 C	149/69	84 bpm	123	132.1	100	188.5	05.03.22
166	Puran Satnami	Maldi	47	M	8th pas	Farme	55 kg	150.5 cm	24	37.6 C	116/74	77 bpm	86	81.4	103.2	110.4	05.03.22
167	Devki Dhru	Maldi	45	F	NA	abour	36 kg	140 cm	18	38.7 C	132/69	120 bpm	119	208.3	100	239.8	05.03.22
168	Lakshmi Bai Dhru	Maldi	45	F	NA	abour	63 kg	150.4 cm	28	37.8 C	138/78	88 bpm	70	131.7	100	170.2	05.03.22
169	Godavari Verma	Maldi	42	F	0th pas	Farme	53 kg	150.4 cm	23	37.2 C	103/70	104 bpm	90	142.6	169.2	105.9	05.03.22
170	Ramesh Kumar Dhru	Maldi	39	M	8th pas	Farme	52 kg	150.5 cm	23	37.0 C	121/71	97 bpm	106	165	157.4	70.1	05.03.22
171	Santoshi Dhru	Maldi	42	F	NA	abour	49 kg	150.5 cm	21	38.0 C	100/69	106 bpm	112	147.8	157.1	74.1	05.03.22
172	Shanti Bai Sahu	Maldi	45	F	NA	Farme	46 kg	150.9 cm	20	37.8 C	125/77	87 bpm	118	161.4	100	177.9	05.03.22
173	Rakesh Kumar Verma	Maldi	40	M	2th pas	Farme	92 kg	160.9 cm	35	37.0 C	152/97	86 bpm	123	95.5	100	146.4	05.03.22
174	Rama Verma	Maldi	38	F	0th pas	Farme	59 kg	150 cm	26	37.7 C	100/69	97 bpm	107	144.2	170.4	130.7	05.03.22
175	Digeswar Verma	Maldi	40	M	B.A	Farme	55 kg	180 cm	16	36.8 C	120/92	87 bpm	88	152.5	179.2	104.3	05.03.22
176	Dropati Bai Dhru	Maldi	48	F	NA	abour	37 kg	140.4 cm	18	38.3 C	135/82	86 bpm	69	60.8	76.9	55.9	05.03.22
177	Sevti Dhru	Maldi	39	F	8th pas	Farme	45 kg	150.9 cm	20	37.8 C	133/82	79 bpm	97	211.3	245.6	186.4	05.03.22
178	Meena Patel	Maldi	41	F	NA	abour	38 kg	150 cm	16	38.3 C	149/93	82 bpm	100	168.4	100	157.1	05.03.22
179	Sakuntala Bai Dhru	Maldi	61	F	NA	n labo	34 kg	146 cm	15	37.7 C	132/77	96 bpm	325	109.7	151.8	96.2	05.03.22
180	Ramkali Verma	Maldi	65	F	5th pas	Farme	50 kg	161 cm	19	37.6 C	136/71	82 bpm	80	136.8	168.6	69.3	05.03.22
181	Ramchandra Yadav	Maldi	65	M	NA	abour	85 kg	168 cm	30	36.6 C	153/83	88 bpm	210	143	183.2	95	05.03.22
182	Sohini Bai Verma	Maldi	62	F	NA	NA	65 kg	150 cm	28	37.2 C	181/81	78 bpm	100			Done	05.03.22
183	Prembai Dhru	Maldi	55	F	NA	abour	40 kg	150 cm	17	37.6 C	131/84	85 bpm	112	64.9	72.8	51.7	05.03.22
184	Narsingh Dhru	Maldi	55	M	NA	abour	57 kg	155 cm	23	37.3 C	142/89	105 bpm	98	144.7	183.5	155.2	05.03.22
185	Narendra Manhare	Maldi	52	M	3rd pas	NA	75 kg	163 cm	28	36.6 C	154/93	108 bpm	337	141.3	190.6	148.6	05.03.22
186	Mankuwar Dhru	Maldi	52	M	NA	abour	41 kg	142 cm	20	38.1 C	129/80	88 bpm	104	196.3	245.9	163.2	05.03.22
187	Radha bai Verma	Maldi	56	F	NA	Farme	44 kg	145 cm	20	38.7 C	160/80	100 bpm	85	262.3	308.8	129.4	05.03.22
188	Rambai Verma	Maldi	66	F	NA	NA	65 kg	147 cm	30	38.3 C	178/93	101 bpm	231	186.5	238.8	145	05.03.22
189	Kuvriya Verma	Maldi	66	F	NA	NA	42 kg	150 cm	18	37.8 C	132/77	101 bpm	142	201.4	241.4	111.5	05.03.22
190	Bharatlal Sahu	Maldi	52	M	2th pas	Farme	68 kg	170 cm	23	37.2 C	134/92	100 bpm	96	83.6	76	52.3	05.03.22
191	Itwari Verma	Maldi	80	M	NA	abour	56 kg	162 cm	21	38.2 C	138/83	82 bpm	130	145.6	207	124.1	05.03.22
192	Chaitu Bai Dhru	Maldi	65	F	NA	NA	36 kg	148 cm	16	38.4 C	118/65	86 bpm	147	251.3	246.4	125.4	05.03.22
193	Bhogar Verma	Maldi	62	F	5th pas	Maid	50 kg	151 cm	21	37.2 C	133/81	83 bpm	141			Done	05.03.22
194	Janki Verma	Maldi	55	F	5th pas	NA	56 kg	150 cm	24	36.8 C	158/94	92 bpm	98			Done	05.03.22
195	Gobind Verma	Maldi	62	M	B. Sc	Farme	70 kg	150 cm	31	36.7 C	170/95	70 bpm	100	291.6	361.7	285.7	05.03.22
196	Chowa Ram Dhru	Maldi	64	M	5th pas	Farme	50 kg	150 cm	22	36.7 C	146/83	99 bpm	127	281.6	353	174.2	05.03.22
197	Paltan Chakradhari	Maldi	70	M	NA	Farme	47 kg	150.9 cm	20	36.6 C	179/93	97 bpm	76	168.2	248.5	158.9	05.03.22
198	Nathuram Dewangan	Maldi	86	M	5th pas	NA	44 kg	140.4 cm	22	36.9 C	108/73	80 bpm	113	323.7	535.9	137.7	05.03.22
199	Ganesh Ram Verma	Maldi	72	M	Idle sch	NA	55 kg	150.3 cm	24	37.3 C	143/70	63 bpm	81	321.8	407.6	163.8	05.03.22
200	Jagdev Verma	Maldi	88	M	NA	NA	37 kg	150.5 cm	16	37.6 C	120/78	92 bpm	116	195.8	234.4	53.3	05.03.22
201	Gangaram Dewangan	Maldi	72	M	B. Com	Farme	68 kg	150.8 cm	30	36.8 C	152/83	75 bpm	131	177.7	203	104.6	05.03.22
202	Tikaram Dhru	Maldi	60	M	NA	abour	69 kg	160.6 cm	26	37.2 C	161/100	82 bpm	221	145.1	173.3	123.8	05.03.22
203	Ganesh Ram Verma	Maldi	76	M	1th pas	NA	60 kg	150 cm	26	36.9 C	165/93	95 bpm	248	146.3	100	109.6	05.03.22

204	Parmanand Verma	Maldi	63	M	1th pas	arme	60 kg	150 9 cm	26	36 5 C	192/104	110 bpm	94	263 8	307 9	105 8	05.03.22
205	Durpat Bai Dhru	Maldi	55	F	d std pa	labo	65 kg	150.3 cm	28	36.8 C	105/78	69 bpm	74	170.6	192.3	78.6	05.03.22
206	Gyaneswari Verma	Maldi	64	F	8th pas	NA	59 kg	140 cm	30	36 5 C	126/87	95 bpm	92	289 2	371 4	216.7	05.03.22
207	Dukalhin Bai Dewangan	Maldi	60	F	NA	NA	44 kg	140.1 cm	22	36.7 C	159/79	92 bpm	121	179.4	239 7	116.4	05.03.22
208	Narayan Dhru	Maldi	60	M	5th pas	Farme	52 kg	160 cm	20	37.3 cm	137/86	93 bpm	93	138.1	186.2	81.8	05.03.22
209	Netram Dhru	Maldi	57	M	NA	Farme	53 kg	170 cm	18	37.7 cm	118/79	85 bpm	137	146.7	201.3	123.3	05.03.22
210	Godavari Sahu	Maldi	60	F	d std pa	NA	64 kg	160 cm	25	36.8 C	187/89	80 bpm	261	96.7	134.9	120.7	05.03.22
211	Mohan Sahu	Maldi	64	M	5th pas	NA	69 kg	150 cm	30	37.4 C	155/82	95 bpm	217	123.6	153	85.6	05.03.22
212	Jethiya Dhru	Maldi	62	F	NA	NA	37 kg	145 cm	17	37.8 C	152/82	85 bpm	88	106.9	100	144.6	05.03.22
213	Purnima Nishad	Devrani	23	F	2th pas	usew	52 kg	153 cm	22	36.6 C	109/69	87 bpm	93	262	163.2	81.6	14.03.22
214	Santoshi Yadav	Devrani	45	F	NA	Farme	47 kg	144 cm	22	36.6 C	131/78	79 bpm	92	129.1	137.3	90.8	14.03.22
215	Dageswari Yadav	Devrani	40	F	5th pas	Farme	55 kg	145 cm	26	36.4 C	118/77	95 bpm	146	171.5	192.9	160	14.03.22
216	Shyama Sahu	Devrani	40	F	NA	abour	54 kg	144 cm	26	36.2 C	151/100	71 bpm	490	226.1	192.8	84.5	14.03.22
217	Sudama Gendre	Devrani	32	M	B.A	Studer	55 kg	156 cm	22	36.6 C	110/64	75 bpm	128	225.8	264	149	14.03.22
218	Meena Verma	Devrani	43	F	2th pas	Farme	75 kg	150 cm	33	36.6C	124/77	81 bpm	127	158.2	163.6	130.5	14.03.22
219	Kanchan grithlehre	Devrani	50	F	NA	usew	36 kg	144 cm	17	36.8 C	101/66	71 bpm	125	276	303.8	177.5	14.03.22
220	Lakshmi Lehre	Devrani	40	F	5th pas	Farme	70 kg	159 cm	27	36.9 C	119/92	75 bpm	105	194.4	250.6	148.3	14.03.22
221	Kunti Dhru	Devrani	25	F	2th pas	imstre	44 kg	149 cm	19	36.4 C	115/79	89 bpm	129	219.5	217.4	173.5	14.03.22
222	Kalindi Dhru	Devrani	40	F	NA	abour	44 kg	137 cm	23	36.7 C	135/69	86 bpm	136	132.4	128.6	61.8	14.03.22
223	Rajeswari Grithlehre	Devrani	29	F	0th pas	Farme	57 kg	143 cm	27	37.2 C	117/78	95 bpm	99	203.8	219	147.8	14.03.22
224	Sita Nishad	Devrani	40	F	NA	Farme	46 kg	150 cm	20	36.6 C	127/74	72 bpm	117	192.3	223.2	145.4	14.03.22
225	Satrupa Lehre	Devrani	50	F	d std pa	Farme	45 kg	148 cm	20	37.0 C	161/91	103bpm	151	169	203.5	139.2	14.03.22
226	Santoshi Sahu	Devrani	38	F	5th pas	abour	52 kg	155 cm	21	36.6 C	118/72	89 bpm	114	136.1	164.9	90.7	14.03.22
227	Rajeswari Nishad	Devrani	27	F	5th pas	Farme	65 kg	147 cm	30	36.7 C	131/85	125 bpm	93	100.8	105.9	68.3	14.03.22
228	Tameswari Nishad	Devrani	21	F	B. A	Studer	51 kg	155 cm	21	36.9 C	102/58	71 bpm	89	203.1	208.6	147.2	14.03.22
229	Gajanand Nishad	Devrani	30	M	8th pas	Farme	55 kg	159 cm	21	36.7 C	118/75	79 bpm	99	172.3	184.4	131.4	14.03.22
230	Sunny Nishad	Devrani	35	F	5th pas	Farme	65 kg	144 cm	31	36.7 C	120/73	85 bpm	117			Done	14.03.22
231	Sushila Sahu	Devrani	42	F	d std pa	abour	46 kg	144 cm	22	36.6 C	116/75	92 bpm	120	181.3	178.9	121	14.03.22
232	Fuleswari	Devrani	30	F	NA	Farme	52 kg	158 cm	20	36.7 C	102/64	91 bpm	106	127.5	157.5	120.3	14.03.22
233	Meena Verma	Devrani	48	F	7th pas	Farme	47 kg	148 cm	21	36.5 C	106/62	79 bpm	126	221.7	260.5	123.2	14.03.22
234	Lalita Nishad	Devrani	21	F	B.A	Studer	40 kg	150 cm	17	36.7 C	92/60	72 bpm	109	187.6	205.1	133.3	14.03.22
235	Rukmani Yadav	Devrani	30	F	NA	Farme	55 kg	154 cm	23	36.8 C	130/76	81 bpm	116	248.3	233.9	144.9	14.03.22
236	Anju Yadav	Devrani	25	F	2th pas	NA	40 kg	135 cm	21	37.0 C	122/81	123 bpm	103	231	210.3	160	14.03.22
237	Deepa Sahu	Devrani	18	F	B. C.I	Studer	52 kg	159 cm	20	36.7 C	112/62	89 bpm	133	47.9	162	133	14.03.22
238	Hemlata Dhru	Devrani	27	F	2th pas	Farme	45 kg	150 cm	20	36.6 C	93/58	88 bpm	128	156.1	148.5	79	14.03.22
239	Wahid Khan	Devrani	43	M	8th pas	Farme	70 kg	158 cm	28	37.1 C	168/104	105 bpm	133	278.8	325.8	176.6	14.03.22
240	Raju Satnami	Devrani	30	M	5th pas	Farme	65 kg	157 cm	26	36.6 C	158/94	107 bpm	401	152.4	183.2	146.5	14.03.22
241	Durga Grithlehre	Devrani	23	F	0th pas	Farme	70 kg	154 cm	29	36.7 C	120/78	103 bpm	115	252.3	259.4	197.1	14.03.22
242	Duleswar Lehre	Devrani	60	F	NA	NA	60 kg	144 cm	28	36.6 C	136/78	52 bpm	138	302.2	294.9	182.5	14.03.22
243	Sushila Verma	Devrani	66	F	d std pa	Farme	59 kg	140 cm	30	36.6 C	217/143	120 bpm	118	374	466.7	248.7	14.03.22
244	Naresh Dhru	Devrani	70	M	NA	abour	50 kg	155 cm	20	36.7 C	125/68	66 bpm	92	222.4	327.1	174.6	14.03.22

