

Ref: CCIL/USO/EHS/2022-23/03

Dated: 11/11/2022

To,

The Director,
Ministry of Environment Forest & Climate Change
Govt. of India, Integrated Regional Office,
Guwahati, Assam.

Subject: Submission of Six-Monthly Compliance Report of the condition of environment clearance of **New Umrangshu Lime Stone Mines at Jamunanagar, Umrangshu, Dist. Dima Hasao, Assam by M/S Calcom Cement India Ltd.**

Dear Sir,

With reference to the stipulations of Environment Clearance, please find enclosed herewith the Six-Monthly Compliance report for the period of 1st April 2022 to 30th September 2022 for CCIL Mines, Umrangso. The compliance report will be uploaded in our company website www.dalmiabharat.com within 15 days.

Kindly acknowledge the receipt of the same.

Thanking you,

For Calcom Cement India Limited. (MINES)



(Authorized Signatory)

- CC to:
- 1) The Regional Executive Engineer,
Regional Office, Silchar, Pollution Control Board, Assam.
 - 2) The Zonal Officer
Central Pollution Control Board,
Shillong, Meghalaya-793 014.
 - 3) SEIAA Guwahati

Calcom Cement India Ltd.

Environmental Clearance - Half Yearly Compliance Report (April 22- Sept 22)

Ref: Environment Clearance No. J-11015/202/2011-IA.II(M), dated 11th June 2020. **New Umrangshu Lime Stone Mines at Jamunanagar, Umrangshu, Dist. Dima Hasao, Assam by M/S Calcom Cement India Ltd.**

	Conditions	Compliance Status				
A	<u>Specific Conditions</u>					
(1)	An amount of Rs. 251.04 Lakhs allocated for the CER shall be spent within 3 years for the activities such as hospital infrastructures, school infrastructure, village roads, ODF programme, rain water harvesting, and other concerns raised during the public hearing.	Village Road – 4 Km stretch from 19 kilo to Borothingrang completed. Rest will have Complied in due course of time.				
(2)	Green belt shall be developed with a total of 490890 saplings with a fund allocation of Rs. 6 Crs. At the conceptual stage, out of the total lease area i.e. 417.50 ha, about 327.26 ha area shall be covered under greenbelt and plantation (including 204.08 ha on mined out benches, 55.0 ha area around office and crusher area and 72.0 ha area on dump area). Green belt shall be developed all along the haul roads, around the mine pit, periphery of the mining lease area, etc. Plantation shall be done on mines out benches, waste dump area, around mine office & crusher area. Plantation will be done at @1500 plant/ha. The trees shall be planted at suitable grid spacing to encourage proper growth and species shall be planted according to CPCB guidelines such as Emblica Officinalis (Amla), Acacia catechu (Kher), Terminalia arjuna (Arjun), Albizziao doratissima (Chichwa), Anthocephalus cadamba (Kadam), Ficus religiosa (pipal), Aeglemarmelos (Bel), Madhuca indica (Mahua), Terminalia tementosa (Saja), Anogeissuslata folia (Dhaora), Dalbergia sisso (Sisam) etc.	Plantation shall be done during the Monsoon season. In this stage from 1 st Jan 2022 we have successfully completed two quarter ending which is given below: <table border="1" data-bbox="824 1108 1479 1451"> <tbody> <tr> <td align="center">Afforestation within lease area (Ha/ No. of Plants)</td> <td>WML: 425 saplings (0.14 Ha) with 96% of survival rate.</td> </tr> <tr> <td align="center">Afforestation outside ML (Ha/ No. of plants)</td> <td>800 saplings (0.45 Ha) with 97.75% of survival rate.</td> </tr> </tbody> </table>	Afforestation within lease area (Ha/ No. of Plants)	WML: 425 saplings (0.14 Ha) with 96% of survival rate.	Afforestation outside ML (Ha/ No. of plants)	800 saplings (0.45 Ha) with 97.75% of survival rate.
Afforestation within lease area (Ha/ No. of Plants)	WML: 425 saplings (0.14 Ha) with 96% of survival rate.					
Afforestation outside ML (Ha/ No. of plants)	800 saplings (0.45 Ha) with 97.75% of survival rate.					
(3)	Garland drain of adequate cross section shall be made all along the quarry area measures shall be taken to	Garland drain will be done during the due course of time.				

	avoid the erosion and contamination of the surrounding area.	
(4)	Controlled blasting shall be carried using the NONELs and fly rock control measures.	It's an ongoing process.
(5)	In pursuant to ministry OM No 22-32/2018 -IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P (Civil) NO 114/2014 in the matter Common Causes vs Union of India, the mining lease holder shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	Will be Complied at the time closure of mines.
B	Standard Conditions	
(I)	Statutory Compliance	
(1)	This environmental clearance (EC) is subjected to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.	Noted and abide.
(2)	The project proponent complies with all the statutory requirements and judgement of Hon'ble Supreme Court dated 2 nd August 2017 in write petition (Civil) no 114 of 2014 in matter of Common Causes versus Union of India & Ors before commencing the mining operations.	Noted and abide.
(3)	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the project Proponent through their respective Department of mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2 nd August, 2017 in Writ Petition (Civil) No 114 of 2014 in matter of common causes verses union of India & Ors.	Complied
(4)	This environment clearance shall become operational only after receiving former NBWL clearance from MOEF&CC subsequent to the recommendations of the	- NA -

	standing committee of national board for wildlife, if applicable to the Project.	
(5)	This environmental clearance shall become operational only after receiving formal forest clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.	Obtained Forest Clearance Attached as An Annexure-I
(6)	Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the condition stipulated therein. The mining activities shall not commence prior to obtaining Consent to Establish / Consent to Operate from the Concerned State Pollution Control Board/ Committee.	Obtained Both CTE & CTO. Attached is an Annexure-II
(7)	The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act 2015 and rules & regulations made there under. PP Shall adhere to various circular issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.	Agreed and working as per statutory acts, Rules & regulations
(8)	The project Proponent shall obtain Consent from all the Concerned land owners, before start of mining operations, as per the provision of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.	- NA -
(9)	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M), dated 29 th October 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	Agreed and shall be complied with in applicable areas.
(10)	The Project Proponent Shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.	- NA -
(11)	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion	Complied

	/ representation has been received while processing the proposal.	
(12)	State Pollution Control Board / Committee shall be responsible for display of this EC letter at its regional office, District Industries Centre and Collector's office/Tehsildar office for 30 days.	Complied
(13)	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and website of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	Complied. Attached Is an Annexure-III
(14)	The Project Proponent shall inform the MoEFCC for any change in ownership of the mining lease. In case there is any changes in ownership or mining lease is transferred then mining operation shall only be carried out after transfer of EC as per provision of the para 11 of EIA Notification, 2006 as amended from time to time.	Agreed.
II	Air quality monitoring and preservation	
(1)	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120 ^o is made between the monitoring locations to monitor critical parameters, relevant for mining operations of air pollution viz PM ₁₀ , PM _{2.5} , NO ₂ , CO and SO ₂ etc. as per the methodology mentioned in NAAQS notification No. B-290 16/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building,	The ambient air Monitoring report is attached as an Annexure-IV

	canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main gate of the Mines site.	
(2)	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in area prone to air pollution wherein high level of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The fugitive dust emission from all source shall be regularly controlled by installation of required equipment's/ machineries and preventive maintenance.	Is being done through Water sprinklers tankers.
(3)	Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central pollution Control Board.	Is being done.
III.	Water quality monitoring and preservation	
(1)	In case immediate mining scheme envisages intersection of ground water table, then Environmental Clearance Shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from GCWA and MoEFCC is in place before such mining operations. The permission for intersection of groundwater table shall essentially be based on detailed hydro- geological study of the area.	- NA -
(2)	Regular monitoring of the flow rate of the Springs and perennial nallahs flowing in and around the mine Lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The water table should be Nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to	No natural water and or streams were disturbed.

	<p>the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over groundwater table. The report on changes in groundwater level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, GCWA and State Groundwater Department / State Pollution Control Board.</p>	
(3)	<p>Project Proponent Shall regularly monitor and maintain records w.r.t ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority / State Ground Water Department. The report on changes in groundwater level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.</p>	<p>- NA -</p>
(4)	<p>The project Proponent Shall undertake regular monitoring of natural water course/ water resource/ Springs and perennial nallahs existing/ flowing in and around the mine lease and maintains its records. The Project Proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby / adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t to pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for uses as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MOEFCC. The monitoring of water courses/ bodies existing in lease area shall carried out four times in a year viz. pre-monsoon (April- may), monsoon (August), post monsoon (November) and winter (January) and the</p>	<p>Noted and attached as an Annexure -V</p>

	record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board clearly showing the trend analysis of six-monthly basis.	
(5)	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in Mines run off, acid mine drainage and metal contamination in runoff shall be monitored along with Total Dissolved Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solid (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the company. The circular No J- 20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	NA
(6)	Project proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment groundwater resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MOEFCC annually.	Agreed and will be complied
(7)	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	Noted. Will be complied with after full-fledged auto garage operation.
(8)	The water balance water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported on the regional office of	Noted. Will be complied in due course of time.

	the MOEFCC and State Pollution Control Board/ Committee.	
IV.	Noise and vibration monitoring and prevention	
(1)	The peak particle velocity of 500 m distance or within the nearest habitation, whichever is closer Shall be monitored periodically as per applicable DGMS guidelines.	Agreed and will be complied with during actual mining operations.
(2)	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health of the villages located close to mining operations. Habitation have a right for darkness and minimal noise level at night. PPs must ensure that the biological clock of the village is not disturbed, by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limit for day/ night hours.	NA
(3)	The Project Proponent shall take measure for control of noise level below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with earplugs/muffs. All personnel including laborers working in dusty area shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held Reigns responsible in case it has been found that worker/ personals/laborers are working without personal protective equipment.	Noted and complied.
V.	Mining plan	
(1)	The project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal within year -wise plan was mentioned for total excavation i.e. quantum of mineral, Waste, overburden, Inter burden and top soil etc. No change on basic mining proposal like mining technology, total excavation, mineral and waste production, Lease area and a scope of working (viz. method of mining, overburden and dump	Agreed and will be complied.

