

CLEAN COAL ENTERPRISES PRIVATE LIMITED.

Ref:

Date: 18.01.2023

To,
Regional Officer
Integrated Regional Office,
Ministry of Environment, Forest & Climate Change
Aranya Bhawan, North Block, Sector – 19, Naya Raipur,
Atal Nagar, Chhattisgarh
Mail id: iroraipur@gmail.com

Sub: Submission of Six-monthly compliance report for Period **from Jan. 2023 to June 2023** on conditions stipulated in Environmental Clearance issued for 0.96 MTPA wet type coal washery located at Gatora Village, Masturi Tehsil, Bilaspur District, Chhattisgarh.

Ref: EC issued by SEIAA, CG vide F.No. 219/SEIAA-CG/EC/Coal Washery/ Bilaspur/ 1070dt.23rdMay2017

Dear Sir,

With reference to the above & condition stipulated in the EC vide dt.23rd May 2017, we are herewith submitting the Six-monthly compliance report for a period from Jan. 2023 to June 2023 on conditions stipulated in Environmental Clearance issued for 0.96 MTPA wet type coal washery, by SEIAA, CG vide F.No. 219/SEIAA-CG/EC/Coal Washery/ Bilaspur/1070 dt.23rd May 2017, duly mentioning the status of compliance for the above-mentioned period.

We request your good selves to take same on record and acknowledge the same.

Thanking you,
Your faithfully



Authorized Signatory
Clean Coal Enterprises Private Limited
Encl: a/a

Six Monthly Environment Clearance Compliance Report (Period: Jan. 2023 to June 2023)

for

Environment Clearance obtained for 0.96 MTPA Wet type Coal Washery vide F.No.219/SEIAA-CG/Coal Washery/Bilaspur/1070 dt.23rd May 2017 located at Gatora Village, Masturi Tehsil, Bilaspur District, Chhattisgarh

Submitted by

Clean Coal Enterprises Private Limited

1st Floor, Sai Parisar Commercial Complex,
Shrikant Verma Marg, Bilaspur (C.G.) 495001

Submitted to

Integrated Regional Office,
Ministry of Environment, Forest & Climate Change
Aranya Bhawan, North Block, Sector- 19, Naya Raipur, Atal Nagar, Chhattisgarh
Mail id: iroraipur@gmail.com

Prepared by



Accredited by



Introduction about the project

Clean Coal Enterprises Private Limited is an existing coal washery unit at Gatora Village, Masturi Tehsil, Bilaspur District, Chhattisgarh.

Clean Coal Enterprises Pvt. Ltd. has obtained Environment Clearance from State Environment Impact Assessment Authority (SEIAA), Chhattisgarh vide F.No. 219/SEIAA-CG/Coal Washery/ Bilaspur/ 1070dt.23rd May 2017. As per the EC condition no.35 under conditions “Project Proponent shall upload the status of compliance of the stipulated Environment Clearance conditions, including results of monitored data on their website and up date the same on half yearly basis”.

COMPLIANCE TO THE CONDITIONS STIPULATED IN ENVIRONMENT CLEARANCE

S.No.	Conditions stipulated in EC	Compliance by Project Proponent
1.	Land requirement shall be 11.92 acres with green belt area minimum 4.0 acres.	Noted, Plant is established in 11.92 acres, out of which 4.0 acres is earmarked for greenbelt.
2.	Project proponent shall ensure that annual throughput capacity of the coal washery shall not exceed 0.96 million tonne.	Noted and will be complied
3.	No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with setting up / operation of the washery.	We do hereby confirm, that no water bodies in the area will be disturbed due to coal washery. However, the plant will be operated on Zero Discharge Concept and no effluent is being drained outside the plant premises.
4.	Project proponent shall provide adequate facility for proper treatment of industrial and domestic effluent. Thickener followed by sedimentation pond(s) of adequate capacity shall be treated in septic tank and soak pits. Project proponent shall provide effluent treatment plant before commissioning of the washery. Treated/ un-treated effluent collection pond shall be lined suitably to prevent seepage into ground for avoiding ground water contamination. All the effluent treatment system shall be kept immediately rectified without delay; otherwise, similar alternate arrangement shall be made. Project proponent shall ensure the treated effluent quality within standard prescribed by ministry of environment, Forest and climate change, Government of India or Chhattisgarh Environment Conservation Board, New Raipur (whichever is stringent).	<ul style="list-style-type: none">• Closed loop water system is being practiced in the existing plant.• As the washery is Heavy media-based coal washery, water after washing will be recycled back in the process.• The effluent from the plant is sent to the thickener and flocculants are settled of suspended solids and helps to give a clearer overflow.• The settled solids are collected at the bottom cone of the thickener tank.• The solids which are collected in the bottom of the thickener are pumped to the multirole belt press for reclamation of water. The solid dried cake is blended with rejects.• The overflow of the thickener which is clear water is being recycled back in the process.• Collection ponds have been provided with stable liner to avoid ground water contamination.• The proposed plant is a zero-effluent plant and the process selected ensures reduction in dust generation and emission.