245	Visram Sahu	Devrani	82	M	NA	Farme	55 kg	155 cm	22	37.1 C	114/58	60 bpm	155	261.2	371.9	158.7	14.03.22
246	Ganeswar Grithlehre	Devrani	58	M	5th pas	Farme	66 kg	157 cm	26	36.6 C	116/76	103 bpm	226	257.3	251.6	193.6	14.03.22
247	Fekan Bai Yadav	Devrani	51	F	NA	abour	35 kg	140 cm	17	36.7 C	113/74	79 bpm	103	266.9	303.5	204	14.03.22
248	Mahetrin Nishad	Devrani	70	F	NA	NA	30 kg	135 cm	16	36.8 C	127/68	80 bpm	127	380.8	507.4	137.6	14.03.22
249	Saraswati Yadav	Devrani	55	F	5th pas	Farme	60 kg	153 cm	25	36.8 C	157/104	77 bpm	97	186.5	230.6	138.6	14.03.22
250	Lakshman Verma	Devrani	60	M	8th pas	Farme	50 kg	162 cm	19	36.9 C	154/132	83 bpm	59	158.8	190.1	153.9	14.03.22
251	Prabhu Dhru	Devrani	60	M	4th pas	Farme	50 kg	160 cm	19	36.8 C	152/101	88 bpm	119	237.7	282.6	147.5	14.03.22
252	Binda Bai Verma	Devrani	58	F	5th pas	NA	60 kg	147 cm	27	36.4 C	141/95	97 bpm	104	197.1	262.9	189.8	14.03.22
253	Premin Bai Verma	Devrani	58	F	7th pas	ousew	55 kg	146 cm	25	36.7 C	130/79	92 bpm	140	229.4	266.2	180.7	14.03.22
254	Khorbahra Nishad	Devrani	85	M	NA	NA	45 kg	150 cm	20	36.5 C	191/79	78 bpm	107	243.7	401	236.6	14.03.22
255	Rabha Dhru	Devrani	55	F	NA	abour	46 kg	142 cm	22	36.6 C	143/89	112 bpm	112			Done	14.03.22
256	Ram Bharose Nishad	Devrani	65	M	8th pas	abour	46 kg	152 cm	19	36.6 C	114/66	73 bpm	146	197.7	250.6	173.5	14.03.22
257	Aghaniya Sahu	Devrani	80	F	NA	NA	40 kg	144 cm	19	36.6 C	133/70	97 bpm	138			Done	14.03.22
258	Kanchan Dhru	Devrani	60	F	NA	abour	40 kg	146 cm	18	36.6 C	103/69	69 bpm	93	252.3	328.7	195.5	14.03.22
259	Kusum Bai Begum	Devrani	62	F	NA	NA	70 kg	146 cm	32	36.6 C	142/82	82 bpm	174	267	371.2	185.7	14.03.22
260	Savitri Yadav	Devrani	55	F	NA	abour	36 kg	149 cm	16	36.5 C	114/72	87 bpm	103	172.5	161.8	62.6	14.03.22
261	Chandulal Verma	Devrani	67	M	8th pas	Farme	53 kg	167 cm	19	36.8 C	119/78	64 bpm	95	249	277.7	175.2	14.03.22
262	Hembati Sahu	Devrani	66	F	NA	Farme	68 kg	147 cm	31	36.5 C	177/97	67 bpm	250	153.1	199.3	142.6	14.03.22
263	Tirthi Yadav	Devrani	70	F	NA	abour	49 kg	140 cm	25	36.6 C	168/94	112 bpm	129	296.6	100	220.1	14.03.22
264	Kewalram Dhru	Devrani	58	M	NA	Farme	50 kg	155 cm	20	37.0 C	148/80	62 bpm	113	210.4	239.2	137.8	14.03.22
265	Keshav Jangde	Devrani	65	M	NA	abour	58 kg	154 cm	24	36.9 C	152/92	71 bpm	116	252.8	316.7	163.7	14.03.22
266	Satwantin Yadav	Devrani	80	M	NA	NA	35 kg	142 cm	17	36.7 C	142/75	90 bpm	126	359.3	541.7	144.4	14.03.22
267	Sahodra Dhru	Devrani	60	F	NA	abour	50 kg	144 cm	24	36.6 C	118/82	84 bpm	134	134.9	183.1	85.7	14.03.22
268	Shamhin Gendre	Devrani	55	F	NA	Farme	70 kg	159 cm	27	36.7 C	160/74	91 bpm	114	155.1	181.2	149.8	14.03.22
269	Mohan Dhru	Devrani	60	M	NA	Farme	52 kg	163 cm	19	37.3 C	130/65	103 bpm	135	121.1	168	129.9	14.03.22
270	Suniti Verma	Devrani	64	F	NA	Farme	58 kg	154 cm	24	36.6 C	108/73	75 bpm	110	213.7	289	175.7	14.03.22
271	Birajo Verma	Devrani	60	F	NA	NA	45 kg	142 cm	22	36.4 C	137/79	86 bpm	113	374.4	361.7	119.8	14.03.22
272	Fuleswari Nishad	Devrani	75	F	NA	NA	45 kg	143 cm	22	36.6 C	154/93	76 bpm	103	255.2	391.9	265.2	14.03.22
273	Tiharu Nishad	Devrani	80	M	NA	NA	53 kg	155 cm	22	36.4 C	159/78	69 bpm	111	191.9	297	297.4	14.03.22
274	Rasim Ahmed	Devrani	70	M	8th pas	Farme	51 kg	145 cm	24	36.4 C	141/88	86 bpm	146	223	311	209.6	14.03.22
275	Dilip Verma	Devrani	57	M	NA	Farme	57 kg	163 cm	21	36.7 C	115/71	86 bpm	121	199.7	269	238	14.03.22
276	Krishna Kumar Yadoo	Mopar	50	M	8th pas	Farme	50 kg	158 cm	20	39.5 C	115/78	98 bpm	120	191.1	208.6	93	15.03.22
277	Yogesh Sahu	Mopar	41	M	2th pas	Farme	65 kg	163 cm	24	36.6 C	NA	NA	235			Done	15.03.22
278	Hirabai Sahu	Mopar	35	F	NA	Farme	45 kg	140 cm	22	37.6 C	109/78	92 bpm	119	209.5	245.5	133.7	15.03.22
279	Sona Bai Nishad	Mopar	40	F	5th pas	abour	35 kg	140 cm	17	37.1 C	152/92	103 bpm	85	252.7	302.4	188.7	15.03.22
280	Rajkumar Sahu	Mopar	41	M	0th pas	Mason	63 kg	167 cm	22	37.6 C	130/94	101 bpm	116	215.1	275.3	202.4	15.03.22
281	Munni Sahu	Mopar	31	F	9th pas	Farme	58 kg	160 cm	22	38.0 C	116/85	83 bpm	104	187.4	233.2	176.2	15.03.22
282	Shanti Sahu	Mopar	46	F	4th pas	Farme	55 kg	150 cm	24	38.2 C	138/94	107 bpm	124	318	256.1	172.9	15.03.22
283	Pramila Nishad	Mopar	31	F	8th pas	Farme	55 kg	146 cm	25	36.7 C	146/93	102 bpm	123	210.4	211.1	151.2	15.03.22
284	Dukhiya Bai Nishad	Mopar	50	F	NA	abour	45 kg	145 cm	21	37.8 C	117/73	91 bpm	102	91	116.7	53.9	15.03.22
285	Ganesh Nirmalkar	Mopar	45	M	NA	abour	52 kg	155 cm	21	36.5 C	118/69	105 bpm	181	200	241.9	144.7	15.03.22

286	Ganga Bai Sahu	Mopar	41	F	NA	Farme	55 kg	144 cm	26	37.4 C	134/74	79 bpm	118	207.7	209	89.9	15.03.22
287	Meena Sahu	Mopar	48	F	NA	Farme	50 kg	149 cm	22	36.7 C	143/90	98 bpm	109	193.2	224.3	111.3	15.03.22
288	Anuj Ram Sahu	Mopar	38	M	2th pas	Farme	50 kg	160 cm	19	36.7 C	153/107	104 bpm	113	277.9	276.5	148.1	15.03.22
289	Harishchand Sahu	Mopar	38	M	8th pas	Farme	65 kg	156 cm	26	36.6 C	103/74	103 bpm	112	201.7	196.9	81.5	15.03.22
290	Shanti Bai Nirmalkar	Mopar	48	F	NA	Farme	44 kg	146 cm	20	37.4 C	98/56	90 bpm	97	305	198.2	124.3	15.03.22
291	Hemin Nishad	Mopar	36	F	NA	NA	50 kg	150 cm	22	36.6 C	110/74	102 bpm	92	395	272.5	158.6	15.03.22
292	Kesar Nishad	Mopar	50	M	NA	Farme	50 kg	145 cm	23	37.0 C	149/77	94 bpm	161	202.4	240.7	178.6	15.03.22
293	Digeswar Sahu	Mopar	22	M	9th pas	Studer	55 kg	175 cm	17	36.9 C	129/83	101 bpm	135	121.3	121.3	74.2	15.03.22
294	Santram Sahu	Mopar	44	M	0th pas	Farme	69 kg	167 cm	24	36.7 C	138/93	83 bpm	105	198.8	219.9	137.3	15.03.22
295	Tikeswar Sen	Mopar	29	M	2th pas	on wo	56 kg	164 cm	20	36.8 C	145/81	90 bpm	112	224.5	237.3	122.5	15.03.22
296	Keshav Prasad Sahu	Mopar	43	M	8th pas	any v	52 kg	160 cm	20	36.9 C	167/105	112 bpm	111	225.4	294	258.9	15.03.22
297	Somnath Yadoo	Mopar	16	M	1th pas	Studer	50 kg	156 cm	20	36.7 C	124/81	76 bpm	122	296.1	254.9	224.9	15.03.22
298	Pushpendra Sahu	Mopar	33	M	0th pas	Farme	69 kg	160 cm	26	36.6 C	134/45	90 bpm	91	232.4	263.4	148.7	15.03.22
299	Santosh Yadoo	Mopar	45	M	0th pas	NA	55 kg	168 cm	19	37.9 C	92/67	115 bpm	137	226.2	281	179.5	15.03.22
300	Durgesh Sahu	Mopar	22	M	M.A	Studer	53 kg	165 cm	19	36.8 C	118/71	94 bpm	83	313.4	349.2	239.5	15.03.22
301	VedPrakash Sen	Mopar	22	M	2th pas	NA	65 kg	164 cm	24	36.9 C	142/89	96 bpm	102	234.6	254	197.8	15.03.22
302	Manish Dewangan	Mopar	23	M	I.T.I	Studer	63 kg	168 cm	22	36.5 C	118/67	60 bpm	118	243.4	277.5	131.2	15.03.22
303	Durga Vishwakarma	Mopar	50	F	NA	Farme	39 kg	140 cm	19	36.8 C	135/80	90 bpm	92	279.8	321.7	195	15.03.22
304	Nisha Yadu	Mopar	15	F	9th pas	Studer	30 kg	148 cm	13	36.7 C	104/28	146 bpm	93	218.6	219.5	145.8	15.03.22
305	Savitri Sahu	Mopar	50	F	NA	NA	45 kg	140 cm	22	37.1 C	140/93	105 bpm	115	196.2	228.7	157.4	15.03.22
306	Sehdev Sahu	Mopar	49	M	0th pas	opkee	70 kg	159 cm	27	37.1 C	146/88	79 bpm	121	258.2	269.9	111.4	15.03.22
307	Ramkrishna Yadoo	Mopar	21	M	9th pas	Driver	55 kg	157 cm	22	36.9 C	111/59	75 bpm	107	272.1	295.5	212.8	15.03.22
308	Ramkumar Sahoo	Mopar	50	M	5th pas	Farme	57 kg	155 cm	23	36.6 C	122/78	80 bpm	123	152.3	148.2	78.1	15.03.22
309	Dinesh Kumar Yadoo	Mopar	45	M	0th pas	Farme	74 kg	165 cm	27	36.6 C	167/98	110 bpm	120	272.5	252.2	156.7	15.03.22
310	Chandan Bai Sahu	Mopar	50	F	4th pas	Farme	48 kg	152 cm	20	36.5 C	127/80	70 bpm	91	248.8	270.1	187.9	15.03.22
311	Loknath Sahu	Mopar	38	M	2th pas	Farme	68 kg	155 cm	28	36.5 C	128/86	85 bpm	99	358.9	377.3	253.7	15.03.22
312	SantBai Nishad	Mopar	38	F	NA	Farme	44 kg	139 cm	22	36.6 C	108/69	79 bpm	119	172.9	205.4	173.3	15.03.22
313	PremBai Sahu	Mopar	50	F	4th pas	Farme	45 kg	137 cm	23	36.6 C	102/67	91 bpm	152	350.9	408.3	308.9	15.03.22
314	Chagan Sahu	Mopar	34	M	0th pas	usine	68 kg	163 cm	25	36.6 C	114/83	95 bpm	109	192.6	231.2	150.2	15.03.22
315	Khelawan Yadav	Mopar	35	M	NA	abour	50 kg	154 cm	21	38.0 C	134/101	83 bpm	137	167.7	187.3	155.1	15.03.22
316	Parmeswari Sahu	Mopar	44	F	8th pas	VHF	42 kg	148 cm	19	36.6 C	120/80	NA	94	301.3	307.5	231.7	15.03.22
317	Lakshmi Yadoo	Mopar	46	F	2th pas	VHF	50 kg	158 cm	20	36.8 C	116/81	NA	109	240.1	276.6	167	15.03.22
318	Jyoti Sen	Mopar	23	F	9th pas	usew	45 kg	150 cm	20	36.7 C	98/60	NA	NA	277.9	251.1	155.5	15.03.22
319	Tikeswari Sahu	Mopar	41	F	2th pas	VHF	65 kg	150 cm	28	37.2 C	124/78	85 bpm	117	212.6	232	151.9	15.03.22
320	Ramlal Rajak	Mopar	86	M	NA	NA	44 kg	153 cm	18	36.7 C	114/84	82 bpm	115			Done	15.03.22
321	Tarachand Nishad	Mopar	54	M	0th pas	abour	48 kg	155 cm	19	37.1 C	124/62	83 bpm	131	177.8	218.9	161.7	15.03.22
322	Gainduram Nishad	Mopar	62	M	NA	NA	58 kg	160 cm	22	36.8 C	144/86	92 bpm	122	179.9	210.5	93.3	15.03.22
323	Ramdayal Sahu	Mopar	65	M	8th pas	NA	50 kg	152 cm	21	36.7 C	141/85	97 bpm	120	232.1	318.2	163.5	15.03.22
324	Devsir Nishad	Mopar	80	M	NA	Farme	45 kg	150 cm	20	37.0 C	138/86	82 bpm	106			Done	15.03.22
325	Paretan Sen	Mopar	55	F	NA	Farme	49 kg	145 cm	23	36.9 C	146/76	91 bpm	108	297.5	339.1	231.6	15.03.22
326	Dharamsingh Nishad	Mopar	72	M	NA	abour	50 kg	148 cm	22	36.7 C	173/76	85 bpm	134	178	172.6	83.5	15.03.22