	management, OB and dumping mining mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Government in the form of Short Term Permit (STP), Quarry license or any other name.	
(2)	A Project Proponent Shall get the final mine closure plan along with financial assurance approved from Indian Bureau of Mines Department of Mining and Geology as required under the provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.	Agreed and will be compiled at the time of closure of mining.
(3)	The land- use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved mining plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated area until the vegetation become self- sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional office.	Agreed and will be complied.
VI.	Land reclamation	
(1)	The overburden (O.B) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the overburden dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/ circulars issued by D.G.M.S w.r.t safety in mining operations shall be strictly adhered to	Agreed and will be complied.

	maintain the stability of top soil/ over burden dumps. The topsoil shall be used for land reclamation and plantation.	
(2)	The reject/waste generated during the mining operations shall be stacked at earmarked waste dump sites only. The physical parameter of the waste dumps like height width and slope and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.	Agreed and will be complied.
(3)	The reclamation of waste dump site shall be done in scientific manner as per the approved mining plan cum progressive mine closure plan.	Agreed and will be complied.
(4)	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climate parameters and help in adaptation of plant species in the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo membranes/ clay liners/ Bentonite etc. shall be undertaken for stabilization of the dump.	Agreed and will be complied.
(5)	The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MOEFCC.	Agreed and will be complied if height of the dumps is more than 30 Meters.
(6)	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and top soil/ over burden/ waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Ponds etc.) The collected water should be utilized for watering the mine area, roads, Green belt	Agreed and will be complied post actual mining operations.

	development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season and maintained properly.	
(7)	Check dams of appropriate size, gradient and length shall be constructed around mine pit and over burden dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structured over and above peak rainfall (based on 50-year data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corner of the Garland drains.	Agreed and will be complied at applicable locations.
(8)	The topsoil, if any, shall temporarily be stored at earmarked site within the mine lease only and should not be kept unutilized for long. The physical parameter of the topsoil dumps like height, width and angle of slope shall be governed as per the approved mining plan and as per the guidelines framed by DGMS w.r.t safety in mining operations shall be strictly adhered to maintain the stability of dumps. The top soil shall be used for land reclamation and plantation purpose.	No top Soil
VII.	Transportation	
(1)	No transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters), so that the adverse impact of sound and dust along with chances of accident could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Government Department only after required strengthening such that the carrying capacity of road is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water	NA

	sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should of obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.	
(2)	The main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mines lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yard etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment's like bag filter, vacuum suction hoods, dry fogging system etc. shall be installed at crushers, belt-conveyors and other area prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.	Is being done through Water sprinklers tankers.
VIII.	Green Belt	
(1)	The Project Proponent shall develop Greenbelt in 7.5-meter-wide safety zone all along the mine lease boundary as per the guideline of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of Greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.	Agreed and will be complied during the due course of time
(2)	The project proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community area etc. by planting the native species in consultation with the state Forest Department/ Agriculture Department/ Rural development Department/ Tribal Welfare Department/ Gram panchayat t such that only those species be selected	Agreed and will be complied during monsoon season.

	<p>which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 sapling per hectare. Adequate budgetary provision shall be made for protection and care of trees.</p>	
(3)	<p>The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine list. The development of such grazing land shall be done in consultation with the state government. In this regard, Project Proponents should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse tree on such grazing ground, which provide mid- day shelter from the scorching sun, should be is scrupulously guarded/ protected against felling and plantation of such trees should be promoted.</p>	<p>Agreed and shall be done at applicable areas.</p>
(4)	<p>The Project Proponent shall undertake all precautionary measure for conservation and protection of endangered flora and fauna and schedule-1 species during mining operations. A Wildlife Conservation plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The plan shall be approved by Chief Wildlife Warden of the State Govt.</p>	<p>Noted. Will be complied with for applicable flora.</p>
(5)	<p>And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.</p>	<p>NA</p>
IX.	<p>Public hearing and human health issues</p>	
(1)	<p>The Project Proponent shall appoint an occupational health specialist for regular as well as periodical medical examination of the workers engaged in the mining activities, as per the DGM's guidelines. The records shall be maintained properly. PP shall also carry out occupational health Check-ups in respect of workers which are having ailments like BP, diabetes,</p>	<p>Noted. and attached annexure- VI</p>

	<p>habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measure be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half yearly basis.</p>	
(2)	<p>The Project Proponent must demonstrate commitment to work toward 'Zero Harm' from their mining activities and carry out health risk assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measure to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problem like malaria, tuberculosis, HIV, anaemia, diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for sanitation, personal hygiene, hand washing, not to defecate in open, woman health and hygienic (providing sanitary napkins), hazard of tobacco and alcohol use. The proponent shall carry out baseline HRA for all the category of worker and thereafter every five years.</p>	<p>Agreed and will be complied in due course of time.</p>
(3)	<p>The proponents all carry out occupational health surveillance which be a part of HRA and include biological monitoring where practical and feasible, and the test and investigations relevant to the exposure (e.g. for dust X Ray chest for noise audiometric, for lead exposure blood lead, for welder full ophthalmologic assessment, for manganese miners a complete neurological assessment by a certified neurologist and manganese (Mn) estimation in blood, for inorganic chromium fortnightly skin inspection of hands and forearms by a responsible person. Except routine test all tests would be carried out in a lab accredited by NABH. Records of health surveillance must be kept for 30 years including the result of and the records of physical examinations and tests. The record of exposure due to material like asbestos, hard rock</p>	<p>Agreed and will be complied.</p>

	<p>mining, silica, gold, kaolin, aluminum, iron, manganese, chromium, lead, uranium needs to be handed over to the mining Department of the state in case of life of the mines is less than 30 years. It would be obligatory for the state mines Departments to make arrangement for the safe and secure storage of the records including X-Ray. Only conventional X- Ray will be accepted for record purpose and the digital one). X-Ray must made ILO criteria (17 X 14 inches and of good qualities).</p>	
(4)	<p>The prominent Sal maintain a record of performance indicator for workers which include (a) there should not be a significant decline in their body mass index and it should stay between 18.5 - 24.9 (b) the final chest X-Ray compared with the base line X- Ray should not show any capacities, (c) At the end of their leaving job there should be no Diminution in their lungs functions forced expiratory volume in one second (FEV1), forced vital capacity (FVC) and the ratio unless they are a smoker which has to be adjusted, and the effect of age (d) their hearing should not be affected. As a proof an audiogram (first and last need to be represented), (e) they should not have developed any persistent back pain, neck pain and the moment of their hip, knee and other joint should have normal range of movement, (f) they should not have suffered loss of anybody part. The record of the same should be submitted to the Regional Office, MOEFCC annually along with details of the relief and compensation paid to workers having above indications.</p>	<p>Agreed and will be complied in during due course of time.</p>
(5)	<p>The Project Proponent ensure that personal working in dusty area should wear protective respiratory devices and this should also be provided with educate training and information on safety and health aspects.</p>	<p>Agreed and complied.</p>
(6)	<p>Project Proponents shall make provision for the housing for workers/ labor or shall construct labor camp within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creches for kids etc. The</p>	<p>Agreed and complied.</p>

	housing may be provided in the form of temporary structure which can be removed after Completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	
(7)	The activities proposed in action plan prepared for addressing the issues raised during the public hearing shall be completed as per the budgetary provision mentioned in the action plan and within the stipulated time frame. The status report on implementation of action plan shall be submitted to the concern regional office of the ministry along with district administration.	Agreed and will be complied in due course of time.
X.	Corporate Environment Responsibility (CER)	
(1)	The activities and budget earmarked for corporate environmental responsibility (CER) as per ministry O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude and longitude of infrastructure developed and road constructed needs to be submitted to Regional Office MoEFCC annually along with audited statement.	CER amount kept Rs. 2.51 Cr. All agreed works shall be done as per the schedule mentioned in the EC
(2)	Project Proponent shall keep the funds earmarked for Environmental Protection measures in a separate account and refrain from diverting the same for other purpose. The year wise expenditure of such funds should be reported to the MOEFCC and its concerned Regional Office.	Noted and will be complied with in due course of time.
XI.	Miscellaneous	
(1)	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEFCC.	Agreed and will be complied with in due course of time.

(2)	The Project authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied
(3)	The Project Proponent shall submit 6 monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC and it concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	Agreed and complied.
(4)	A separate “Environment Management Cell” with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified environmental scientists and mining engineers shall be appointed and submitted a report to RO, MOEFCC.	Agreed and complied.
(5)	The concerned Regional Office of the MOEFCC Shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.	Agreed

GOVERNMENT OF ASSAM
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS AND
HEAD OF FOREST FORCE, ASSAM
ARANYA BHAWAN, PANJABARI, GUWAHATI-37

Email: adtlpccf.nodal@gmail.com

No. FG.27/ Nodal/ Proposal/ Calcom Cement/ Part-II

Date: 09.12.2019

To

The Chief Conservator of Forests
Dima Hasao District, Assam, Haflong

Sub: Diversion of 425.5 Ha of Forest land of USF area in New Umrangso Village, Dima Hasao District (N.C. Hills) for open cast mining of limestone in favour of M/s Calcom Cement India Ltd.

Ref: Government of India's letter No. 8-11/2019Fc dated 25.11.2020.

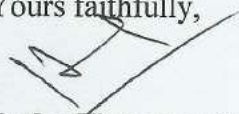
Sir,

With reference to the above, Please find enclose herewith the "Final Approval" letter granted by Government of India vide letter No. 8-11/2019Fc dated 25.11.2020 against diversion of diversion of 425.5 Ha of Forest land of USF area in New Umrangso Village, Dima Hasao District (N.C. Hills) for open cast mining of limestone in favour of M/s Calcom Cement India Limited. You are, therefore, requested to provide your comments on whether to go for the Final Notification as the Compensatory Afforestation land is already handed over to department by Council taking all the clearances from claims and encumbrances

Please note that issue of final notification for the proposed Compensatory Afforestation area as reserved forest/protected forest prior to handing over the land to the user agency is mandatory.

Encl: As stated above.

Yours faithfully,


(Dr. C Muthu Kumaravel, IFS)
Chief Conservator of Forest &
Nodal Officer, (F.C. Act), Assam

Copy to:

1. The Principal Secretary to the Government of Assam, Environment & Forest Department, Dispur, Guwahati-6 for kind information.
2. The Divisional Forest Officer, Dima Hasao Forest Division (West), Haflong for information.
3. M/s Calcom Cement India Ltd., 4th Floor, Anil Plaza-II, ABC, G.S. Road Guwahati -5 for information.