327	Urmila Sahu	Mopar	60	F	NA	NA	50 kg	143 cm	24	36.6 C	112/66	95 bpm	102	313.8	375.8	289.4	15.03.22
328	Sadhin Yadu	Mopar	60	F	NA	NA	45 kg	138 cm	23	38.8 C	144/82	82 bpm	100	204.5	211.4	149.8	15.03.22
329	Kanhaiya Yadoo	Mopar	70	M	NA	NA	55 kg	160 cm	21	37.1 C	121/93	96 bpm	208	258	300.6	124.2	15.03.22
330	Arjunlal Sahu	Mopar	69	M	8th pas	NA	48 kg	154 cm	20	36.5 C	140/86	88 bpm	129	269.2	354.9	188.9	15.03.22
331	Sita Ram Dhruw	Mopar	70	M	7th pas	NA	60 kg	155 cm	24	36.9 C	165/96	92 bpm	117	168.4	203.9	115	15.03.22
332	Satrupa Sahu	Mopar	75	F	NA	NA	75 kg	148 cm	34	36.7 C	180/108	106 bpm	150	228.7	275.4	143.7	15.03.22
333	Tukat Ram Sahu	Mopar	58	M	7th pas	Farme	55 kg	165 cm	20	36.8 C	134/79	78 bpm	147	120.1	120.2	68.6	15.03.22
334	Sahas Ram Yadav	Mopar	60	M	NA	NA	50 kg	145 cm	23	36.7 C	173/87	97 bpm	228	619.3	567.9	338.1	15.03.22
335	Urmila Vishwakarma	Mopar	60	F	NA	Farme	47 kg	140 cm	23	37.0 C	132/66	72 bpm	130	313.8	375.8	289.4	15.03.22
336	Sakun Yadav	Mopar	55	M	NA	abour	45 kg	148 cm	20	36.6 C	145/65	95 bpm	189	215.7	268.5	204.5	15.03.22
337	Manki Sahu	Mopar	55	F	NA	Farme	40 kg	145 cm	19	37.7 C	160/90	82 bpm	149	166.2	221.2	131.2	15.03.22
338	Ramprasad Yadav	Mopar	65	M	NA	Maid	50 kg	158 cm	20	36.6 C	145/83	72 bpm	123	268	354.8	244.8	15.03.22
339	Motim Sahu	Mopar	56	F	NA	abour	45 kg	143 cm	22	37.3 C	164/76	92 bpm	109	166	216.3	163.7	15.03.22
340	Sushil Sahu	Mopar	60	M	12th pas	Farme	59 kg	150 cm	26	36.6 C	162/91	88 bpm	132	246.6	327.8	173.2	15.03.22
341	Siyaram Sahu	Mopar	62	M	5th pas	Farme	65 kg	155 cm	27	36.8 C	131/83	92 bpm	123	183.1	227.3	133.2	15.03.22
342	Nisahu Dhru	Mopar	62	M	NA	NA	50 kg	158 cm	20	36.6 C	124/75	67 bpm	108			Done	15.03.22
343	Maherwar Prasad Sahu	Mopar	56	M	11th pas	Farme	62 kg	156 cm	25	36.6 C	170/109	77 bpm	259	317.8	341.8	234.2	15.03.22
344	Pitamber Dhru	Mopar	55	M	NA	abour	55 kg	152 cm	23	36.6 C	131/94	66 bpm	346	237.2	275.6	179.2	15.03.22
345	Raju Rajak	Mopar	65	M	NA	Farme	45 kg	145 cm	21	36.7 C	125/70	124 bpm	443			Done	15.03.22
346	Sushila Sahu	Mopar	55	F	5th pas	Farme	50 kg	145 cm	23	37.1 C	145/82	96 bpm	144	199.5	236.4	218.7	15.03.22
347	Girja Rajak	Mopar	65	F	NA	NA	45 kg	155 cm	18	37.0 C	154/70	98 bpm	159	163.3	232.5	172.3	15.03.22
348	Shanti Bai Nishad	Mopar	64	F	NA	NA	42 kg	140 cm	21	36.6 C	145/74	83 bpm	108	285.4	401.8	253.5	15.03.22
349	Sukwaro Bai Nishad	Mopar	63	F	NA	Farme	45 kg	145 cm	21	36.7 C	137/72	82 bpm	93	308.1	412.8	293.9	15.03.22
350	Badra Bai Sahu	Mopar	60	F	NA	NA	45 kg	139 cm	23	37.5 C	157/87	118 bpm	117	410.7	545.3	205.1	15.03.22
351	Motim Bai Sahu	Mopar	63	F	NA	NA	45 kg	150 cm	20	36.7 C	137/64	88 bpm	93	205.2	164.9	97.4	15.03.22
352	Budhiya Bai Nishad	Mopar	61	F	NA	NA	55 kg	145 cm	26	36.7 C	184/84	71 bpm	131	182.1	248.2	159.6	15.03.22
353	Champa Bai Sahu	Mopar	53	F	NA	Farme	37 kg	150 cm	16	36.7 C	115/79	89 bpm	98	222.5	241	90.5	15.03.22
354	Aadniya Bai Rajak	Mopar	65	F	NA	NA	40 kg	139 cm	20	37.2 C	137/75	94 bpm	111	279.3	314.2	177.7	15.03.22
355	Makhanlal Sahu	Mopar	51	M	10th pas	Farme	63 kg	167 cm	22	37.1 C	151/88	75 bpm	121	208.3	230.7	125.3	15.03.22
356	Thagiya Bai Sahu	Mopar	60	F	NA	abour	40 kg	144 cm	19	37.0 C	117/69	92 bpm	110	327.4	144.9	188.4	15.03.22
357	Janki Bai Sahu	Mopar	59	F	NA	Farme	45 kg	150 cm	20	36.9 C	186/111	95 bpm	130	120.8	164.4	125	15.03.22
358	Gopal Sen	Mopar	59	M	NA	abour	82 kg	165 cm	30	37.0 C	125/64	143 bpm	113	221.5	281.5	228.2	15.03.22
359	Basant Bai Rajak	Mopar	66	F	NA	NA	50 kg	140 cm	25	36.6 C	171/89	101 bpm	112	220.8	313	122.6	15.03.22
360	Shyam Bai Dhru	Mopar	63	F	NA	NA	32 kg	128 cm	19	37.2 C	142/76	109 bpm	109	566.3	708.6	256.7	15.03.22
361	Malti Sahu	Mopar	60	F	NA	NA	51 kg	142 cm	25	37.2 C	154/144	104 bpm	155	340.9	393	180.8	15.03.22
362	Punni	Mopar	61	F	NA	Farme	47 kg	145 cm	22	37.2 C	134/87	109 bpm	167	238.4	290.5	152.6	15.03.22
363	Chandrika Rajak	Mopar	55	F	NA	Farme	53 kg	144 cm	25	37.2 C	148/84	72 bpm	129	267.2	317.7	191.6	15.03.22
364	Budhimarin Sahu	Mopar	65	M	NA	NA	54 kg	138 cm	28	36.8 C	162/84	86 bpm	85	615.9	749.5	403.5	15.03.22
365	Ramkumar Yadoo	Mopar	58	M	NA	Farme	64 kg	162 cm	24	36.7 C	127/67	87 bpm	89	363.8	431.9	228.7	15.03.22
366	Ramprasad Sahoo	Mopar	67	M	8th pas	Farme	56 kg	165 cm	20	37.9 C	110/69	95 bpm	96	180.8	246	154.1	15.03.22
367	Dwarika Prasad Sahoo	Mopar	70	M	8th pas	Farme	42 kg	148 cm	19	36.8 C	116/97	95 bpm	383	236.8	326.4	149	15.03.22

368	Sarojini Sahoo	Mopar	62	F	NA	NA	45 kg	141 cm	22	37.9 C	139/64	98 bpm	128	363.5	302.5	114.9	15.03.22
369	Kaushalya Sahu	Mopar	56	F	NA	Farme	49 kg	145 cm	23	38.0 C	115/67	82 bpm	115	199.5	250.7	128	15.03.22
370	Dukalhin Sahoo	Mopar	57	F	5th pas	Farme	42 kg	139 cm	21	36.7 C	113/66	97 bpm	103	292.1	309.7	118.9	15.03.22
371	Ramai Nishad	Mopar	60	M	NA	Farme	54 kg	155 cm	22	37.0 C	145/96	82 bpm	116	202.8	230.5	83	15.03.22
372	Jagat Ram Sahu	Mopar	62	M	7th pas	Farme	50 kg	150 cm	22	36.9 C	115/67	92 bpm	96	337.7	399.4	153.2	15.03.22
373	Tijmatbai yadoo	Mopar	59	F	NA	Farme	55 kg	150 cm	24	36.6 C	148/72	98 bpm	100	162	220.6	105.1	15.03.22
374	Usha Nishad	Mopar	60	F	NA	NA	60 kg	149 cm	27	37.4 C	142/103	106 bpm	122	144.1	196.1	155.9	15.03.22
375	Mahetrin Bai Sahoo	Mopar	62	F	NA	NA	40 kg	140 cm	20	37.0 C	144/80	103 bpm	132	285.7	359	175.7	15.03.22
376	Satwantin Sahoo	Mopar	65	F	NA	NA	40 kg	136 cm	21	37.0 C	135/74	82 bpm	107	304.5	387.4	201.4	15.03.22
377	Khornaharin Sahu	Mopar	65	F	NA	NA	30 kg	140 cm	15	37.5 C	100/49	84 bpm	132	205.8	291.8	171	15.03.22
378	Ghasnin Dhru	Mopar	61	F	NA	NA	44 kg	139 cm	22	36.9 C	158/93	122 bpm	123	173.4	182.6	131.1	15.03.22
379	Ganeshiya Nishad	Mopar	65	F	NA	NA	42 kg	140 cm	21	36.6 C	113/70	92 bpm	83	191.7	236.4	107.8	15.03.22

Annexure-15
O/C

Ambuja Cement

REGISTERED AD

No: ACL/BU/MINE/ 011 Dated: April 05, 2022

To,

Ministry of Environment & Forest
Paryavaran Bhavan
CGO Complex, Lodhi Road
NEW DELHI – 110003

Sub: Ground Water monitoring report of Ambuja Cements Ltd. (Unit: Bhatapara).

Dear Sir

Enclosed please find herewith the Ground Water Monitoring of **Maldi- Mopar Limestone Mines** for the quarter ending March 2022 (from January -2022 to March -2022), in favor of M/s Ambuja Cements Limited, (Unit Bhatapara).

Thanking You,

Yours faithfully,
For Ambuja Cements Ltd.
Unit: Bhatapara

Shiv Kumar Sahu
Sr. Manager
(Maldi Mopar Limestone Mines)

Encl: As above

Cc: **The Member of Secretary,**
Central Ground Water Authority,
West Block-II, Wing-3 (Ground Floor, Sector-1), R.K. Puram,
NEW DELHI- 110066.

The Additional Principal Chief Conservator of Forest
Ministry of Environment Forest & Climate Change
Regional Office (West Central Zone)
Ground Floor, East Wing "New Secretary Building"
Civil Lines, Nagpur - 4440001

The Regional Director,
Central Ground Water Board, North Central Chhattisgarh Region,
L. K Corporate & Logistic Park,
2nd Floor, NH-4, Dhamtari Road, Dumartarai - Raipur 492015

AMBUJA CEMENTS LIMITED, UNIT: BHATAPARA

MALDI-MOPAR LIMESTONE MINES

GROUND WATER MONITORING REPORT

FOR THE QUARTER ENDING MARCH-2022 (FROM January -2022 TO March-2022)

Station no.	Location	Water level Jan-2022	Water level Feb-2022	Water level Mar-2021
1	Khamariya Village	8.05	7.16	6.69
2	Topa Village	6.03	5.36	6.79
3	Arjuni Village	7.23	4.71	8.20
4	Maldi Village	7.01	6.28	8.60
5	Devrani Village	5.12	3.66	2.88
6	Mopar Village	5.74	3.37	6.88
7	Rawan Village	6.34	5.67	5.80
8	Karmada Village	5.37	3.66	6.50
9	Pausari Village	7.70	7.23	5.83
10	Chhuiha Village	5.44	2.91	3.89
11	Baloda Bazar	7.32	6.51	6.80
12	Latua Village	7.73	4.44	4.25
13	Dhabadih Village	8.41	6.13	6.99
14	Magarchaba Village	5.27	2.43	3.25
15	Amera Village	6.19	2.90	3.65
16	Risda Village	6.00	3.81	4.85
17	Chanpa Village	7.15	5.43	5.49
18	Semaradih Village	8.30	7.99	8.15
19	Chandih Village	6.31	2.21	3.85
20	Khelwari Village	7.90	8.81	8.65
21	Kukurdih Village	6.44	6.52	6.75

Shiv Kumar Sahu
Sr. Manager (MINES)

AMBUJA CEMENTS LIMITED (UNIT-BHATAPARA)

MALDI-MOPAR LIMESTONE MINES

Piezometer Data (Core Zone) Unit in M (bgl)

From January-2022 to March -2022

Location	Station Name	January 2022	February2022	March 2022
ML AREA	TP-1	2.96	4.29	4.40

Shiv Kumar Sahu
Sr. Manager (MINES)

The Summarized Water Quality Data for the Quarter From January 2022 to March 2022

Parameters	Unit	Prescribed limits as per IS 10500	Bhadrapalli GW	Rawan GW	Maldi GW	Khairtaal GW	Arjuni GW	Baloda Bazar GW	Pausari GW	Dhabadih GW	Risda GW	Chhuiha GW
pH value	mg/l	6.5 to 8.5	6.86	7.03	6.87	6.92	7.14	7.36	7.81	7.43	7.16	6.92
Total Dissolved solids, mg/l	mg/l	2000	183	165	177	184	192	233	220	226	214	211
Total hardness (as CaCO3) mg/l	mg/l	600	177.43	176.97	200.24	181.98	168.14	180.94	173.88	185.89	191.35	169.89
Alkalinity, mg/l	mg/l	600	162	171	159	181	167	162	157	172	168	149
Chlorides (as Cl) mg/l	mg/l	1000	26.82	21.46	16.57	23.96	16.98	24.63	19.24	23.56	26.39	21.46
Iron (as Fe) mg/l	mg/l	0.3	0.17	0.26	0.18	0.16	0.13	0.26	0.21	0.17	0.16	0.18
Fluoride (as F) mg/l	mg/l	1.5	0.13	0.24	0.17	0.21	0.17	0.17	0.26	0.32	0.27	0.21
Sulphate (as SO4) mg/l	mg/l	400	16.76	32.94	28.19	24.76	32.54	17.34	16.27	18.32	16.43	15.83
Nitrate (as NO3) mg/l	mg/l	45	BDL(DL-2)	9.17	8.46	9.46	7.52	BDL(DL-2)	BDL(DL-2)	BDL(DL-2)	BDL(DL-2)	BDL(DL-2)
Calcium (as Ca), mg/l	mg/l	200	54.73	48.19	52.94	51.71	47.82	51.71	47.26	53.69	53.64	47.29
Magnesium (as Mg)	mg/l	100	9.76	13.58	16.32	12.67	11.68	12.58	13.57	12.58	13.94	12.58

Note:

BDL- Below detection limit.l DL- DL Indicates detection limit of instrument /method and shall be considered as 'absent'.

Ambuja Cement

REGISTERED AD

No: ACL/BU/MINE/ 324 Dated: Jan 05, 2022

To,

Ministry of Environment & Forest
Paryavaran Bhavan
CGO Complex, Lodhi Road
NEW DELHI – 110003

Sub: Ground Water monitoring report of Ambuja Cements Ltd. (Unit: Bhatapara).

Dear Sir

Enclosed please find herewith the Ground Water Monitoring of **Maldi- Mopar Limestone Mines** for the quarter ending December 2021 (from October -2021 to December -2021), in favor of M/s Ambuja Cements Limited, (Unit Bhatapara).

Thanking You,

Yours faithfully,
For Ambuja Cements Ltd.
Unit: Bhatapara

Shiv Kumar Sahu
Sr. Manager
(Maldi Mopar Limestone Mines)

Encl: As above

Cc: **The Member of Secretary,**
Central Ground Water Authority,
West Block-II, Wing-3 (Ground Floor, Sector-1), R.K. Puram,
NEW DELHI- 110066.

The Additional Principal Chief Conservator of Forest
Ministry of Environment Forest & Climate Change
Regional Office (West Central Zone)
Ground Floor, East Wing "New Secretary Building"
Civil Lines, Nagpur - 4440001

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L. K Corporate & Logistic Park,
2nd Floor, NH-4, Dhamtari Road, Dumartarai - Raipur 492015

O/C

AMBUJA CEMENTS LIMITED
(Unit – Bhatapara)
P.O. Rawan, Tehsil: Balodabazar, Dist. :Baloda Bazar – Bhatapara (C.G.) Ph : 07727-220010 to 15 Fax:220004
(Regd. Office: P.O : Ambuja Nagar, Taluka: Kodinar. District : Jinagarh, Gujarat. 362 715)

AMBUJA CEMENTS LIMITED, UNIT: BHATAPARA

MALDI-MOPAR LIMESTONE MINES

GROUND WATER MONITORING REPORT

FOR THE QUARTER ENDING DECEMBER-2021 (FROM October -2021 TO December-2021)

Station no.	Location	Water level Oct-2021	Water level Nov-2021	Water level Dec-2021
1	Khamariya Village	8.29	7.12	6.86
2	Topa Village	4.71	4.46	4.26
3	Arjuni Village	6.45	6.08	5.65
4	Maldi Village	5.82	5.64	5.45
5	Devrani Village	3.57	3.94	4.28
6	Mopar Village	2.11	1.78	1.44
7	Rawan Village	2.74	1.89	1.04
8	Karmada Village	3.06	2.60	2.12
9	Pausari Village	5.71	5.28	4.84
10	Chhuiha Village	2.95	3.63	3.89
11	Baloda Bazar	2.64	1.51	2.65
12	Latua Village	2.66	2.63	2.59
13	Dhabadih Village	7.11	7.05	6.99
14	Magarchaba Village	1.65	1.84	2.01
15	Amera Village	1.93	2.00	2.03
16	Risda Village	2.46	2.38	2.29
17	Chanpa Village	4.75	4.24	3.71
18	Semaradih Village	7.28	6.80	6.31
19	Chandih Village	1.91	1.76	1.61
20	Khelwari Village	4.90	3.40	1.90
21	Kukurdih Village	3.10	1.99	3.17

Shiv Kumar Sahu
Sr. Manager (MINES)

The Summarized Water Quality Data for the Quarter From October 2021 to December 2021

Parameters	Unit	Prescribed limits as per IS 10500	Pausari GW	Karmada GW	Kukurdih GW	Khelwari GW	Chandih GW	Chhuiha GW	Latua GW	Magarchaba GW
pH value	mg/l	**6.5 to 8.5**	8.04	7.72	6.82	6.91	7.24	6.82	6.91	7.14
Total Dissolved solids, mg/l	mg/l	**2000**	278	368	214	233	221	228	209	238
Total hardness (as CaCO3) mg/l	mg/l	**600**	173.94	188.04	179.45	155.03	167.78	162.01	183.85	145.88
Alkalinity, mg/l	mg/l	**600**	104	163	121	116	129	117	132	116
Chlorides (as Cl) mg/l	mg/l	**1000**	28.52	23.96	21.46	18.43	17.43	21.82	17.61	23.59
Iron (as Fe) mg/l	mg/l	**0.3**	0.21	0.17	0.17	0.24	0.17	0.24	0.27	0.21
Fluoride (as F) mg/l	mg/l	**1.5**	0.27	0.21	0.21	0.16	0.16	0.21	0.18	0.14
Sulphate (as SO4) mg/l	mg/l	**400**	16.32	13.91	17.24	21.52	16.43	18.64	16.39	17.31
Nitrate (as NO3) mg/l	mg/l	**45**	BDL(DL-2)	8.91	BDL(DL-2)	BDL(DL-2)	BDL(DL-2)	BDL(DL-2)	BDL(DL-2)	BDL(DL-2)
Calcium (as Ca), mg/l	mg/l	**200**	48.91	52.81	52.94	46.29	51.39	46.29	52.94	42.81
Magnesium (as Mg)	mg/l	**100**	12.58	13.64	11.47	9.57	9.57	11.27	12.54	9.46

Note:

BDL- Below detection limit.l DL- DL Indicates detection limit of instrument /method and shall be considered as 'absent'.

Ambuja Cement

REGISTERED AD

No: ACL/BU/MINE/ Dated: Oct 09, 2021

To,

Ministry of Environment & Forest
Paryavaran Bhavan
CGO Complex, Lodhi Road
NEW DELHI – 110003

Sub: Ground Water monitoring report of Ambuja Cements Ltd. (Unit: Bhatapara).

Dear Sir

Enclosed please find herewith the Ground Water Monitoring of **Maldi- Mopar Limestone Mines** for the quarter ending September 2021 (from July -2021 to September -2021), in favor of M/s Ambuja Cements Limited, (Unit Bhatapara).

Thanking You,

Yours faithfully,
For Ambuja Cements Ltd.
Unit: Bhatapara

Shiv Kumar Sahu
Sr. Manager
(Maldi Mopar Limestone Mines)

Encl: As above

Cc: **The Member of Secretary,**
Central Ground Water Authority,
West Block-II, Wing-3 (Ground Floor, Sector-1), R.K. Puram,
NEW DELHI- 110066.

The Additional Principal Chief Conservator of Forest
Ministry of Environment Forest & Climate Change
Regional Office (West Central Zone)
Ground Floor, East Wing "New Secretary Building"
Civil Lines, Nagpur - 4440001

The Regional Director,
Central Ground Water Board, North Central Chhattisgarh Region,
L. K Corporate & Logistic Park,
2nd Floor, NH-4, Dhamtari Road, Dumartarai - Raipur 492015

O/C

AMBUJA CEMENTS LIMITED
(Unit – Bhatapara)
P.O. Rawan, Tehsil: Balodabazar, Dist. :Baloda Bazar – Bhatapara (C.G.) Ph : 07727-220010 to 15 Fax:220004
(Regd. Office: P.O : Ambuja Nagar, Taluka: Kodinar. District : Jinagarh, Gujarat. 362 715)

AMBUJA CEMENTS LIMITED, UNIT: BHATAPARA

MALDI-MOPAR LIMESTONE MINES

GROUND WATER MONITORING REPORT

FOR THE QUARTER ENDING SEPTEMBER-2021(FROM July -2021 TO September-2021)

Station no.	Location	Water level July -2021	Water level Aug-2021	Water level Sept-2021
1	Khamariya Village	8.89	9.39	8.69
2	Topa Village	6.16	6.66	5.96
3	Arjuni Village	8.25	8.75	8.05
4	Maldi Village	7.19	7.69	6.99
5	Devrani Village	3.86	4.36	3.66
6	Mopar Village	0.84	1.34	0.64
7	Rawan Village	5.44	5.94	5.24
8	Karmada Village	1.52	2.02	1.32
9	Pausari Village	7.58	8.08	7.38
10	Chhuiha Village	3.01	3.51	2.81
11	Baloda Bazar	5.91	6.41	5.71
12	Latua Village	3.73	4.23	3.53
13	Dhabadih Village	8.23	8.73	8.03
14	Magarchaba Village	1.41	1.91	1.21
15	Amcra Village	2.83	3.33	2.63
16	Risda Village	3.63	4.13	3.43
17	Chanpa Village	6.79	7.29	6.59
18	Semaradih Village	9.25	9.75	9.05
19	Chandih Village	1.01	1.51	0.81
20	Khelwari Village	8.90	9.40	8.70
21	Kukurdih Village	6.39	6.89	6.19

Shiv Kumar Sahu
Sr. Manager (MINES)

The Summarized Water Quality Data for the Quarter From July 2021 to Sept 2021

Parameters	Unit	Prescribed limits as per IS 10500	Rawan GW	Khairtal GW	Rawan DW	Arjuni GW	Murhipar GW	Maldi GW
pH value	mg/l	**6.5 to 8.5**	7.24	6.73	6.93	8.27	7.16	7.31
Total Dissolved solids, mg/l	mg/l	**2000**	297	254	121	289	321	296
Total hardness (as CaCO3) mg/l	mg/l	**600**	174	173.95	83.66	166.84	168.29	184.89
Alkalinity, mg/l	mg/l	**600**	119	56	28	53	84	156
Chlorides (as Cl) mg/l	mg/l	**1000**	27.43	24.93	16.58	24.52	18.73	17.29
Iron (as Fe) mg/l	mg/l	**0.3**	0.17	0.17	0.06	0.14	0.14	0.17
Fluoride (as F) mg/l	mg/l	**1.5**	0.21	0.18	BDL(DL-0.1)	0.28	0.28	0.17
Sulphate (as SO4) mg/l	mg/l	**400**	21.43	18.24	9.3	13.96	18.24	21.52
Nitrate (as NO3) mg/l	mg/l	**45**	9.46	9.52	BDL(DL-2)	9.16	7.93	8.71
Calcium (as Ca), mg/l	mg/l	**200**	47.39	48.29	21.49	46.17	48.39	51.63
Magnesium (as Mg)	mg/l	**100**	13.52	12.96	7.29	12.52	11.52	13.59
Note:								
BDL- Below detection limit.l DL- DL Indicates detection limit of instrument /method and shall be considered as 'absent'.								