Chief Conservator of Forests &
Nodal Officer (FC Act), Assam

o/c

(338)

Government of India
Ministry of Environment, Forest and Climate Change
(F.C. Division)

Indira Paryavaran Bhawan,
Jor Bagh Road, Aliganj,
New Delhi: 110003,

Dated: 25th November, 2020

To,

The Addl. Secretary (Forests),
Government of Assam,
Environment and Forest Department,
Dispur, Guwahati-6.

Sub: Diversion of 425.5 Ha. Forest land of USF area in New Umrangshu Village, Dima Hasao Dist. (North Cachar Hills) for opencast mining of limestone in favour of M/s Calcom Cement India Ltd.:reg.

Sir,

I am directed to refer to the State Govt. of Assam's letter No.FRS.53/2019/93 dated 15.03.2019 on the subject mentioned above seeking prior approval of the Central Govt. under Section-2 of the Forest (Conservation) Act, 1980 (FCA-1980) and to say that the proposal has been examined by the Forest Advisory Committee (FAC) constituted by the Central Govt. under Section-3 of the aforesaid Act. After careful consideration of the proposal by the FAC and after its recommendation, and approval of competent authority in the Ministry, *In-principle/Stage-I* approval was accorded vide this Ministry's letter of even number dated 23.08.2019 subject to fulfillment of certain conditions. The State Govt. has furnished compliance report in respect of the conditions stipulated in the approval and has requested the Central Govt. to grant the final approval.

2. In this connection, I am directed to say that on the basis of the compliance report furnished by the State Govt. of Assam's letters No. FRS.53/2019/93 dated 27.07.2020 and No. FRS.53/2019/189 dated 28.08.2020, and clarification on FRA by Ministry of Tribal Affairs vide its letter No.23011/20/2020-FRA dated 30.10.2020, *approval* of the Central Govt. is, hereby, accorded under Section-2 of the FCA-1980 for diversion of 425.5 Ha. Forest land of USF area in New Umrangshu Village, Dima Hasao Dist. (North Cachar Hills) for opencast mining of limestone in favour of M/s Calcom Cement India Ltd., subject to following conditions:

A: Conditions which need to be complied prior to handing over of forest land to user agency by the State Govt.:

- The Govt. of Assam, Environment and Forest Department shall issue final notification for the proposed CA area as reserved forest/protected forest prior to handing over the land to the user agency. State Govt. shall ensure that the CA area in the final notification shall not be changed without prior approval of Govt. of India and shall not be less than 425.5 ha as proposed in the in the government of Assam notification no FRS 53/2019/123 dated 1st June 2020.
- The State Govt. shall ensure the complete compliance on FRA, 2006 ;

B: Conditions which need to be complied after handing over of forest land to the user agency by the State Govt.:



- i. Legal status of the diverted forest land shall remain unchanged;
- ii. The State Govt. shall ensure that the State Forest Department will raise the Compensatory Afforestation in identified 425.5 ha. non -forest land in village Boro Langherang Village of Dima Hasao West Forest Division, Dima Hasao Distt., Assam in lieu of 425.5 Ha. of forest land, within three years from the issue of approval and maintained thereafter, from the funds deposited by the User Agency. At least 1000 plants per hectare shall be planted as per approved plan/scheme and maintained thereafter subsequently for ten years'. The approved Soil and Moisture Conservation (SMC) activities on the CA land shall be carried out by the State Forest Department;
- iii. The User Agency shall pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;
- iv. The State Govt. and the user agency shall ensure that 11 ha of moderately dense forest as identified by Regional office in SIR and for which KML/shape file provided, shall maintain as green belt under supervision of State Forest Department;
- v. The State Govt. and the user agency shall ensure that no residential or labour colony shall be constructed over forest land;
- vi. The State Govt. and the user agency shall ensure that period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under;
- vii. The State Govt. shall ensure that the User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;
- viii. The State Govt. shall ensure that no labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;
- ix. The State Govt. shall ensure that the forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government and the layout plan of the proposal shall not be changed without the prior approval of the Central Government;
- x. The State Govt. shall ensure that no damage to the flora and fauna of the adjoining area shall be caused;
- xi. The State Govt. shall ensure that the user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department;
- xii. The State Govt. shall ensure that the User Agency shall carry out mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, FCA-1980, in the concerned State Govt. and the concerned Regional Office of the Ministry. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the concern Dy. Director General (Central) may direct that the mining activities shall remain suspended till such time, reclamation activities in the area is satisfactorily executed;
- xiii. It may please note that violation of any of these conditions will amount to violation of FCA-1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of FCA-1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019;
- xiv. The State Govt. shall ensure that the User Agency shall submit the annual self -compliance report in respect of the above stated conditions to the State Govt., concerned Regional Office and to this Ministry by the end of March every year regularly; and
- xv. The State Govt. shall ensure that the user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.

(33)

Yours faithfully,

Sd/

(Sandeep Sharma)

Assistant Inspector General of Forests (FC)

Copy to:

1. PCCF (HoFF), Govt. of Assam, Guwahati.
2. Nodal Officer, Office of the PCCF (HoFF) Govt. of Assam, Guwahati.
3. Dy. Director General (Central), Integrated Regional Office, Shillong.
4. User Agency.
5. Monitoring Cell of FC division, MoEF&CC, New Delhi.
6. Guard file.



**GOVERNMENT OF ASSAM
ENVIRONMENT AND FOREST DEPARTMENT
DISPUR, GUWAHATI-6**

**ORDERS BY THE GOVERNOR
NOTIFICATION**

Dated Dispur, the 11th January, 2021

No. FRS.53/2019/206: In exercise of the powers conferred by Section 17 of the Assam Forest Regulation of 1891 (VII of 1891) the Governor of Assam is hereby to declare that the area described in the schedule below to be a Reserve Forest namely "BORO LANGHERANG RESERVE FOREST" with effect from the date of publication of this Notification in the official gazette.

- Schedule I : Situation and Boundary description of the Reserve Forest.
Schedule II : Compass bearing and Geo – Co-ordinates of the Reserve Forest.
Schedule III : Map of the Reserve Forest.

Schedule I : Situation and area.

- | | |
|----------------------|-------------------------------------|
| (a) District (Civil) | : Dima Hasao District |
| (b) Forest Division | : Dima Hasao Forest Division (West) |
| (c) Forest Range | : Garam Pani Forest Range |
| (d) Mauza | : Umrangso |
| (e) Name | : Boro Langherang Reserve Forest |
| (f) Area | : 425.5 Ha. |

Boundary :

North : Longchembru Village Area.

The Northern Boundary Starts from a reference point of Forest Check Gate at Lajjuwari having Geo-Co-ordinates of East 92°58'22.400" & North 25°34'4.400". From the survey Point No: A, the boundary runs along the boundary of Longchembru Villagetowards Western direction from Survey Point No:A to M.

West: Council Khas Land.

From the Survey Point No: M with Geo-Co-ordinates of East 92°54'52.401" & North 25°33'13.295". The Western Boundary runs along the boundary of Council Khas Land towards Southern direction from survey point No: M to Q.

South:Langyen Nodi.

The Southern Boundary starts from the Survey point No: Q with Geo-Co-ordinates East 92°54'45.999" & North 25°32'29.674". The Southern Boundary runs along the boundary of Langyen Nadi towards Eastern direction from Survey point No:Q to Bb.

East: Langyendisa Village Area.

From the Survey Point No: Bb with Geo-co-ordinates of East 92°56'30.993" & 25°32'4.876". The Eastern Boundary runs along the Langyendisa Villag towards Northern direction and meet the initial survey point No:A with Geo-co-ordinates of East 92°56'57.891" & North 25°32'49.329".

Reason for Notify the Reserve Forest:

1. The Revenue Secretary, Settlement & Revenue Department, North Cachar Hills Autonomous District Council, Haflong, vide its letter No. Rev/S/4-Allot/2019-2020/1364-70 dated 24th September, 2019, has already been allotted/transferred and mutated 425.5 Ha land in the name of State Forest Department for raising of plantation as Compensatory Afforestation towards the "In-Principal Approval / Stage-I Forest Clearance" accorded by Central Government of India, Ministry of Environment, Forest & Climate Change vide its letter no. F. No. 8-11/2019-FC dated 25th August, 2019 for diversion of Forest land under Forest (Conservation) Act, 1980 in favour of M/s Calcom Cement India Limited for open cast mining of limestone at Umrangso, Dima Hasao District, Assam.
2. The Said Land for Compensatory Afforestation has been notified as Proposed Reserve Forest under Section 5 of the Assam Forest Regulation of 1891 (VII of 1891) by the Government of Assam vide its notification no. FRS.53/2019/123 dated 1st June 2019. The Forest Settlement Officer has communicated vide its letter no. Rev/S/114/CA/CALCOM/2020-21/11 dated 22nd December 2020 that all the rights over the said CA land has been already settled and requested to notify the CA land area as Reserve Forest.
3. To conserve the afforestation the land for Compensatory Afforestation shall be notified as Reserve Forest by the State Government as per the condition no. A. i. of the final approval of Forest Clearance under section-2 of the Forest (Conservation) Act, 1980 granted by the Ministry of Environment, Forest and Climate Change (F.C. Division) vide File.8-11/2019FC dated 25th November, 2020.

Enclo : As above

Sd/- Avinash Joshi, IAS

Principal Secretary to the Government of Assam
Environment and Forest Department

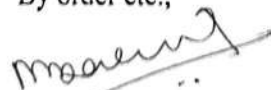
Memo No. No. FRS.53/2019/206-A

Dated Dispur, the 11th January, 2021

Copy to :

1. The Assistant Inspector General of Forests(FC) ,Government of India, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan,Aliganj, Jor Bag Road, New Delhi-110003.
2. The Principal Chief Conservator of Forest & HoFF, Assam, Panjabari, Guwahati-37.
3. The Principal Secretary cum Forest Settlement Officer, North Cachar Hills Autonomous Council, Haflong.
4. The Secretary, Revenue, North Cachar Hills Autonomous Council, Haflong.
5. The Deputy Commissioner, Dima Hasao District, Haflong.
6. The P.S. to Principal Secretary to the Govt. of Assam, Environment & Forest Department,Dispur, Guwahati-6 for kind appraisal of Principal Secretary.
7. The Chief Conservator of Forests, Dima Hasao District, Haflong.
8. The Divisional Forest Officer, Dima Hasao Division(West), Haflong.
9. M/s Calcom Cement India Limited, 4th Floor, Anil Plaza-II, ABC, G.S. Road, Guwahati-5.
10. The Deputy Director, Printing & Stationery, Assam Govt. Press, Bamunimaidan, Guwahati-21 for favour of publication of the above notification in the next issue of the Assam Gazette.

By order etc.,



Secretary to the Government of Assam
Environment & Forest Department

Schedule II : Compass bearing and Geo – Co-ordinates of the Reserve Forest.
 Schedule III : Map of the Reserve Forest.

Schedule II

Government of Assam

Environment and Forest Department

List of Compass Bearing and Distance along with necessary GPS Co-ordinates of Boro Langherang Reserve Forest

CO-ORDINATES POINTS OF THE RESERVE FOREST, AREA 425.5.Ha (at VILLAGE -BOROLANGHERANG, DIMAHASAO DISTRICT,ASSAM)				BEARING AND DISTANCE OF THE RESERVE FOREST, AREA 425.5.Ha (at VILLAGE -BOROLANGHERANG, DIMAHASAO DISTRICT,ASSAM)					
S.N	POINTS	LONGITUDE(DMS)	LATITUDES(DMS)	S.N	FROM	TO	FORWARD BEARING	BACK WARD BEARING	DISTANCE .(in Mtrs)
1	Reference Point – FRP Forest Check gate at Thajjuwari	92°58'22.400"E	25°34'4.400"N	1	Reference Point – FRP Forest Check gate at Thajjuwari	A	225°616'	45°616'	3301
2	A	92°56'57.891"E	25°32'49.329"N	2	A	B	241°590'	61°590'	288.86
3	B	92°56'48.788"E	25°32'44.858"N	3	B	C	271°859'	91°859'	256.67
4	C	92°56'39.595"E	25°32'45.126"N	4	C	D	271°859'	91°859'	263.72
5	D	92°56'30.150"E	25°32'45.400"N	5	D	E	271°859'	91°859'	204.36
6	E	92°56'22.830"E	25°32'45.613"N	6	E	F	300°609'	120°609'	269.08
7	F	92°56'14.529"E	25°32'50.063"N	7	F	G	300°609'	120°609'	361.22
8	G	92°56'3.385"E	25°32'56.038"N	8	G	H	300°609'	120°609'	327.17
9	H	92°55'53.291"E	25°33'1.449"N	9	H	I	282°138'	102°138'	349.93
10	I	92°55'41.030"E	25°33'3.835"N	10	I	J	282°138'	102°138'	380.65
11	J	92°55'27.692"E	25°33'6.430"N	11	J	K	282°138'	102°138'	343.48
12	K	92°55'15.656"E	25°33'8.772"N	12	K	L	282°138'	102°138'	380.2
13	L	92°55'2.334"E	25°33'11.363"N	13	L	M	282°138'	102°138'	283.45
14	M	92°54'52.401"E	25°33'13.295"N	14	M	N	187°621'	7°621'	311.54
15	N	92°54'50.928"E	25°33'3.256"N	15	N	O	187°621'	7°621'	318.58
16	O	92°54'49.421"E	25°32'52.989"N	16	O	P	187°621'	7°621'	387.52
17	P	92°54'47.588"E	25°32'40.502"N	17	P	Q	187°621'	7°621'	336
18	Q	92°54'45.999"E	25°32'29.674"N	18	Q	R	111°280'	291°280'	214.83
19	R	92°54'53.174"E	25°32'27.143"N	19	R	S	111°281'	291°281'	289.49
20	S	92°55'2.843"E	25°32'23.733"N	20	S	T	111°280'	291°280'	370.08
21	T	92°55'15.203"E	25°32'19.373"N	21	T	U	35°611'	215°611'	469.42
22	U	92°55'24.989"E	25°32'31.785"N	22	U	V	146°116'	326°116'	495.66
23	V	92°55'34.900"E	25°32'18.413"N	23	V	W	117°394'	237°394'	307.68
24	W	92°55'44.691"E	25°32'13.815"N	24	W	X	345°205'	165°205'	489.38
25	X	92°55'40.204"E	25°32'29.195"N	25	X	Y	99°707'	279°707'	317.3
26	Y	92°55'51.413"E	25°32'27.462"N	26	Y	Z	96°402'	276°402'	403.99
27	Z	92°56'5.800"E	25°32'26.004"N	27	Z	Aa	134°650'	314°650'	503.16
28	Aa	92°56'18.632"E	25°32'14.513"N	28	Aa	Bb	130°699'	310°699'	454.85
29	Bb	92°56'30.993"E	25°32'4.876"N	29	Bb	Cc	63°292'	243°292'	356.36
30	Cc	92°56'42.398"E	25°32'10.087"N	30	Cc	Dd	36°799'	216°799'	315
31	Dd	92°56'49.156"E	25°32'18.289"N	31	Dd	Ee	36°799'	216°799'	395.66
32	Ee	92°56'57.644"E	25°32'28.592"N	32	Ee	Ff	36°799'	216°799'	413.65
33	Ff	92°57'6.519"E	25°32'39.363"N	33	Ff	A	321°876'	141°876'	389.21

Thus the total traverse is closed.



Pollution Control Board:: Assam Bamunimaidam; Guwahati-21

(Department of Environment & Forests :: Government of Assam)

Phone: 0361-2652774 & 2550258; Fax: 0361-2550259

Website: www.pcbassam.org



No. WB/SLC/T-1113/20-21/16
18

Dated Guwahati, the 4th April, 2021

“CONSENT TO OPERATE”

“CONSENT TO OPERATE” (CTO) under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 as amended and Rules Framed there under is granted to:

- i) Name of Industry : **M/s Calcom Cement India Ltd.**
ii) Name of the Occupier / Applicant and Designation : **Sri Padmanav Chakravorty, Regional Manufacturing Head**
iii) Address of the unit : **New Umrangsho, Umrangsho, Dist. Dima Hasao, Assam - 781005**
iv) Cost of the project : **Rs. 12000.00 Lakhs.**
v) Details of the project & category : **Lime Stone Mining (Red category)**

Sl. No.	Product	Capacity
1.	Lime Stone Mining	7.77 MTPA

TERMS AND CONDITIONS:

1. The Consent to Operate (CTO) has been accorded based on the particulars furnished by the applicant vide Application ID: **865235** and subject to addition of further or more conditions if so warranted by subsequent developments. The CTO will automatically become invalid if there is any changes, modification, alteration, expansion or deviation is made in actual practice.
2. The CTO is valid till **31.03.23**.
3. The CTO may be modified, suspended in whole or in part or withdrawn by the Board during its term for cause including, but not limited to the following:-
 - a) Violation of any Terms and Conditions of this CTO;
 - b) Obtaining the CTO by misrepresentation or failure to disclose fully all relevant facts;
 - c) If any genuine complaint received.
4. The unit shall comply with all the stipulated and general conditions of Environment Clearance granted to the unit by MoEF vide EC No.J-11015/202/2011-IA.II(M); dtd: 11th June 2020.
5. **The project proponent shall develop a greenbelt / Plantation area with native trees covering at-least 33% of total plot area for the development of greenbelt and carbon sink.**
6. **The project authority should install a Display Board as per the Boards notification No.PCBA/LGL-95/2021/Notification/01 dtd.11.11.2021 (Appendix-A).**
7. Permission of the Central Ground Water Authority shall be obtained for extraction of Ground Water, if applicable.

11/3/21 4:3'

Contd...p/2



8. As per the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended and the Air (Prevention and Control of Pollution) Act, 1981, as amended, any Officer empowered by the Board on its behalf shall have without interruption, the right at any reasonable time to enter the unit for inspection, collection of sample for analysis and may call for any information as deemed necessary. Denial of this right will cause withdrawal of the Consent Order.

9. The unit shall apply for renewal of CTO atleast 90 days before expiry. The Board has decided to renew CTO for five (5) years, if the project proponent submits application with due payment of CTO fees.

Specific Conditions:

A) Air Aspects:

1. The Ambient Air Quality within the mine premises and surrounding areas shall be maintained within the National Ambient Air Quality Standards as notified by MoEF&CC, Govt. of India, vide G.S.R.826(E) dtd.18.11.2009, especially w.r.t. PM_{2.5}, PM₁₀, SO₂ & NO₂ as mentioned herein under:

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural & Other Area	Ecologically Sensitive Area (notified by Central Government)
1.	Particulate Matter (size less than 10µg or PM ₁₀ (µg/m ³))	Annual* 24 hours**	60 100	60 100
2.	Particulate Matter (size less than 2.5µg or PM _{2.5} (µg/m ³))	Annual* 24 hours**	40 60	40 60
3.	Sulphur Dioxide (SO ₂)	Annual* 24 hours**	50 80	20 80
4.	Nitrogen Dioxide (NO ₂)	Annual* 24 hours**	40 80	30 80

2. The industry shall comply with the Noise Level Standards, notified by MoEF&CC, Govt. of India, vide as per GSR. 7, dated: Dec.22, 1998, as mentioned herein under:

Limit in dB (A) Leq	
Day Time (6:00AM-10:00PM)	Night Time (10:00PM-6:00AM)
75	70

3. The following pollution control measures shall be implemented by the project authority-
 - a) Dust containment cum suppression system at the material handling points to minimize fugitive emission.
 - b) Haul road shall be made metallic.
 - c) Regular cleaning and wetting of ground within the premises.
 - d) Water sprinklers along the haul roads connecting the mine and cement plant.

B) Solid Waste Aspects:

1. Top soil shall be stacked properly.
2. Over burden dumps (OBD) shall be properly managed.
3. Adequate system should be adopted on reduction of waste generation and enhancement of re-utilization & recycling of waste material.

MS-43



C) Hazardous Waste Aspects:

1. The unit shall obtain Authorization under the Hazardous and Other Waste (Management & Trans-boundary Movement) Rules, 2016 from the Board.
2. Adequate facility shall be provided for collection and storage of used oil, which shall be sent to registered recyclers for recycling. The unit shall maintain a record regarding generation of hazardous wastes in Form-III of the Rules.
3. Appropriate facility shall be created for handling, storage, treatment & disposal of any Hazardous waste generated by the industry in accordance to the provisions of the H&OW Rule including Notification, Guidelines issued there under.
4. The unit shall identify and quantify all streams of Hazardous Waste generation as per Schedule-I and maintain proper record in Form-III of the said Rules.
5. The unit shall submit the annual return under the said Rule, in Form-IV, within 30th June every year.