Ambuja Cement

REGISTERED AD

No: ACL/BU/MINE/ 127 Dated: July 10, 2021

To,

Ministry of Environment & Forest
Paryavaran Bhavan
CGO Complex, Lodhi Road
NEW DELHI – 110003

Sub: Ground Water monitoring report of Ambuja Cements Ltd. (Unit: Bhatapara).

Dear Sir

Enclosed please find herewith the Ground Water Monitoring of **Maldi- Mopar Limestone Mines** for the quarter ending June 2021 (from April -2021 to June -2021), in favor of M/s Ambuja Cements Limited, (Unit Bhatapara).

Thanking You.

Yours faithfully,
For Ambuja Cements Ltd.
Unit: Bhatapara

Shiv Kumar Sahu
Sr. Manager
(Maldi Mopar Limestone Mines)

Encl: As above

Cc: **The Member of Secretary,**
Central Ground Water Authority,
West Block-II, Wing-3 (Ground Floor, Sector-1), R.K. Puram,
NEW DELHI- 110066.

The Additional Principal Chief Conservator of Forest
Ministry of Environment Forest & Climate Change
Regional Office (West Central Zone)
Ground Floor, East Wing "New Secretary Building"
Civil Lines, Nagpur - 4440001

The Regional Director,
Central Ground Water Board, North Central Chhattisgarh Region,
L. K Corporate & Logistic Park,
2nd Floor, NH-4, Dhamtari Road, Dumartarai - Raipur 492015

O/C

AMBUJA CEMENTS LIMITED, UNIT: BHATAPARA

MALDI-MOPAR LIMESTONE MINES

GROUND WATER MONITORING REPORT

FOR THE QUARTER ENDING JUNE-2021 (FROM April -2021 TO June -2021)

Station no.	Location	Water level April -2021	Water level May-2021	Water level June-2021
1	Khamariya Village	5.65	5.35	7.85
2	Topa Village	4.06	3.56	5.36
3	Arjuni Village	4.95	4.8	6.4
4	Maldi Village	5.1	5	6
5	Devrani Village	0.4	1.63	3.66
6	Mopar Village	0.16	0.31	0.78
7	Rawan Village	2.12	3.38	4.64
8	Karmada Village	1.21	0.19	1.59
9	Pausari Village	5.05	5.78	7.18
10	Chhuiha Village	0.02	1.22	2.42
11	Baloda Bazar	3.79	4.27	5.27
12	Latua Village	2.18	1.93	2.53
13	Dhabadih Village	5.08	5.18	6.43
14	Magarchaba Village	0.61	0.71	1.31
15	Amera Village	1.4	1.5	2.2
16	Risda Village	2.03	1.83	2.73
17	Chanpa Village	3.27	4.35	5.43
18	Semaradih Village	6.61	7.3	7.99
19	Chandih Village	0.2	0.31	0.42
20	Khelwari Village	5.84	6.71	7.58
21	Kukurdih Village	3.72	3.57	5.37

Shiv Kumar Sahu
Sr. Manager (MINES)

The Summarized Water Quality Data for the Quarter From April 2021 to June 2021										
Parameters	**Unit**	**Prescribed limits as per IS 10500**	**Piprabi DW**	**Bhatagaon DW**	**Topa DW**	**Bharseli DW**	**Rawan DW**	**Arjuni GW**	**Murhipar GW**	**Maldi GW**
pH value	mg/l	**6.5 to 8.5**	7.59	7.67	7.84	7.72	7.16	7.91	7.81	7.24
Total Dissolved solids, mg/l	mg/l	**2000**	438	518	416	436	139	169	171	289
Total hardness (as CaCO3) mg/l	mg/l	**600**	286	242	282	272	81.9	165.6	169.03	187.4
Alkalinity, mg/l	mg/l	**600**	172	190	198	192	32	56	76	146
Chlorides (as Cl) mg/l	mg/l	**1000**	85	77	99	66	18.24	28.93	18.73	23.97
Iron (as Fe) mg/l	mg/l	**0.3**	<0.02	<0.02	<0.02	<0.02	0.09	0.17	0.17	0.24
Fluoride (as F) mg/l	mg/l	**1.5**	<0.1	<0.1	<0.1	<0.1	BDL(DL-0.1)	0.31	0.24	0.18
Sulphate (as SO4) mg/l	mg/l	**400**	50	35	56	49	12.6	17.21	17.43	27.93
Nitrate (as NO3) mg/l	mg/l	**45**	4.40	7.8	10.3	10.4	BDL(DL-2)	12.68	8.56	7.19
Calcium (as Ca), mg/l	mg/l	**200**	74.00	63	73	79	21.93	47.64	51.29	56.21
Magnesium (as Mg)	mg/l	**100**	24.00	20.00	24.00	23.00	7.81	13.96	12.78	14.53

Note:

BDL- Below detection limit.l DL- DL Indicates detection limit of instrument /method and shall be considered as 'absent'.

Annexu- 16.5

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)
NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Maldi Mopar Limestone Mine		
Project Address:	M/s Ambuja Cements Limited, Unit Bhatapara, Po- Rawan, District – Balodabazar : Bhatapara, Pin ; 493331.		
Village:	Maldi	Block:	Bhatapara
District:	Baloda Bazar	State:	Chhattisgarh
Pin Code:			
Communication Address:	Shri Rajoo Joshi,(avp), M/s Ambuja Cements Limited, Unit Bhatapara, Po-Rawan, Tahsil Bhatapara, District - Balodabazar :, Bhatapara, Baloda Bazar, Chhattisgarh - 493331		
Address of CGWB Regional Office :	Central Ground Water Board North Central Chhattisgarh, 2nd Floor, Lk Corporate And Logistic Park, Dhamtari Road, Nh-30, Dumartarai, Raipur, Chhattisgarh - 492015		

1. **NOC No.:** CGWA/NOC/MIN/REN/1/2021/6607
2. Application No.: 21-4/427/CT/MIN/2017
3. Category: (GWRE 2020): Safe
4. Project Status: Existing With Additional Ground Water Requirment
5. NOC Type: Renewal
6. **Valid from:** 26/10/2021
7. **Valid up to:** 25/10/2023
8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
100.00	36500.00			174.00	63510.00		

9. Details of ground water abstraction /Dewatering structures

	Total Existing No.:3						Total Proposed No.:0					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	2	0	0	0	0	0	0	0	0	0
Dewatering Structure*	0	0	0	0	1	0	0	0	0	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

10. Ground Water Abstraction/Restoration Charges paid (Rs.): 208514.00
11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.

	No. of Piezometers	Monitoring Mechanism		
		Manual	DWLR**	DWLR With Telemetry
**DWLR - Digital Water Level Recorder	1	0	1	0

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.

2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.

4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.

6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.

7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

8) Industries abstracting ground water in excess of 100 m 3 /d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.

10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).

12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).

13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.

14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.

15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.

16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water..

17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.

18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.

19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.

20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.

21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.

22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.

23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.

25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.

26) In case of new infrastructure projects having ground water abstraction of more than 20 m3/day, the firm/entity shall ensure implementation of dual water supply system in the projects.

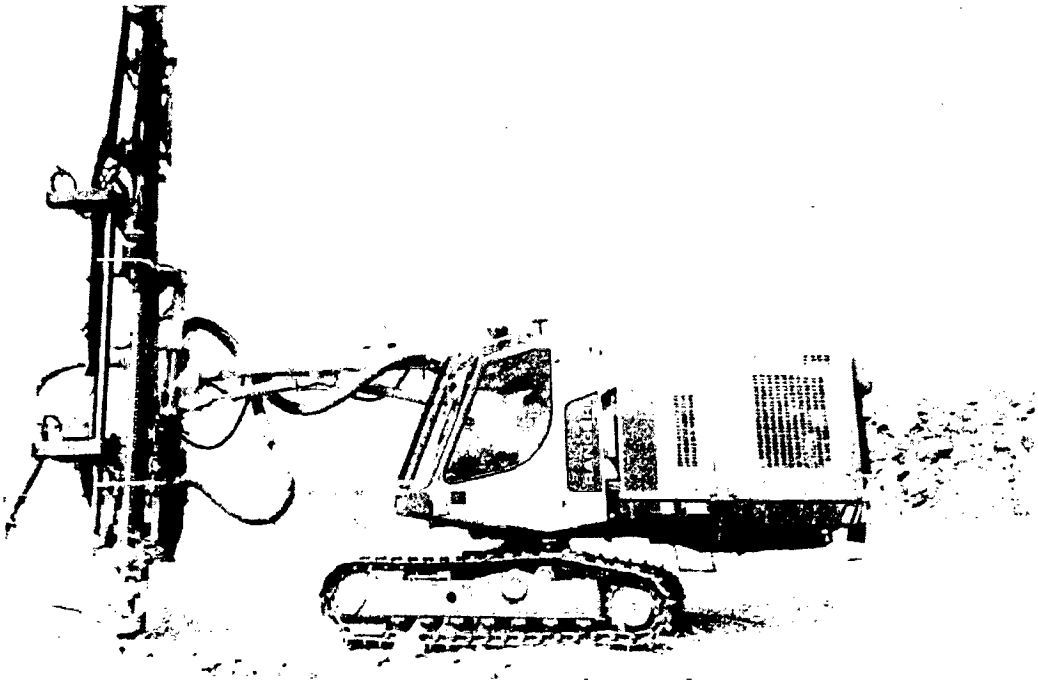
27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.

28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

Annexure- 17



Annexure - 18

REPORT ON
NEED BASED ASSESSMENT

for

MALDI-MOPAR LIMESTONE MINING PROJECT

of

Maldi, Mopar, Devarani,
Karmandih and Boirdih Villages, Baloda Bazar/Bhatapara Tehsils,
Raipur District, Chhattisgarh

for

M/s. Ambuja Cements Limited

Rawan,Tehsil Baloda Bazar, Dist Raipur
Bhatapara , PIN :493331

Prepared by

SRUSHTI SEVA PRIVATE LTD.

"Bilvadal" 8, Janta Layout, Deendayal Nagar,
Nagpur (Maharashtra) - 440022
Landline : 0712 2971968
Email- srspl15@gmail.com, srushtisewa@yahoo.com

APRIL 2022

ACRONYMS

AWC	:	Anganwadi Centre
BDO	:	Block Development Officer
BPL	:	below poverty line
BSR	:	Basic Schedule Rates
DGM	:	Deputy General Manager
FGD	:	focus group discussion
GoI	:	government of India
GRC	:	grievance redress committee
GRM	:	grievance redress mechanism
HIV/AIDS	:	Human Immunodeficiency virus / Acquired immunodeficiency syndrome
ICDS	:	Integrated Child Development Services
KII	:	Key Informant Interview
NGO	:	Non-Government Organization
OBC	:	Other Backward Castes
NTFP		non timber forest produces
PIA	:	Project Impact Area
PHC	:	Primary health center

INDEX

Sr. No.	Village Name	Tehsil	No of Households	Population			SC		ST		Literates	
				Total	M	F	M	F	M	F	M	F
40	Hasda	Bhatapara	159	734	364	370	130	146	60	48	256	175
41	Chichpol	Bhatapara	273	1530	755	775	20	11	335	349	461	310
42	Pausari	Bhatapara	172	941	486	455	182	155	130	124	343	222
43	Topa	Bhatapara	151	816	396	420	0	0	151	168	301	204
44	Tonatar	Bhatapara	528	2562	1266	1296	203	210	396	395	815	589
45	Parsadih	Bhatapara	115	557	269	288	0	0	242	267	183	123
46	Turma	Bhatapara	266	1292	656	636	162	158	80	74	375	237
47	Dhawai	Baloda Bazar	166	939	453	486	135	156	153	163	329	282
48	Purena	Baloda Bazar	90	524	267	257	0	0	209	206	170	121
49	Saloni	Baloda Bazar	387	1736	868	868	317	308	295	294	581	368
50	Deori	Baloda Bazar	339	1704	855	849	100	96	501	486	570	327
51	Mohtara	Baloda Bazar	450	2287	1154	1133	93	74	79	96	776	569
52	Chhuiha	Baloda Bazar	93	447	219	228	201	216	7	5	147	102
53	Parsabhadar	Baloda Bazar	174	921	450	471	1	1	172	193	303	242
54	Khairghata	Baloda Bazar	126	643	321	322	37	30	95	84	237	177
55	Suklabhata	Baloda Bazar	189	857	422	435	35	32	95	119	323	217
56	Latuwa	Baloda Bazar	1079	5363	2669	2694	371	391	401	427	1808	1243
57	Pausari	Baloda Bazar	323	1626	804	822	145	150	127	139	612	483
58	Bharseli Malgujari	Baloda Bazar	171	933	462	471	92	95	200	209	323	246
59	Karmada	Baloda Bazar	674	3548	1743	1805	162	143	364	353	1173	896