The unit shall submit compliance report of the mandated conditions by April 15 of every year to Member Secretary, PCBA as well as to Regional Office, Silchar. The Board will have the liberty to withdraw the CTO if adequate pollution control and safety measures are not taken.

sd/-
(Shantanu Kr. Dutta)
Member Secretary

Dated Guwahati, the 4th April, 2022

Memo No. WB/SLC/T-1113/20-21/16 -A
Copy to: *18*

- ✓ 1. M/s. Calcom Cement India Ltd., New Umrangsho, Umrangsho, Dist. Dima Hasao, Assam - 781005 – for information & compliance of conditions.

sd/-
(Shantanu Kr. Dutta)
Member Secretary

Annexure - A



PCBA

**Pollution Control Board, Assam
Bamunimaidam, Guwahati-21**

NOTIFICATION

No. PCBA/LGL-95/2021/Notification/01 Dated Guwahati, the 11th Nov, 2021

In exercise of the powers conferred under Section-5 of the Environment (Protection) Act, 1986 as amended till date and keeping in view the need of public interest towards dissemination of vital information regarding Consent/Authorization of this Board, all industries are hereby directed to install a Display Board of minimum size 5'x4', near the main entrance gate.

The format of the display board is given below:

Name and Address of the Unit : M/s.

Description of Consent/Authorization		Details	
Consent to Establish (CTE)	No.:	Date of Issue:	
Consent to Operate (CTO)	No.:	Date of validity:	
Authorization under Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016 (if applicable)	No.:	Date of Issue:	
		Date of validity:	

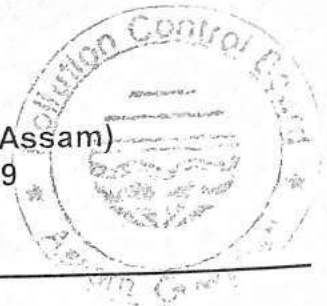
Memo No. PCBA/LGL-95/2021/Notification/01-A
Copy to: ¹ 1

Member Secretary

Dated Guwahati, the 11th Nov, 2021

1. The Commissioner & Secretary to the Govt. of Assam, Department of Environment & Forest, Dispur for kind information.
2. P.A. to the Chairman, PCBA for kind appraisal of the Hon'ble Chairman.
3. The All Regional Heads, PCBA for information & necessary action.
4. M/S AFS Advertising Pvt. Ltd, Guwahati-1. They are requested to publish the "NOTICE" in "the Assam Tribune" and "Dainandini Barta" on 12.11.2021.
5. Notice Board, Head Office / Website (www.pcbassam.org), PCBA.

[Signature]
Member Secretary



No.WB/SLC/T-1113/20-21/10

Dated Guwahati, the 30/9/ 2020

547
"CONSENT TO ESTABLISH"

"CONSENT TO ESTABLISH" is hereby granted to **M/S. CALCOM CEMENT INDIA LIMITED** for setting up a Lime Stone Mining project with production capacity – 7.77 MTPA to be located at New Umrangshu, Tehsil, Umrangshu, Pin-788931, Dist.: Dima-Hasao (Assam) under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 as amended under the following terms & conditions:

1. No Air, Water, Soil pollution shall be created by the industry beyond the permissible limits prescribed by the Board. The industry would incorporate adequate pollution control measures before they put the plant into operation.
2. To maintain the environment and ecology in the area provisions for planting selected species of tree within the compound and approaches along with provisions for park, garden and fountain shall have to be made. Massive afforestation will have to be made by the industry in the factory and township if any.
3. As per provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 any officer, employed by this Board on its behalf shall without any interruption, shall have the right at any time to enter the industry for inspection, to take samples for analysis and any call for any information etc. violation of this right will lead to the withdrawal of this permission.
4. As per provisions of the Act, regular monitoring of Air, Water etc. is to be done by the industry from the location/points fixed by the Board and the report to be submitted to the board monthly.
5. Effluent carrying drains must be segregated from storm water drain. Any effluent generated must be treated and disposed after compliance of prescribed standard fixed by the Authority.
6. Standard linings on flat embankment of effluent pond shall have to be provided in the pond to prevent and control of overflow seepage and leakage of effluent to the nearby areas and ground water.
7. To regularise the subsequent "Consent to Operate" the legal provisions of "Consent to Operate" as per Act and Cess Returns as per Cess Act, 1977 shall have to be timely adhered to.
8. Gaseous pollution due to the burning of fuel to run engine boiler, kiln etc. should be controlled by adopting preventive measures adequately.
9. Solid waste that arises during the operation should be properly graded and disposed of scientifically without causing environmental degradation.
10. For Low lying areas, special care is to be taken by the industry to prevent any overflow, seepage and leakage of effluent.

Contd....p/2

11. Fire warning (Alarm, Siren) is to be installed by the unit to guard against accidental pollution/ mishap together with fire fighting devices.
12. All pipe connection, Joints; fittings etc. in the factory and plant are to be frequently checked and shall be leak proof all the time.
13. Proper housekeeping and adequate maintenance has to be ensured/ enforced as per provisions of Acts.
14. All unwanted Toxic Chemical/Fluid/Gases are to be taken care of as per prescribed norms.
15. Production process is to be monitored and in the event of danger immediate shut down is to be ensured by the industry.
16. **"CONSENT TO ESTABLISH"** has been issued basing on the particulars furnished by the applicant and subject to imposition to further/more conditions if warranted by the subsequent development.
17. **"CONSENT TO ESTABLISH" will be valid till the date of commissioning of the unit or 5 (five) years whichever is earlier.**
18. Healthy working environment for the worker must be maintained and there should not be health Hazard to the workers for in adequate arrangement for ventilation, dust removal arrangements should be adequate and full proof for the health of the workers. Their health should be regularly monitored.
19. The unit must submit compliance report of action taken on the conditions given by the Board before commissioning of the plant.
20. Adequate trees should be planted and maintained in the vacant space of the premises and all around the factory and township if any.
21. The Board will be at liberty to withdraw the **"CONSENT TO ESTABLISH"** at any time without notice, if necessary steps for prevention of pollution and prevention of degradation of environment is not taken by the industry as per mentioned conditions.
22. This issuance of the **"CONSENT TO ESTABLISH"** does not convey any property right in their real or personal property or any exclusive privileges nor does it authorize any injury to private property nor any invasion right any infringement of Central, State or Local Laws or Regulations.
23. The **"CONSENT TO ESTABLISH"** does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse except of the works specially instructed herein.
24. The industry shall not discharge any wastewater outside the campus.
25. No fugitive emission shall be created by the unit.
26. The applicant shall maintain the general ambient air quality standards.
27. The industry shall not use any fuel, which may create pollution problem.
28. No noise pollution is to be created by the industry.
29. Noise dampening wall have to be arranged.



30. The industry must comply to the National Ambient Air Quality Standards as per Schedule – VII under Rule, 3(3B) of the Environment (Protection) Rules, 1986.
31. Necessary steps are to be taken to maintain Ambient Air Quality standards in respect of Noise as per the Noise Pollution (Regulation and Control) Rules, 2000 as amended till date.
32. Adequate fire fighting measures with fitting like fire hydrant etc. shall have to be provided in order to prevent accident.
33. The Board will have the liberty to withdraw the “**CONSENT TO ESTABLISH**” if adequate pollution control and safety measures are not taken.

Sd/-
Member Secretary (i/c)

Memo No.WB/SLC/T-1113/20-21/10-A,
Copy to:

Dated Guwahati, the 30/9/2020

- ✓ 1. M/s. Calcom Cement India Limited; C/o Padmanav Chakravarty (Regional Manufacturing Head), New Umrangshu, Tehsil, Umrangshu, Pin-788931, Dist.: Dima-Hasao (Assam) for information & necessary action. The “**CONSENT TO ESTABLISH**” is valid subject to fulfillment of above terms & conditions and also subject to obtaining necessary permission from other Competent Authorities. This has the reference to your online application vide **No. 14684**
2. The Under Secretary to the Govt. of Assam, Department of Environment & Forests, Dispur, Guwahati – 6 for favour of information.
3. The Deputy Commissioner, Dima-Hasao district for favour of information.
4. The General Manager, DI&CC, Dima-Hasao for favour of information.
5. The Regional Executive Engineer (i/c); Regional Lab cum Office, Silchar; Pollution Control Board, Assam for information & necessary action. The “**CONSENT TO ESTABLISH**” is valid subject to fulfillment of above terms and conditions and also subject to obtaining necessary permission from other Competent Authorities.

Member Secretary (i/c)
ms

International Space University's tributes to Sushant Singh Rajput

MUMBAI, June 16: The International Space University (ISU) in France has paid homage to Sushant Singh Rajput in a statement, saying the news of the actor's death was "deeply saddening".

Rajput was found dead in his Bandra apartment on Sunday. The official Twitter handle of ISU on Monday tweeted how Rajput was supposed to visit the campus last year but was unable to due to scheduling conflict. "We are deeply saddened by the dramatic news on the death of well known Indian actor Sushant Singh Rajput. Mr Singh Rajput was a believer and strong supporter of STEM education and was following ISU on social media. He had even accepted an invitation to visit ISU's central campus in the summer of 2019 but other agenda priorities prevented him from travelling to Strasbourg," the statement by the university read.

ISU paid condolences to Rajput's family and friends, saying the actor's memory will "remain among his thousands of followers across India and all over the world".

Rajput had enrolled at Delhi Technical University (DTU) in 2003, which was then known as Delhi College of Engineering, but left the course to pursue his showbiz dreams.

As part of his research for the film *Chanda mama dur ke*, he also visited the National Aeronautics and Space Administration in 2017. Rajput had stayed in NASA to train for his role as an astronaut for the film, which was eventually shelved. The actor also owned a Meade 14" LX600 telescope. - PTI

US hands over 1st shipment of 100 ventilators to India

NEW DELHI, June 16: The US on Tuesday handed over to India 100 ventilators, valued at about \$ 1.2 million, as part of President Donald Trump's offer of assistance to New Delhi in the fight against the COVID-19 pandemic.

US Ambassador to India Kenneth Juster handed over the first shipment of 100 ventilators to Indian Red Cross Society secretary general RK Jain at an event at the IRCS headquarters here.

The US government, through the US Agency for International Development (USAID), donated the first shipment of 100 brand-new, state-of-the-art ventilators to India to assist its fight against COVID-19, the American Embassy said in a statement. The ventilators, produced in the

United States by Massachusetts-based Zoll Medical Corp, reflect leading-edge technology, are compact and deployable, and provide India with flexibility in treating patients affected by the virus.

USAID is also funding a comprehensive package of support, which includes accompanying equipment and medical supplies, technical assist-

ance, and service plans. This donation builds on the \$ 9.5 million that USAID and the US Centers for Disease Control and Prevention have committed to India in response to the pandemic, and this is helping to strengthen clinical care, disseminate essential health messages, improve disease surveillance, and more.