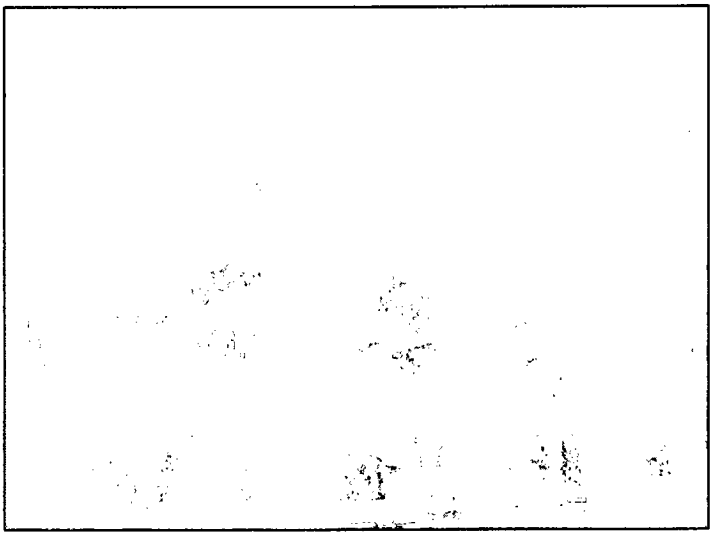
Sr. No.	Village Name	Tehsil	No of Households	Population			SC		ST		Literates	
				Total	M	F	M	F	M	F	M	F
60	Bhathagaon	Baloda Bazar	173	863	432	431	37	34	48	49	294	197
61	Gaitara	Baloda Bazar	323	1681	832	849	95	94	183	169	597	447
62	Khamhariya	Baloda Bazar	222	1067	542	525	376	355	105	106	391	260
63	Risda	Baloda Bazar	844	4293	2174	2119	851	783	167	165	1505	1056
64	Puran	Baloda Bazar	94	480	227	253	4	5	74	90	158	140
65	Bharuwadih	Baloda Bazar	176	915	476	439	163	158	49	54	302	212
66	Nawapara	Baloda Bazar	418	2634	1287	1347	135	151	30	45	735	498
67	Rawan (CT)	Baloda Bazar	1074	5100	2614	2486	180	186	186	183	2020	1543
68	Nawagaon	Bhatapara	190	899	425	474	71	71	0	0	290	241
69	Godkhapri	Baloda Bazar	108	574	288	286	10	9	248	256	237	179
70	Dasharma	Baloda Bazar	389	1896	949	947	305	285	304	319	643	426
71	Magarchaba	Baloda Bazar	158	721	364	357	12	19	181	170	245	165
72	Jhonka	Baloda Bazar	186	767	381	386	147	134	103	110	242	189
73	Budgahan	Baloda Bazar	153	786	388	398	91	91	114	115	285	212
74	Khamhriya (Khamriya)	Bhatapara	295	1417	702	715	360	379	47	45	482	353
75	Kesla	Bhatapara	279	1293	649	644	18	19	222	246	368	225
76	Ameri	Simga	162	866	434	432	146	113	6	2	310	224
77	Raweli	Simga	203	971	500	471	189	168	11	11	388	253
78	Diggi	Simga	251	1045	511	534	508	529	0	1	341	232
79	Khapri	Simga	80	338	170	168	164	162	0	0	121	98

Sr. No.	Village Name	Tehsil	No of Households	Population			SC		ST		Literates	
				Total	M	F	M	F	M	F	M	F
80	Chandi	Simga	281	1480	737	743	11	11	243	258	570	438
81	Jhipan	Simga	402	1772	923	849	179	149	69	62	661	498
82	Suhela	Simga	574	2935	1430	1505	163	188	26	32	1104	936
83	Tekari	Simga	223	1063	541	522	0	0	135	130	392	298
84	Amakoni	Simga	221	1322	655	667	126	127	76	91	450	329
85	Sinodha	Simga	527	2272	1150	1122	498	486	98	99	766	550
86	Sarseni	Palari	302	1431	717	714	96	83	92	110	543	386
87	Chuchrungpur	Palari	301	1440	718	722	374	368	49	61	501	378
88	Guma	Palari	342	1693	842	851	16	11	186	193	624	442
89	Saiha	Palari	300	1425	687	738	42	50	27	37	490	390
90	Belha	Palari	179	849	441	408	234	238	0	0	316	209
91	Parsadih	Palari	64	378	194	184	88	80	0	0	116	91
92	Achholi	Palari	438	2012	1025	987	542	530	91	103	696	498
93	Lohari	Simga	246	1101	538	563	108	112	4	3	410	342
94	Bhanwargarh(Bhawargarh)	Simga	115	609	305	304	44	38	34	50	230	177
	Total		**33369**	**166178**	**83193**	**82985**	**17543**	**17448**	**13309**	**13815**	**59028**	**43713**

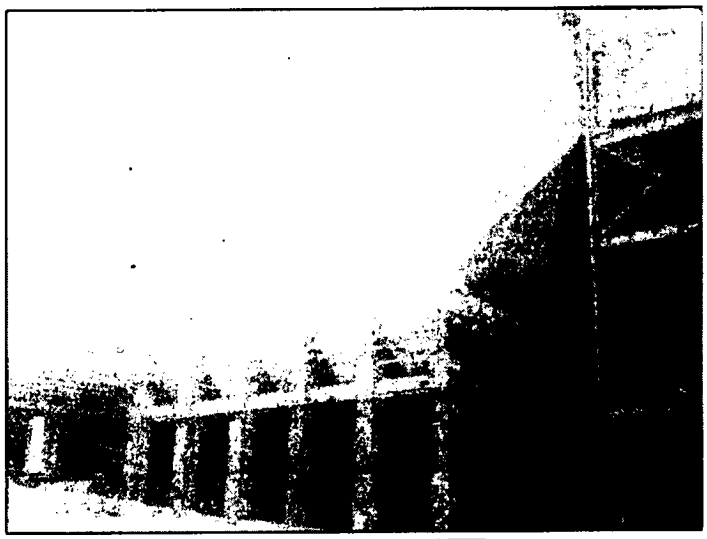
Annexure - 8: Focus Group Discussion/ Community consultation Survey Format

Areas	Observations
Health	
Public Health	
Veterinary Clinic	
Education	
Schools/Anganwadis	
Anganwadi Kitchen Shed	
Livelihood	
Handloom/Weaving, etc.	
Agriculture & Allied	
Forest/NTFP/Local Species	
SHGs	
Animal Husb.	
Dairy	
Sericulture	
Social/Agro Forestry	
Horticulture	
Water Resources, Irrigation source (River/Well/Tubewell)	
Enterprise Development	
Local Skills	
Soil and water conservation	
Others	
Infrastructure	
Road/Connectivity	
Electricity/Solar Power	
Drinking Water/Dug-well/tap water	
Sanitation/Water **SLWM** (Solid/liquid waste management)	
Playground/Public Park, etc.	
General Utility, Community Infrastructure/Gotul/Waiting Room, etc.	
Markets/Haats/Bazaars/Pashu Bazaars, etc.	
Water Bodies (lake, pond etc)	
Entrance Gate	
Computers/Internet, etc.	
Haudis (Drinking water arrangement for animal, cattle)	

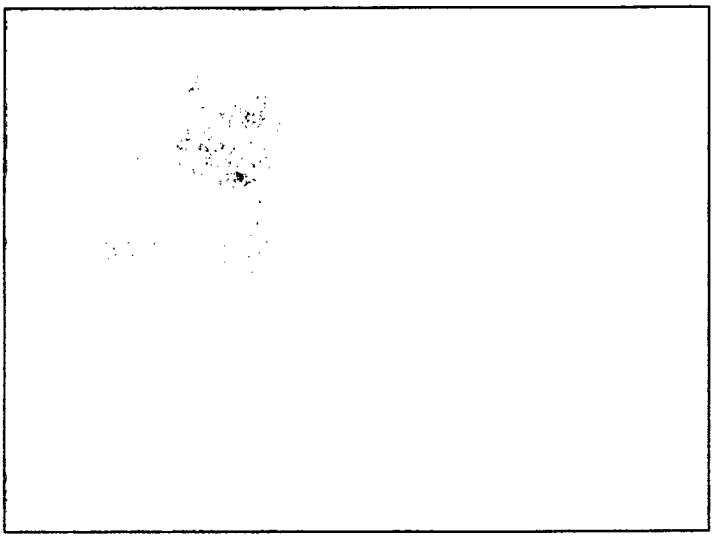
ANNEXURE-



ESP at TTP 15 MW



ESP at Cooler



Bag Filter at Crusher Stack

Hybrid Filter at Cement Mill

Sl.No.	THEMATIC WISE ACF BUDGET EXPENDITURE FOR FOUR FINANCIAL YEARS Program/Activity	Amount In Rs. F.Y.18-19	Amount In Rs. F.Y. 19-20	Amount In Rs. F.Y. 20-21	Amount In Rs. F.Y.21-22	Total
1	water Resource Development /Portable water facilities and drinking water	70,51,021	34,02,340	19,35,604	41,18,822	1,65,07,787
2	Education Development	10,77,402	18,92,266	8,29,219	19,47,288	57,46,175
3	Integrated Rural development Expenses	1,12,81,428	1,33,42,865	90,32,943	1,00,20,503	4,36,77,739
4	Health & Sanitation Development	17,54,908	38,75,718	52,13,775	87,45,743	1,95,90,144
5	Vocational Training Expenses	36,52,621	48,45,082	41,19,771	57,26,950	1,83,44,424
6	Agriculture development	33,51,396	36,79,360	40,09,319	53,37,507	1,63,77,582
7	Non conventional energy	7,70,000		6,26,500		13,96,500
8	Women Development	13,43,967	11,64,310	14,19,954	15,99,904	55,28,135
	Total	**3,02,82,743**	**3,22,01,941**	**2,71,87,085**	**3,74,96,717**	**12,71,68,486**

Annexue – 18

Annexure-19

Annexure-19

Ambuja Cement **Ambuja Cements Limited**

Address : P. O. Rawan Baloda Bazar.
Dist Raipur
Bhatapara , PIN :493331,

PAN No : AAACG0569P
GSTN No. : 22AAACG0569P1ZH

Cont. Person:
Tel. No. :
Fax No. :
E-Mail :

Vendor Code : 918045692
WOCK OLIVER,
PLOT NO 154 EPIP-I JHARMAJRI BADDI
,
SOLAN,,PIN:173205
Himachal Pradesh,India

GSTN No: 02AAAFW9416E1ZG
PAN No : AAAFW9416E
Tel No : 0172-2746321
FAX No :
E-Mail : wockoliver@gmail.com
Contact: KAVITA JAMWAE

Purchase Order

SAP PO No/Plant 2800882471/NE06
PO Date : 14.02.2022
PO Type : CAP(Capital)
Issuing Authority : PLANT SERVICES PROCUREMENT
Vendor's Ref/Qtn No :

Created by: Akhilesh KUMAR

Please Quote the GSTN Number, PO No., Line Item No, Name of the Works / Unit and the Contact Person in all correspondences (including the Delivery Challan/Invoice)

With reference to your quotation and subsequent negotiations, we are pleased to place this Purchase Order on you for the supply of following items/services subject to terms and conditions stated below and printed overleaf/attached with this purchase order

PO Item No / PR No / Dept	Item Code	Description & Specification	Delivery Date	Taxes/Duties Value	Qty	UOM	Price in INR	Total Discount	Amount in INR
00001/ 1000554542 / CIVIL		**Supply and installation of ETP15 KLD** The item covers the following Services: **1.**Supply and installation of ETP15 KLD SAC Code :995442	07.03.2022	Integrated GST 18%	1.000 1.000	JOB JOB	1,425,000.00 PER 1 JOB 1425000.00	 0	1,425,000.00 1425000.00

Gross Price after Disc in INR 1,425,000.00

Total in INR Fourteen Lakh Twenty Five Thousand Only 1,425,000.00

Header Information :

LD:1% PER WEEK SUBJECT TO 10% OF THE WORK ORDER VALUE.

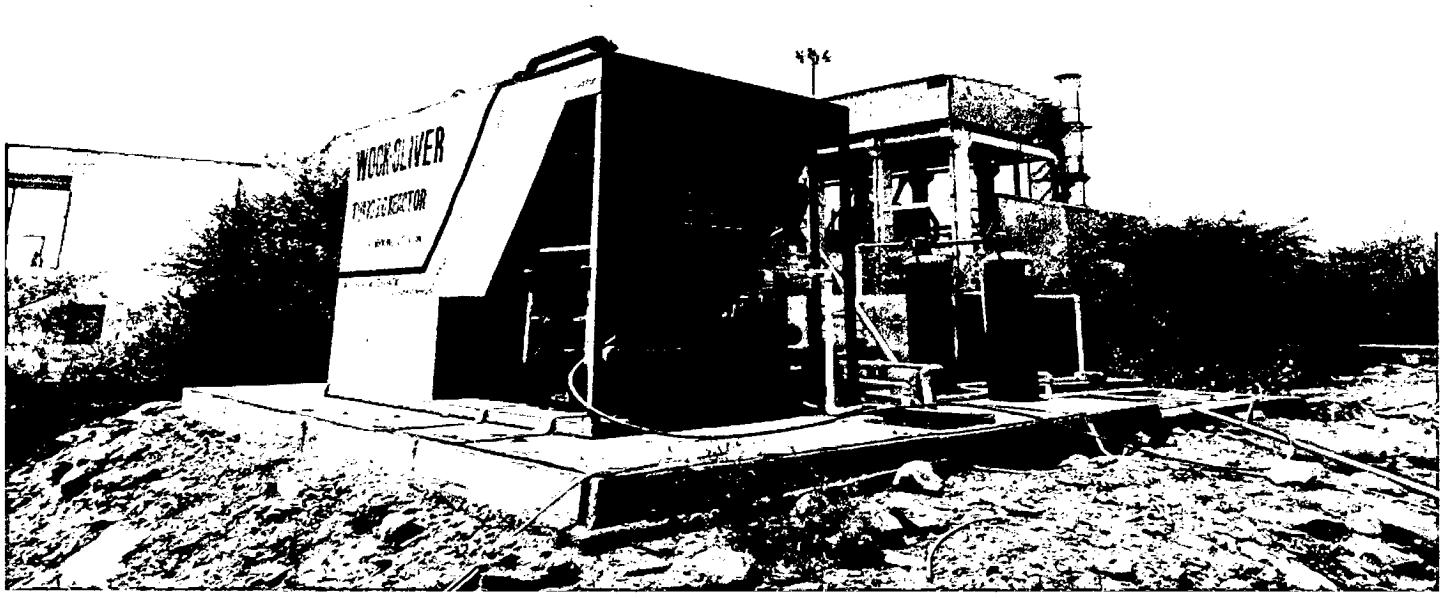
WARRANTY:18 MONTHS FROM THE DATE OF SUPPLY AND 12 MONTHS FROM THE DATE OF INSTALLATION WHICHEVER IS EARLIER

#IT IS A TURNKEY PROJECT
#BOM OF MATERIAL IS AS PER YOUR OFFER Ref: WO/ETP/20-21/024 dated 01.02.2022
#ACTUAL QUANTUM OF WORK & BILL TO BE VERIFIED AND APPROVED BY PLANT/ DEPARTMENTAL HEAD.
#TDS AND OTHER TAXES IF APPLICABLE WILL BE DEDUCTED AS PER GOVT NORMS
#PLEASE GIVE YOUR ORDER ACCEPTANCE THROUGH-E-MAIL/LETTER AS PER PURCHASE ORDER

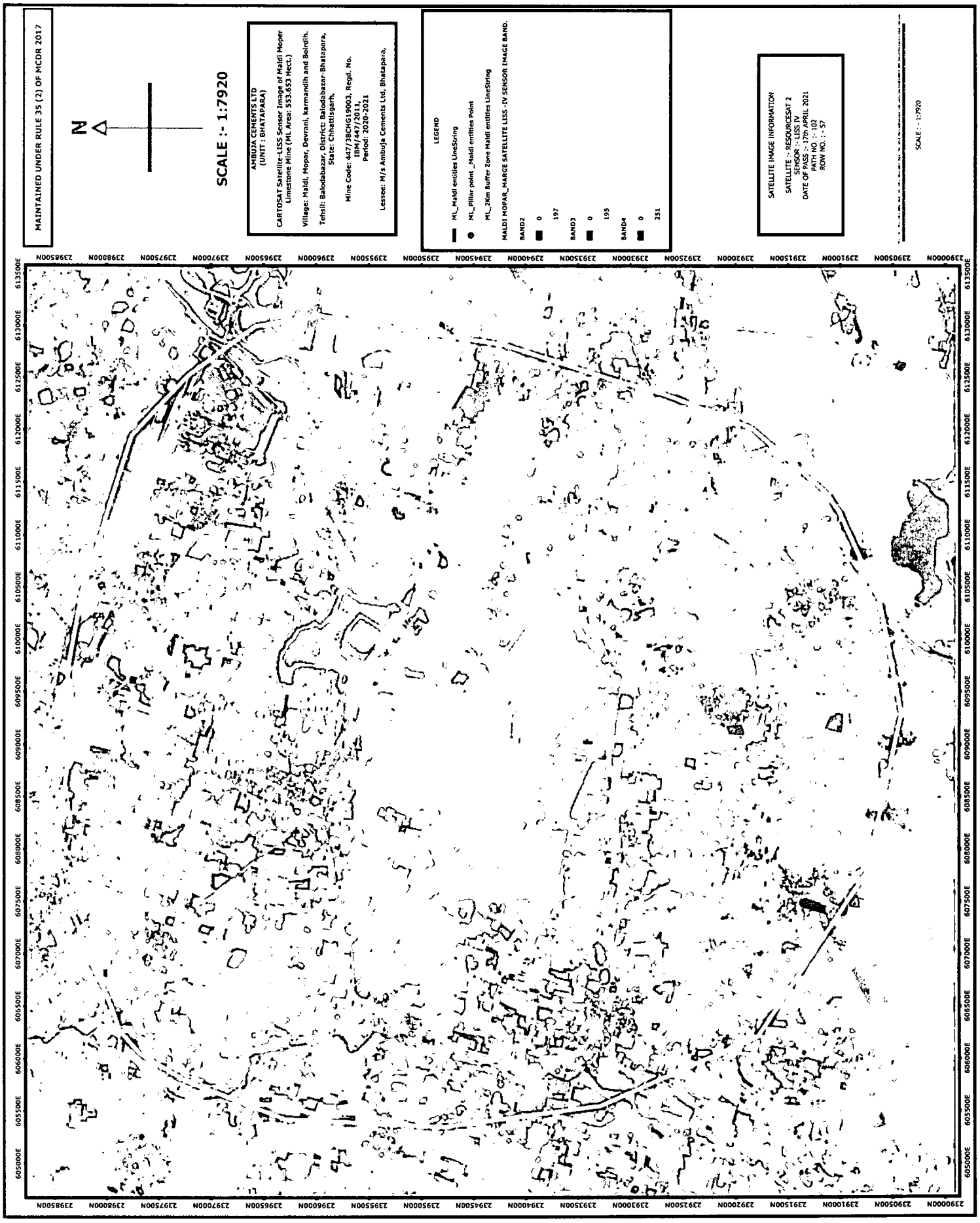
Annexure - 19

Annexure -20

Photograph of STP



Annexure-2


MAINTAINED UNDER RULE 35 (2) OF MCDR 2017
N
SCALE :- 1:7920
AMBUJA CEMENTS LTD
(UNIT : BHATAPARA)
CARTOSAT Satellite-LISS Sensor Image of Maldi Moper Limestone Mine (ML Area: 553.653 Hect.)
Village: Maldi, Mopar, Devrani, karmandih and Boirdih.
Tehsil: Balodabazar, District: Balodabazar-Bhatapara, State: Chhattisgarh.
Mine Code: 447/3BCHG19003, Regd. No. IBM/447/2011,
Period: 2020-2021
Lessee: M/s Ambuja Cements Ltd, Bhatapara,
LEGEND
ML_Maldi entities LineString
ML_Pillar point _Maldi entities Point
ML_2Km Buffer Zone Maldi entities LineString
MALDI MOPAR_MARGE SATELLITE LISS -IV SENSOR IMAGE BAND.
BAND2
0
197
BAND3
0
195
BAND4
0
251
SATELLITE IMAGE INFORMATION
SATELLITE :- RESOURCESAT 2
SENSOR :- LISS IV
DATE OF PASS :- 17th APRIL 2021
PATH NO. :- 102
ROW NO. :- 57
SCALE : - 1:7920

Annexure-22 A

Ambuja Cement

Ref: ACL/BYT/ENV/2022-23/ 01 **Dated : 16.04.2022**

To,

Superintendent Engineer
C.G. Environment Conservation Board
Paryavas Bhawan ,North Block Sector -19 Nava Raipur Atal Nagar
Raipur (C.G) - 492002

Sub: **Request for approval of locations of Ambient Air Quality Monitoring Station in Ambuja Cement Ltd., Unit Bhatapara Limestone Mine Area.**

Dear Sir,

This has reference to the EC Letter Vide No J-11015/252//2008 dated 13.08.2010 Specific Condition No XXIV and general Condition No 3 i.eg Project Authorities is directed to install ambient air Monitoring station in 4 different location in Core and buffer Zone area in consultation with State Pollution Control Board .

In compliance of the above, proposed Continuous Ambient Air monitoring locations and co-ordinates of the area are given below:

1. Ambient Air Monitoring Station CAAQMS-1 : 610221.145; 2395106.791
2. Ambient Air Monitoring station CAAQMS-2 : 609108.407; 2395337.639
3. Ambient Air Monitoring station CAAQMS-3 : 613354.654; 2396857.627
4. Ambient Air Monitoring station CAAQMS-4 : 613984.106; 2397200.541

The above mentioned station is marked in the attached layouts. You are requested to kindly accord your approval for the said station location.

Thanking you,

Yours faithfully,
For AMBUJA CEMENTS LIMITED
(Unit: Bhatapara)

(A. V. N. V. S. Murthy)
Unit Head

H.O.C.G. Environment Conservation Board
19/4/22

Encls: **Layout drawing copy marking Ambient Air Monitoring Location .**
Copy of EC Letter Maldi Mopar Mine .

AMBUJA CEMENTS LIMITED
(Unit - Bhatapara)
P.O. - Rawan, Tehsil : Balodabazar, District. : Balodabazar-Bhatapara, Chhatisgarh-493 331
Ph : 07727-220010 to 15, Fax : 07727-220004
CIN : L2694GJ1981PLC004717, **Website** : www.ambujacement.com
Registered Office : P.O. - Ambuja Nagar, Taluka - Kodinar, District - Gir Somnath, Gujrat, 362 715

Annexure-26

(FORM – O) 291- 350

(See rule 29F (2) and 29L)

Report of medical examination under rule 29B

(To be issued in triplicate)**

PN180 Certificate No.....

Certified that Shri/Shrimati* **SHANKAR LAL SEN** employed as **HEM OPERATOR** In **Rawan** mine, Form B No **325** has been

examined for an initial/**periodical medical examination**. **He**/she* appears to be **53** years of age.

The findings of the examining authority are given in the attached sheet. It is considered that Shri /Shrimati* **SHANKAR LAL SEN**

(a)* is medically fit for any employment in mines.

(b)* is suffering from..... ..... and is medically unfit for

(b) any employment in mine; or

(c) any employment below ground; or

(d) any employment or work.....

©* is suffering from..... .....is should get this disability* cured/controlled and should be again examined

within a period of .....months. He/She will appear for re -examination with the result of test

of..... ...and the opinion of .....Specialist from..... He/She may be permitted/not*

permitted to carry on his duties during this period.

Space for affixing Passport Size
Photograph of the Candidate.

Place : Rawan

Date : 05.04.2018

Signature of the examining authority

Name and designation in Block letters

DR.ASHISH SHUKLA,

CHIEF MEDICAL OFFICER, ACL

* Delete whatever is not applicable.

** One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post; and the third copy shall be retained by the examining authority,

Report of the examining authority
(to be filled in for every medical examination whether initial or periodical or re -examination or after cure/control of disability).

Annexure to Certificate No.....as result of medical examination on .....

Identification Mark : A scar mark over left forehead.

Left thumb impression of

The candidate

1. General development- **Good**/Fair/Poor

2. Height : 161 Cms.

3. Weight 63 kg.

4 Eyes :

(i) Visual acuity-Distant vision (with or **without** glasses).

Right eye 6/6 Left eye 6/6

(ii) Any organic disease of eyes : No

(iii) Night blindness : No

(iv) Colour blindness : No

(v)Squint (* to be tested in special cases) : No

1. Inserted vide notification No.GSR 656 dated 5.6.1980

(e) Ears :

(f) Hearing : right ear Normal Left ear : Normal

(g) Any organic diseases.

6.Respiratory system. Chest measurement :

(i)after full inspiration 94 cms.

(ii)After full expiration 90 cms.

7. Circulatory system:

Blood Pressure 130/80 mm of Hg

Pulse 75 / Mt.

8. Abdomen : Soft

Report off Medical Examination as per the recommendation of

National Safety Conference in Mines

(To be used in continuation with Form O)

Certificate No.....

Name : **SHANKAR LAL SEN**
Identification Marks : A scar mark over left forehead.
Cardiological Assessment

Auscultation	S1:	Regular
	S2	Regular
	Additional Sound	No
Electrocardiograph (12 leads) findings :		Normal

Enclosed ECG

1. Neurological Assessment

Findings	**Normal / Abnormal**
Superficial Reflexes	Normal
Deep Reflexes	Normal
Peripheral Circulation	Normal
Vibration Syndrmes	Normal

2. ILO Classification of Chest Radiograph:

Profusion of Pneumoconiotic opacities	**Grades**	**Types**
Absent	Nil	Nil

Enclosed Chest radiograph

Audiometry Findings :

Conduction Type	**Left Ear**	**Right Ear**
Ear Conduction	Normal	Normal
Bone Conduction	Normal	Normal

Enclosed Audiometry Report.

3. Pathological / Microbiological Investigations:

S No	Tests	Findings
1	Blood Tc, Dc, Hb, ESR, Plateles	WNL
2	Blood Sugar-Fasting & PP	WNL
3	Lipid profile	WNL
4	Blood Urea, Creatinine	WNL
5	Urine Routine	WNL
6	Stool Routine	WNL

Enclosed Investigation Reports.