The Indian Red Cross said it ex-

tends its heartfelt thanks to the US government for gifting the ventilators to assist India's fight against COVID-19, the IRCS said.

An American official had said last month that the US government is planning to "donate" 200 ventilators to India as part of efforts to strengthen bilateral cooperation in the fight against the COVID-19 pandemic. - PTI

Hefty fee forces Ambala parents to look for govt schools

AMBALA, June 16: Facing financial problems due to job loss and pay cut in the wake of the coronavirus pandemic, parents in Haryana's Ambala are turning to government schools to reduce their expenses on their children's education.

Some parents said they have been paying a hefty fee but private schools are not ready to give much concession in the present situation.

Private schools are not giving any relaxation in fee despite the fact that they are closed and many of the expenses which they incur in normal times are not there, said a man whose son studies in Class 7 at a private school.

He said there is also uncertainty in view of the prevailing situation and no one knows for how long schools will remain closed.

Another parent, whose daughter studies in Class 9, said the private company where he is employed had introduced heavy pay cut and he was finding it hard to pay fee and decided to shift his child to a government school.

He said at least three to four people known to him have lost their jobs and are looking to get their children admitted to government schools.

Another parent, Kamal Kumar, said he admitted two of his children to a private school

in the beginning of the year.

Due to the present situation with financial constraints, I realised that it will not be possible for me to afford a hefty fee, he said, adding that he recently approached the State education department for getting his children admitted to some government school where the fee was comparatively less.

Ambala Deputy District Education Officer Sudhir Karla said in the past some time, the department has received complaints from parents that private schools are not issuing school-leaving certificates to their children.

He said many parents wanted that their children be admitted to government schools.

On Monday, according to an order issued by the Haryana's school education department, seeking admission in government schools will not require a school-leaving certificate now. Many students studying in private schools are seeking admission to government schools, an official spokesperson of the department said on Monday.

In a set of instructions issued by the department, it is mentioned that students can be admitted to a government schools even if they do not have a school-leaving certificate. - PTI

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PUBLIC NOTICE

This is to inform that M/s Calcom Cement India Ltd. (a subsidiary of Dalmia Cement (Bharat) Ltd.), Regd. Address: Anil Plaza-II, 4th Floor, ABC, G.S.Road, Guwahati, Kamrup, Assam-781005, has been accorded the Environmental Clearance for its proposed project - New Umrangshu Limestone Mine (Mining Lease area - 417.50 Ha), with Limestone Production Capacity of 7.77 Million TPA, Top-Soil 0.35 Million TPA, Sub grade 3.87 Million TPA and OB/Waste 3.39 Million TPA (Total Excavation 15.38 Million TPA) along with 2x1000 TPH Crusher at Village- New Umrangshu, Tehsil - Umrangshu, District - Dima Hasao (North Cachar Hills), Assam, by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India vide F.No. J-11015/202/2011-IA II (M) dated 11th June, 2020. A copy of the EC letter is available with the State Pollution Control Board, Assam and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in).

Sd/- Authorized Signatory
Calcom Cement India Limited

28

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Report No. : ENV/CCIL/DMH/22-23/AA-06/03
Date : 06/07/2022

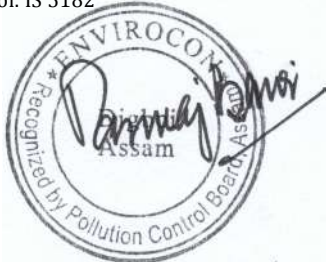
Order No. : 4556000805/236
Date : 28/04/2022

Report Issued To: **CALCOM CEMENT INDIA LIMITED**
[New Umrangshu Lime Stone Mines]
Vill.: Jamunagar, Umrangshu, Dist: Dima Hasao, Assam

AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS ↓	Date of Sampling	PM 2.5 (µg/m³)	PM 10 (µg/m³)	SO ₂ (µg/m³)	NO ₂ (µg/m³)	NH ₃ (µg/m³)	CO (mg/m³)	O ₃ (µg/m³)	B(a)P (ng/m³)	C ₆ H ₆ (µg/m³)	Ni (ng/m³)	As (ng/m³)	Pb (µg/m³)
LIMITS →	--	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)	400 (24 hrs. Average)	4.0 (1 hr. Average)	180 (1 hr. Average)	1.0 (Annual Average)	5.0 (Annual Average)	20 (Annual Average)	6.0 (Annual Average)	1.0 (24 hrs. Average)
On Main Haul Road Near Culvert No. 1	23.06.2022	18.6	43.8	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
On Main Haul Road Near New Weigh Bridge	23.06.2022	20.8	45.3	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
On Haul Road Inside the Mines Near View Point	24.06.2022	16.1	39.5	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Near Culvert No. 2	24.06.2022	17.5	41.4	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01

Analysis Protocol: IS 5182



Checked By: Pankaj Baroi, ENVIROCON

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Report No.: ENV/CCIL/DMH/22-23/RW-06/02

Date : 06/07/2022

Order No.: 4556000805/236

Date : 28/04/2022

Report Issued To : **CALCOM CEMENT INDIA LIMITED**

(Unit of Dalmia Cement (Bharat) Ltd.)

Village: Jamunagar-16 Kilo, Umrangso, Dist- Dima Hasao; Assam- 788931

RAW WATER ANALYSIS RESULTS

Sample Ref. No. : CCIL/2022/RW-2406/02

Sample Source : N. Stream (VCL Mines)
(25.51087, 92.73624)

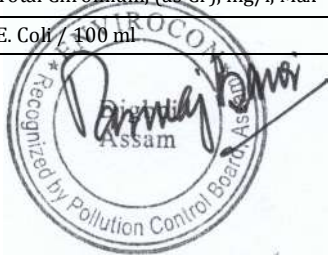
Sample Type : Raw Water

Collected On : 24-06-2022

Received On : 25-06-2022

Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Desirable Limit (IS:10500:2012)
01	Colour , Hazen Units, Max	6	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	1.9	1.0
05	pH	6.52	6.5 – 8.5
06	Total Dissolved Solids, mg/l, Max	124	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	14	75
10	Chloride (as Cl), mg/l, Max	5.5	250
11	Copper (as Cu), mg/l, Max	ND	0.05
12	Fluorides (as F), mg/l, Max	<0.1	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	<0.001	0.3
15	Magnesium (as Mg), mg/l, Max	2	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO ₃), mg/l, Max	0.4	45
19	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max	ND	0.001
20	Sulfate (as SO ₄), mg/l, Max	7	200
21	Total Alkalinity(as CaCO ₃) , mg/l, Max	55	200
22	Total Hardness, (as CaCO ₃), mg/l, Max	29	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.05
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Total Arsenic (as As), mg/l, Max	ND	0.01
28	Total Chromium, (as Cr), mg/l, Max	ND	0.05
29	E. Coli / 100 ml	NIL	Absent



Analysis Protocol: IS 3025
ND: Not Detected

Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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2. Results refer only to the particular parameters tested.
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Report No.: ENV/CCIL/DMH/21-22/RW-03
Date : 23/02/2022

Order No.: 4556000733/236
Date :

Report Issued To : **CALCOM CEMENT INDIA LIMITED**
(Unit of Dalmia Cement (Bharat) Ltd.)
Village: Jamunagar-16 Kilo, Umrangso, Dist.- Dima Hasao; Assam- 788931

RAW WATER ANALYSIS RESULTS

Sample Ref. No. : CCIL/2022/RW-1302/01

Sample Source : 12 Kilo Well
(25.51087, 92.73624)

Sample Type : Ground Water

Collected On : 13-02-2022

Received On : 14-02-2022

Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Desirable Limit (IS:10500:2012)
01	Colour, Hazen Units, Max	1	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	0.3	1.0
05	pH	6.72	6.5 – 8.5
06	Total Dissolved Solids, mg/l, Max	87	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	25	75
10	Chloride (as Cl), mg/l, Max	8.6	250
11	Copper (as Cu), mg/l, Max	ND	0.05
12	Fluorides (as F), mg/l, Max	0.2	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	0.0	0.3
15	Magnesium (as Mg), mg/l, Max	5	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO ₃), mg/l, Max	2.9	45
19	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max	ND	0.001
20	Sulfate (as SO ₄), mg/l, Max	28	200
21	Total Alkalinity (as CaCO ₃), mg/l, Max	35	200
22	Total Hardness, (as CaCO ₃), mg/l, Max	182	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.05
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Total Arsenic (as As), mg/l, Max	ND	0.01
28	Total Chromium, (as Cr), mg/l, Max	ND	0.05
29	E. Coli / 100 ml	NIL	Absent

Analysis Protocol: IS 3025
ND: Not Detected



Checked By: Mr. Pankaj Baroi, ENVIROCON

- NOTE:**
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
 2. Results refer only to the particular parameters tested.
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Report No.: ENV/CCIL/DMH/21-22/DW-05
Date : 23/02/2022

Order No.: 4556000733/236
Date :

Report Issued To : **CALCOM CEMENT INDIA LIMITED**
(Unit of Dalmia Cement (Bharat) Ltd.)
Village: Jamunagar-16 Kilo, Umrangso, Dist.- Dima Hasao; Assam- 788931

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : CCIL/2022/DW-1302/01

Sample Source : 250.0 Bigha
(25.51311, 92.7602)

Sample Type : Drinking Water (RO)

Collected On : 13-02-2022

Received On : 14-02-2022

Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Desirable Limit (IS:10500:2012)
01	Colour, Hazen Units, Max	<1	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	<0.1	1.0
05	pH	6.63	6.5 - 8.5
06	Total Dissolved Solids, mg/l, Max	52	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	10	75
10	Chloride (as Cl), mg/l, Max	4.2	250
11	Copper (as Cu), mg/l, Max	ND	0.05
12	Fluorides (as F), mg/l, Max	<0.1	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	<0.001	0.3
15	Magnesium (as Mg), mg/l, Max	<1.0	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO ₃), mg/l, Max	ND	45
19	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max	ND	0.001
20	Sulfate (as SO ₄), mg/l, Max	<1	200
21	Total Alkalinity (as CaCO ₃), mg/l, Max	36	200
22	Total Hardness (as CaCO ₃), mg/l, Max	7.2	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.05
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Total Arsenic (as As), mg/l, Max	ND	0.01
28	Total Chromium, (as Cr), mg/l, Max	ND	0.05
29	E. Coli / 100 ml	NII.	Absent

Analysis Protocol: IS 3025
ND: Not Detected



Checked By: Mr. Pankaj Baroi, ENVIROCON

- NOTE:**
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 3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi - 786171, Assam.

Patient Name

Bimal Boruah

Date

10/06/22

Age

22

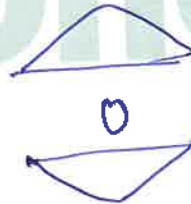
Gender

M

1/10
No specific complaint



WML
(sy)



TOUCHING LIVES

Eden V2 normal

Next appointment on:

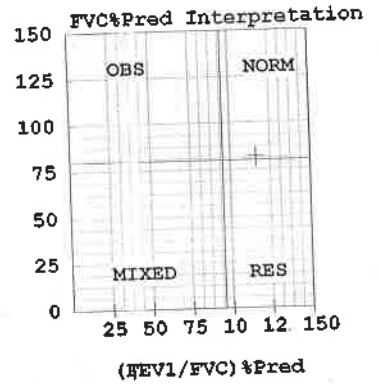
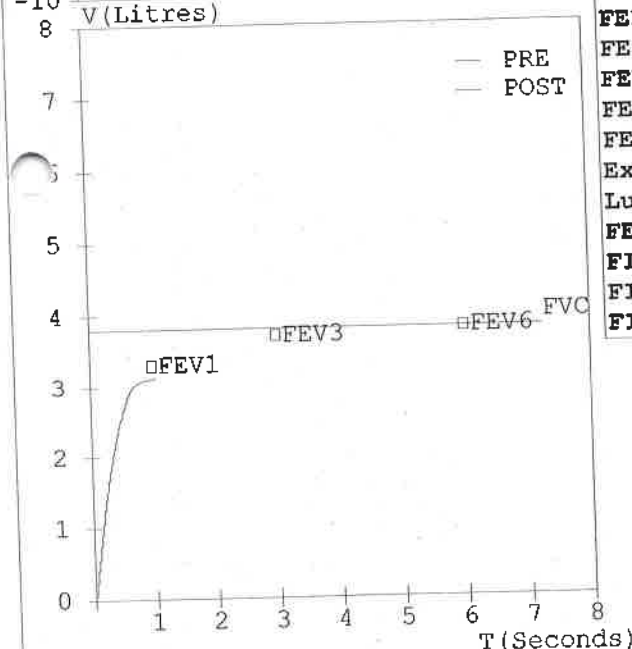
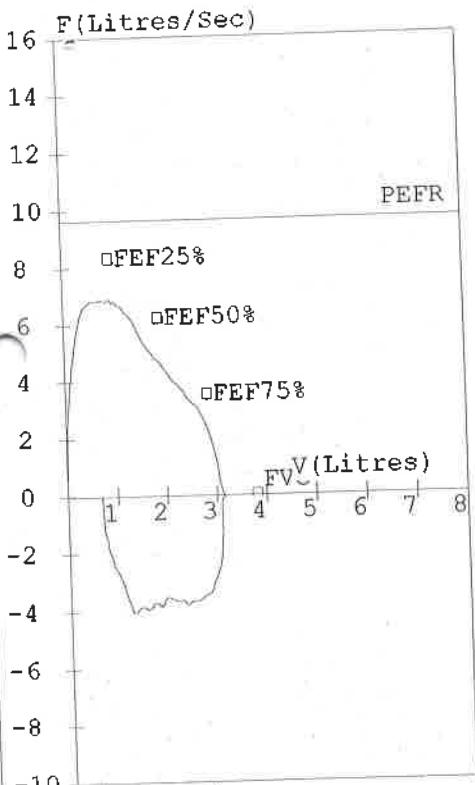
APOLLO CLINIC

Bora Service, Ulubari, Guwahati

Apollo Clinic
Expertise. Closer to you.

Patient: **BIMAL BORAH**
Refd. By:
Pred.Eqns: **RECORDERS**
Date : **10-Jun-2022 04:29 PM**

Age : **22 Years** Gender : **Male**
Height : **172 Cms** Smoker : **No**
Weight : **60 Kgs** Eth. Corr: **100**
ID: **UMG17** Temp :



Spirometry (FVC Results)

Parameter	Pred	M.Pre	%Pred	M:Post	%Pred	%Imp
FVC (L)	03.80	03.13	082	-----	---	---
FEV1 (L)	03.29	03.13	095	-----	---	---
FEV1/FVC (%)	86.58	100.00	116	-----	---	---
FEF25-75 (L/s)	04.79	05.13	107	-----	---	---
PEFR (L/s)	09.62	06.79	071	-----	---	---
FIVC (L)	-----	02.46	---	-----	---	---
FEV.5 (L)	-----	02.62	---	-----	---	---
FEV3 (L)	03.69	03.13	085	-----	---	---
PIFR (L/s)	-----	04.05	---	-----	---	---
FEF75-85 (L/s)	-----	03.21	---	-----	---	---
FEF.2-1.2 (L/s)	08.22	06.47	079	-----	---	---
FEF 25% (L/s)	08.31	06.78	082	-----	---	---
FEF 50% (L/s)	06.21	05.35	086	-----	---	---
FEF 75% (L/s)	03.49	03.62	104	-----	---	---
FEV.5/FVC (%)	-----	83.71	---	-----	---	---
FEV3/FVC (%)	97.11	100.00	103	-----	---	---
FET (Sec)	-----	01.05	---	-----	---	---
ExptTime (Sec)	-----	00.08	---	-----	---	---
Lung Age (Yrs)	022	023	105	-----	---	---
FEV6 (L)	03.80	-----	---	-----	---	---
FIF25% (L/s)	-----	00.45	---	-----	---	---
FIF50% (L/s)	-----	03.61	---	-----	---	---
FIF75% (L/s)	-----	03.52	---	-----	---	---

Pre Medication Report Indicates
Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80.

R.K. Life Services Pvt Ltd. (CIN. No : U85110AS2002PTC006987)

Apollo Clinic
Kanchan Road, Opp. Bora Service,
G.S. Road, Guwahati- 781007
Phone : (0381) 246 1473 - 74
E-mail : guwahati@theapolloclinic.com

Apollo Clinic
Sidha Point, S.J. Road
Athgaon, Opp. Manwari Hospital
Phone : 9085619000(M)
www.apolloclinic.com



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1ST NABL ACCREDITED LABORATORY IN ASSAM
http://www.rmsindia.com © RMS Spirometer (Helios_v3.1.85)

The contents of this report require clinical co-relation before any clinical action.

Patient Name : Mr. BIMAL BORUAH
UHID/MR No. : FGUW.0000123045
Visit Date : 12-06-2022 17:16
Sample Collected on : 13-06-2022 09:26
Ref Doctor : SELF
Package Name : DALMIA BHARAT CEMENT AMC - GUWAHATI BORA
Emp/Auth/TPA ID : 17
Sponsor Name : DALMIA CEMENT BHARAT LIMITED

Age / Gender : 22Y/Male
OP Visit No : FGUWOPV199151
Reported on : 13-06-2022 11:27
Specimen : Whole Blood (Edta)
Pres Doctor: :


DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
HAEMOGLOBIN HAEMOGLOBIN: Method: Non Cyanide	15.9	13 - 17	gm/dl

End of the report

Results are to be correlated clinically

Lab Technician / Technologist
Nishant_Gogoi


Dr Moromi G. Bhattacharyya
DCP



Patient Name : Mr. BIMAL BORUAH
 UHID/MR No. : FGUW.0000123045
 Visit Date : 12-06-2022 17:16
 Sample Collected on : 13-06-2022 09:26
 Ref Doctor : SELF
 Emp/Auth/TPA ID : 17
 Sponsor Name : DALMIA CEMENT BHARAT LIMITED

Age / Gender : 22Y/Male
 OP Visit No : FGUWOPV199151
 Reported on : 13-06-2022 12:55
 Specimen : Serum
 Pres Doctor: :


DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
LIPID PROFILE TEST (PACKAGE)			
S.Cholesterol	153.5	< 200 Desirable 200-239 Borderline High ≥240 High	mg/dl
S.Triglyceride	93.0	<150 Desirable 150-199 Borderline High 200-499 High >500 Very High	mg/dl
S.VLDL-Cholesterol	18.6	10 - 40	mg/dl
S.HDL-Cholesterol	44.3	<40 (Man) - Poor <50 (Women) - Poor 40-49 (Man) - Good 50-59 (Women) - Good ≥60 - Best	mg/dl
S.LDL-Cholesterol	91.0	<100 Ideal for people at risk of heart disease 100 - 129 Near Ideal 130 - 159 Borderline High 160 - 189 high ≥190 Very High	mg/dl
Ratio of Cholesterol/HDL Method: Calculated.	3.47	0 - 4.5	

End of the report

Results are to be correlated clinically

Lab Technician / Technologist
 Dhrubajyoti_Deka


 Dr Moromi G. Bhattacharyya
 DCP



Patient Name	: Mr. BIMAL BORUAH	Age / Gender	: 22Y/Male
UHID/MR No.	: FGUW.0000123045	OP Visit No	: FGUWOPV199151
Visit Date	: 12-06-2022 17:16	Reported on	: 13-06-2022 13:00
Sample Collected on	: 13-06-2022 09:26	Specimen	: Serum
Ref Doctor	: SELF	Pres Doctor:	:
Emp/Auth/TPA ID	: 17		
Sponsor Name	: DALMIA CEMENT BHARAT LIMITED		


DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
UREA UREA:- Method: urease-GLDH	18.0	10 - 50	mg/dl
GLUCOSE - (FASTING) GLUCOSE - (FASTING). Method: Hexokinase	96.8	70 - 110	mg/dl
CREATININE CREATININE Method: Jaffe	0.98	0.70 - 1.30	mg/dl

End of the report

Results are to be correlated clinically

Lab Technician / Technologist
Dhrubajyoti_Deka


Dr Moromi G. Bhattacharyya
DCP



Patient Name : Mr. BIMAL BORUAH
UHID/MR No. : FGUW.0000123045
Visit Date : 12-06-2022 17:16
Sample Collected on : 13-06-2022 09:26
Ref Doctor : SELF
Emp/Auth/TPA ID : 17
Sponsor Name : DALMIA CEMENT BHARAT LIMITED

Age / Gender : 22Y/Male
OP Visit No : FGUWOPV199151
Reported on : 15-06-2022 19:34
Specimen : EDTA Blood
Pres Doctor: :


DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
BLOOD GROUP AND RH TYPE			
ABO	A		
Method: Forward and Reverse			
RH TYPE	POSITIVE		

End of the report

Results are to be correlated clinically

Lab Technician / Technologist
Nishant_Gogoi


Dr Moromi G. Bhattacharyya
DCP



Patient Name: Mr. BIMAL BORUAH
Visit No: FG UWOPV199151
Cond Doctor: None
Referred By: SELF

MR No: FG UW.0000123045
Age/Gender: 22 Y/M
Conducted Date: 17-06-2022 17:32
Prescribing Doctor:

ECG

RESULTS

1. The rhythm is sinus
2. Heart rate is 68 beats per minute
3. Normal P, QRS, T wave axis
4. Normal PR, QRS, QT duration
5. No pathological Q wave or ST - T changes seen
6. No evidence of chamber hypertrophy or enlargement seen

IMPRESSION RESTING ECG FINDINGS ARE WITHIN NORMAL LIMITS .