4. Special Test or Mn exposure

Behavioral Disturbances		Present / Not Present
Neurological Disturbances	Speech Defect	Not Present
	Tremor	Not Present
	Adiadocokinesia	Not Present
	Emotional Changes	Not Present

5. Any other Special Test Required :

Signature of the Examination Authority

Ambuja Cements Limited
Chief Medical Officer
Unit-Bhatapara

Tenderness. : No

Liver. : Not Palpable

Spleen.: Not Palpable

Tumour. : No

9. Nervous system: Clinically NAD

History of fits or epilepsy : No

Paralysis. : No

Mental health. : Normal

10.Locomotory system : Normal

11. Skin. : Normal

12. Hydrocele. : No

13. Hernia.: No

14. Any other abnormality : No

15. Urine : NAD

Reaction. : Acidic

Albumin.: Nil

Sugar: Nil

16. Skiagram of chest. : Normal

17. Any other test considered necessary by the examining authority. : No

18. Any opinion of specialist considered necessary.: No

Place : Rawan

Signature of the examining authority

Ambuja Cements Limited
Chief Medical Officer
Unit-Bhatapara

Annexure-27

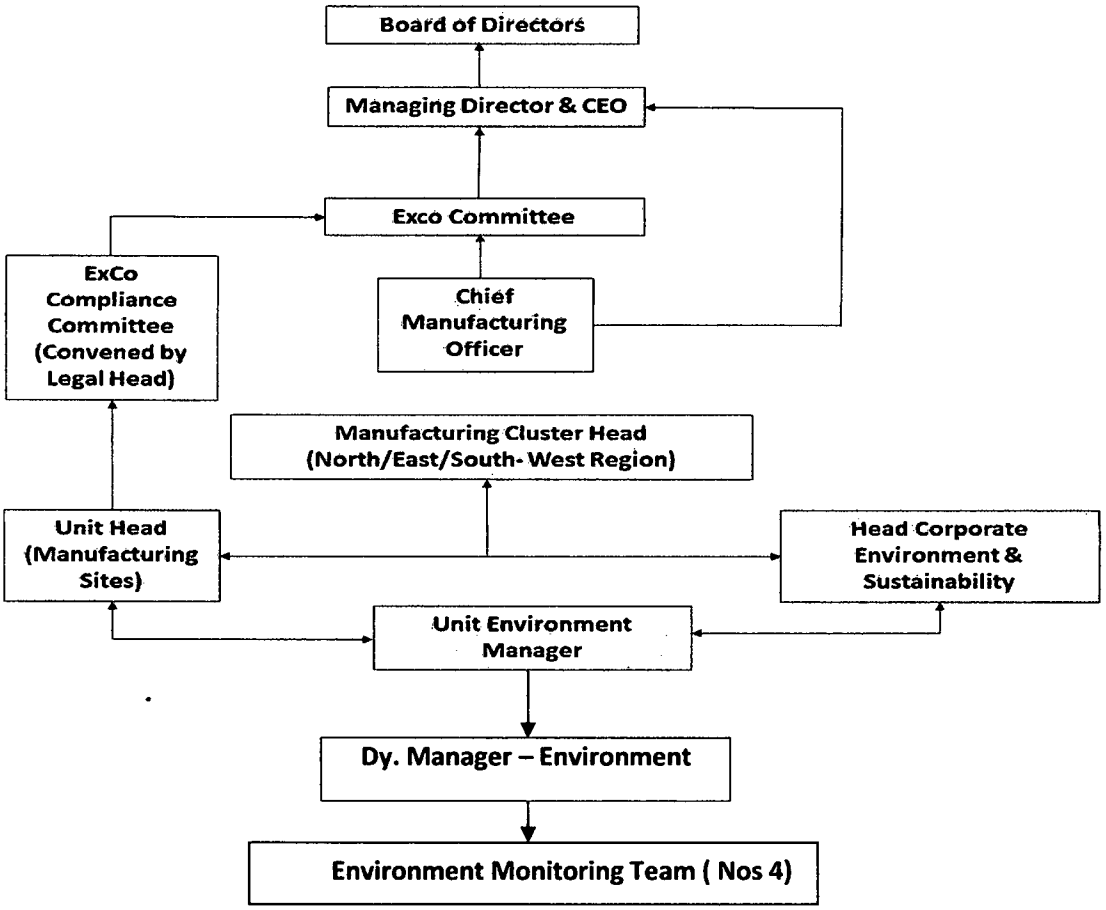
ENVIRONMENTAL MANAGEMENT CELL (EMC)

In order to maintain the environmental quality within the standards, regular monitoring of various environmental components is necessary. M/s.Ambuja Cements Ltd. Is maintaining/ will maintain a full-fledged Environmental Management Cell (EMC) for environmental monitoring and management. The EMC team is responsible for pollution monitoring aspects and implementation of control measures in the plant .

A group of qualified and efficient engineers with technicians has been deputed for maintenance, up keeping and monitoring of the pollution control equipment, to keep them in working at the best of their efficiencies.

Structure of EMC

Structure of Environment Management Cell at M/s. Ambuja Cements Ltd.



Structure of EMC at M/s. Ambuja Cements Ltd.

Responsibilities of EMC

The EMC looks after and implement the various functions to ensure that environmental status of the area remains within the statutory standard of MOEFCC and SPCB. The responsibilities of the EMC include the following:

- Procurement and commissioning of Pollution Control/Monitoring Equipment.
- Environmental monitoring of the core and buffer zone and evaluation of results. Keeping of records to track the surrounding environment quality status.
- Timely Calibration of Pollution Control Equipment and facilities.
- Specification and regulation of maintenance schedules for Pollution Control Equipment.
- Ensuring that prescribed standards are maintained.
- Implementation of the mitigation measures as suggested in EIA/EMP Report.
- Ensuring greenbelt development/plantation & its maintenance.
- Compliance with guidelines and statutory requirements.
- Coordination with statutory bodies, functional groups of the unit, Corporate Project / Environment & Engineering department etc.
- Organizing meetings of the Environmental Management Committee.
- Interaction with engineering & operation team for implementation of any modification programmes intended to improve the availability / efficiency of pollution control devices / systems.
- Carry out proactive environmental studies and observe all precautions necessary to avert disasters and emergencies in the mining observations as well as nearby areas.
- Regular environmental review and performance appraisal (Internal) and organizing Environmental / Energy and Water Audits by independent agencies/ 3rd party agencies.
- Coordination with the vendors dealing in waste supplies and disposal.
- Ensuring that the waste handling and disposal is carried out as per prescribed conditions.
- Conducting regular training programmes on various environmental requirements especially sustainable development, climate change, environmental monitoring etc.
- Reporting of compliances and non-compliances (if any) to management and other stakeholders.

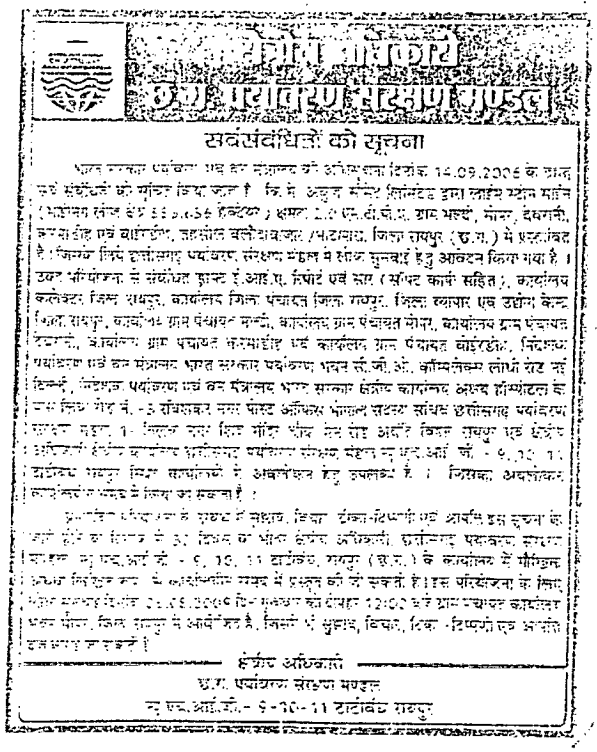
Annexure-28

Annexure - 14

List of Environmental Expenditure incurred existing and proposed for the Environmental Protection for Maldi Mopar Mine (Cost in Lacs.)

Sr. No	Particulars	2019-2020	2020-2021	2021-2022	2022-2023
1	Water Sprinkling on Haul road- 28 KL Water Tanker	200			
2	Bag filter Installation		50		
3	Dust Suppression and Sprinkler System on Limestone hopper and Conveyor			20	40
4	Sewerage Treatment Plant (STP) Cost	-	30		
5	Effluent Treatment Plant (ETP) Cost			30	
6	Rain water Harvesting Structures with Garland Drains - 1.7 Crores		100	70	
7	Green Belt Development			38	
8	CAAQMS Installation at Maldi Mopar Mine			159	
9	Environmental Monitoring			6	7
Total		**200**	**150**	**323**	**47**

Annexure – 29



सर्वसंबंधितों को सूचना

भारत सरकार पर्यावरण एवं वन मंत्रालय की अधिसूचना दिनांक 14.09.2006 के तहत सर्व संबंधितों को सूचित किया जाता है कि मे. अंबुजा सीमेंट लिमिटेड द्वारा लाईम स्टोन माईन (माइनिंग लीज क्षेत्र 553.656 हेक्टेयर) क्षमता 2.0 एम.टी.पी.ए. ग्राम मल्दी, मोपर, देवरानी, करमाडीह एवं बोईरडीह, तहसील बलौदाबाजार/भाटापारा, जिला रायपुर (छ.ग.) में प्रस्तावित है। जिसके लिये छत्तीसगढ़ पर्यावरण संरक्षण मंडल में लोक सुनवाई हेतु आवेदन किया गया है। उक्त परियोजना से संबंधित ड्राफ्ट ई.आई.ए. रिपोर्ट एवं सार (सॉफ्ट कापी सहित), कार्यालय कलेक्टर जिला रायपुर, कार्यालय जिला पंचायत जिला रायपुर, जिला व्यापार एवं उद्योग केन्द्र जिला रायपुर, कार्यालय ग्राम पंचायत मल्दी, कार्यालय ग्राम पंचायत मोपर, कार्यालय ग्राम पंचायत देवरानी, कार्यालय ग्राम पंचायत करमाडीह एवं कार्यालय ग्राम पंचायत बोईरडीह, निदेशक पर्यावरण एवं वन मंत्रालय भारत सरकार पर्यावरण भवन सी.जी.ओ. कॉम्प्लेक्स लोधी रोड नई दिल्ली, निदेशक पर्यावरण एवं वन मंत्रालय भारत सरकार क्षेत्रीय कार्यालय अक्षय हॉस्पीटल के पास लिंक रोड नं.-3 रविशंकर नगर पोस्ट ऑफिस भोपाल सदस्य सचिव छत्तीसगढ़ पर्यावरण संरक्षण मंडल 1- तिलक नगर शिव मंदिर चौक गेन रोड अवंति विहार रायपुर एवं क्षेत्रीय अधिकारी क्षेत्रीय कार्यालय छत्तीसगढ़ पर्यावरण संरक्षण मंडल न्यू एच.आई.जी.-9, 10, 11 टाटीबंध रायपुर स्थित कार्यालयों में अवलोकन हेतु उपलब्ध है। जिसका अवलोकन कार्यालयीन समय में किया जा सकता है।

प्रस्तावित परियोजना के संबंध में सुझाव, विचार, टीका-टिप्पणी एवं आपत्ति इस सूचना के जारी होने के दिनांक से 30 दिवस के भीतर क्षेत्रीय अधिकारी, छत्तीसगढ़ पर्यावरण संरक्षण मंडल, न्यू एच.आई.जी.-9, 10, 11, टाटीबंध, रायपुर (छ.ग.) के कार्यालय में मौखिक अथवा लिखित रूप से कार्यालयीन समय में प्रस्तुत की जा सकती है। इस परियोजना के लिए लोक सुनवाई दिनांक 06.08.2009 दिन गुरूवार को दोपहर 12.00 बजे ग्राम पंचायत कार्यालय भवन मोपर, जिला रायपुर में आयोजित है, जिसमें भी सुझाव, विचार, टीका-टिप्पणी एवं आपत्ति दर्ज कराई जा सकती है।

क्षेत्रीय अधिकारी
छ.ग. पर्यावरण संरक्षण मंडल
न्यू एच.आई.जी.- 9-10-11 टाटीबंध रायपुर

Hindustan Times Date - 04-07-2009

सर्वसंबंधितों को सूचना

भारत सरकार पर्यावरण एवं वन मंत्रालय की अधिसूचना दिनांक 14.09.2006 के तहत सर्व संबंधितों को सूचित किया जाता है कि-मे. अंबुजा सीमेंट लिमिटेड द्वारा लाईम स्टोन माईन (माइनिंग लीज क्षेत्र 553.656 हेक्टेयर) क्षमता 2.0 एम.टी.पी.ए. ग्राम मल्दी, मोपर, देवरानी, करमाडीह एवं बोईरडीह, तहसील बलौदाबाजार/भाटापारा, जिला रायपुर (छ.ग.) में प्रस्तावित है। जिसके लिये छत्तीसगढ़ पर्यावरण संरक्षण मंडल में लोक सुनवाई हेतु आवेदन किया गया है। उक्त परियोजना से संबंधित ड्राफ्ट ई.आई.ए. रिपोर्ट एवं सार (सॉफ्ट कापी सहित), कार्यालय कलेक्टर जिला रायपुर, कार्यालय जिला पंचायत जिला रायपुर, जिला व्यापार एवं उद्योग केन्द्र जिला रायपुर, कार्यालय ग्राम पंचायत मल्दी, कार्यालय ग्राम पंचायत, मोपर कार्यालय, ग्राम पंचायत देवरानी, कार्यालय ग्राम पंचायत करमाडीह एवं कार्यालय ग्राम पंचायत बोईरडीह, निदेशक पर्यावरण एवं वन मंत्रालय भारत सरकार पर्यावरण भवन सी.जी.ओ. कॉम्प्लेक्स लोधी रोड नई दिल्ली, निदेशक पर्यावरण एवं वन मंत्रालय भारत सरकार क्षेत्रीय कार्यालय अक्षय हॉस्पीटल के पास लिंक रोड नं.-3, रविशंकर नगर पोस्ट आफिस भोपाल, सदस्य सचिव छत्तीसगढ़ पर्यावरण संरक्षण मंडल 1- तिलक नगर, शिव मंदिर चौक, गेन रोड अवंति विहार रायपुर एवं क्षेत्रीय अधिकारी क्षेत्रीय कार्यालय छत्तीसगढ़ पर्यावरण संरक्षण मंडल न्यू एच.आई.जी.-9, 10, 11 टाटीबंध रायपुर स्थित कार्यालयों में अवलोकन हेतु उपलब्ध है। जिसका अवलोकन कार्यालयीन समय में किया जा सकता है।

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क्षेत्रीय अधिकारी
छ.ग. पर्यावरण संरक्षण मंडल
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Dainik Bhaskar Date - 04-07-2009