**Dr. Nirmal K Bhattacharjee, MD.D.Card.
Consultant Cardiologist**



rms

2022-06-10 16:33

Name: bimal boruah

Sex: Male Age: 22

Section:

RoomID:

BedID:

ID: 17

Operator:

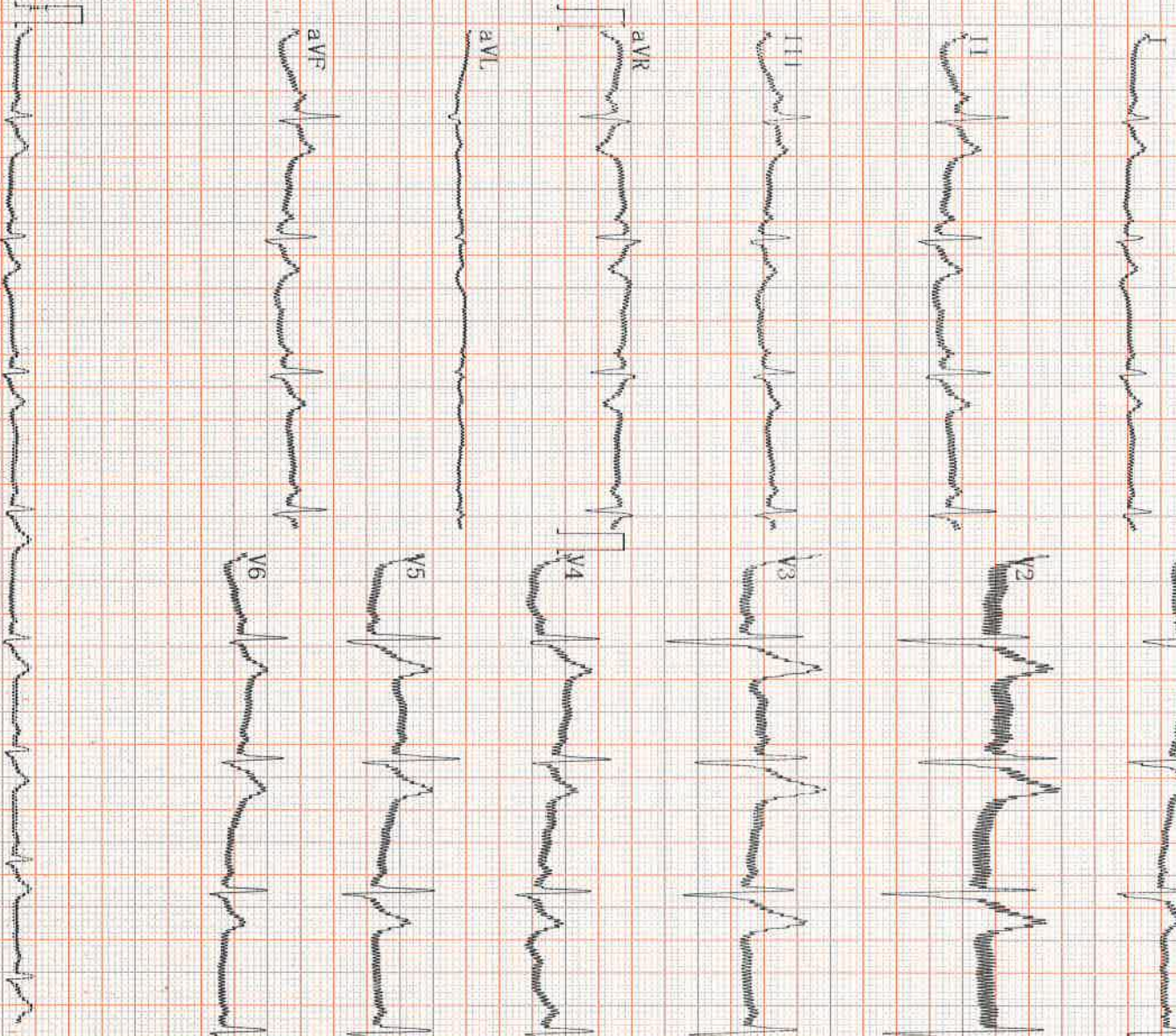
Custom1:

Custom2:

Custom3:

Data for reference only:

HR	bpm	58
PR Interval	ms	
P Duration	ms	
QRS Duration	ms	
T Duration	ms	
QT/QTc	ms	
P/QRS/T Axis	deg	
R(V5)/S(V1)	mV	0.00
R(V5)-S(V1)	mV	0.00



<< Conclusions >>

Report need physician confirm

Physician: _____

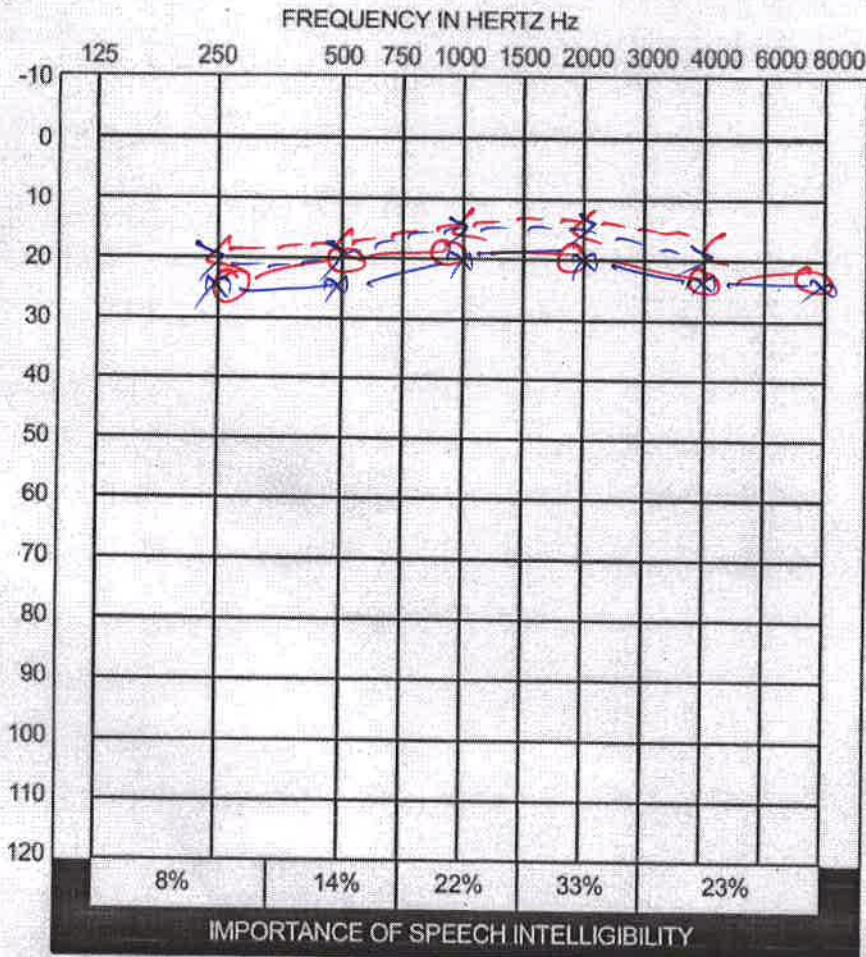
AUDIOGRAM

Doctor / Audiologist _____



Name: Bimal Baruah Age 22 Sex m

Address: _____ Date 10.6.22



<input checked="" type="checkbox"/>	NORMAL / MINIMAL HEARING LOSS
	Ability to understand speech
<input checked="" type="checkbox"/>	MILD HEARING LOSS
	No significant difficulty with faint speech
<input checked="" type="checkbox"/>	MODERATE HEARING LOSS
	Difficulty only with faint speech Amplification needed
<input checked="" type="checkbox"/>	MODERATELY SEVERE HEARING LOSS
	Frequent difficulty with normal speech
<input checked="" type="checkbox"/>	SEVERE HEARING LOSS
	Frequent difficulty with loud speech Understand only shouted or amplified speech
<input checked="" type="checkbox"/>	PROFOUND HEARING LOSS
	May not understand every amplified speech
<input type="checkbox"/>	<Value List Missing>

SPEECH RESULT				
Speech Reception Threshold (SRT)	Most Comfortable Level (MOL)	Un Comfortable Level (UOL)	Word Discrimination Percentage	Discrimination Level (dB)
Right				
Left				
Binaural				
Unaided Boundfield				
Aided Boundfield				

AUDIOGRAM KEY									
	L	R	NRL	NRR		L	R	NRL	NRR
Air Condition	X	O	X↘	O↘	Bone Conduction Forehead	V	V	V↘	V↘
Air Condition Masked	□	△	□↘	△↘	Bone Conduction Forehead Mask	Γ	Γ	Γ↘	Γ↘
Bone Conduction	>	<	∇	∇	Threshold of Discomfort Pure	●	●	●↘	●↘
Bone Conduction Masked] [] [∇	∇					

COMMENTS

Bil. normal hg.

Patient Name: Mr. BIMAL BORUAH

MR No: FGUW.0000123045

Age / Sex: 22 Y/ M

Bill Date: 11-June-2022

Ref. by: SELF

CHEST (PA VIEW)

Lung fields do not reveal any active parenchymal lesion.

Pleural angles are clear and domes of the diaphragm are of normal contour.

Cardio-thoracic ratio is within normal limits.

Hilar shadows are normal.

Bony thorax is intact.

Soft tissue shadows are normal.

- RADIOGRAPH IS ESSENTIALLY WITHIN NORMAL LIMITS.



Dr. Sandeepan Nath
Consultant Radiologist