		<ul style="list-style-type: none"> Sanitary water is being generated from the plant, which is being treated in Septic tank followed by soak pit. <p>Kindly refer to Annexure –1 showing Waste Water analysis Reports.</p>
5.	Any liquid effluent what so ever generated from industrial activities shall not be discharged into the river or any surface water bodies under any circumstances, and it shall be reused wholly in the process/ plantation within premise. All the industrial effluent generated shall be re-circulated / reused after proper treatment. The un-treated/ treated domestic effluent shall not be discharge into the river. Treated domestic effluent shall be used for plantation purpose after proper disinfection. Project proponent shall make proper arrangement of suitable drains/ pipe network to ensure adequate flow for utilization of treated effluent inside the premises. The concept of zero discharge shall be maintained all the time except during monsoon. Arrangement shall be made that effluent and storm water do not get mixed.	<ul style="list-style-type: none"> Closed loop water system is being practices in the existing plant. As the washery is Heavy media-based coal washery, water after washing will be recycled back in the process. The effluent from the plant is sent to the thickener and flocculants are settlement of suspended solids and helps to give a clearer overflow. The settled solids are collected at the bottom cone of the thickener tank. The solids which are collected in the bottom of the thickener are pumped to the multirole belt press for reclamation of water. The solid dried cake is blended with rejects. The overflow of the thickener which is clear water is being recycled back in the process. Collection ponds has been provided with stable liner to avoid ground water contamination. The proposed plant is a zero-effluent plant and the process selected ensures reduction in dust generation and emission. Sanitary water is being generated from the plant, which is being treated in Septic tank followed by soak pit. <p>Kindly refer to Annexure –2 showing effluent treatment facility i.e. settling pond, collection pond etc.</p>
6.	Project proponent shall provide adequate measuring arrangement for the measurement of water utilized in different categories and effluent generated before commissioning of the washery.	<p>Separate water meters have been provided to measure water consumption at different sections. Kindly refer Annexure – 3 showing water meters</p>
7.	Water consumption shall not exceed 495 cum / day (process 490 cum / day and domestic-05 cum / day). Water will be sourced from ground water. Water requirement shall be optimized. Wet process based on closed water cycle system shall be adopted. Minimum water drawl for makeup purposes shall be ensured. Project proponent shall obtain permission for central ground water	<ul style="list-style-type: none"> We assure that, our total water consumption will not exceed 495 cum/day(i.e. process 490 cum / day and domestic 05 cum / day) Closed loop water system is being practiced in the existing plant. NOC from Central Ground Water Authority (CGWA) has been obtained vide no. CGWA/NOC/IND/REN/1/2022/6974 and same is valid till 03/05/2022 to 02/05/2025. Kindly refer

	Authority for use of underground water.	to Annexure –4 for same
8.	Project proponent shall provide adequate air pollution control arrangements such as bag filters at all point and nonpoint sources for the control of air pollutants emission from processes / operations and for the control of emissions during the handling & transportation of raw coal /rejects etc. before commissioning of the washery and maintain in proper order during operation. Project proponent shall install suitable & effective air pollution control equipment's at all transfer points, junction points etc also. All the conveying system, transfer point, junction point etc. shall be covered. The particulate emission from any point source shall not exceed 50 mg / Nm ³ under any circumstances.	High efficiency Bag filters have been provided to coal crushing unit to achieve Particulate Matter emission of less than 50 mg / Nm ³ as per stipulated norms. Kindly refer to Annexure – 5 showing photographs of Bag filter. Water sprinklers are provided on the internal roads, transfer points, junctions etc. Kindly refer to Annexure – 6 showing water sprinklers. All the conveyers in the plant are covered. Kindly refer to Annexure – 7 showing photographs of covered conveyers.
9.	The project authority shall ensure transportation of raw coal, washed coal and reject through railway as maximum as possible. In case of transportation of raw coal/rejects by road, the project proponent shall maintain fugitive dust emissions to the minimum level in the areas of road transportation routes to ensure compliance National Ambient Air Quality Standards prescribed including black topping / asphalting / concreting and maintenance with requisite water sprinkling arrangements. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded. The project authority shall obtain permission from competent authority of State Government for use of roads for transportation of raw coal, washed coal, reject / fines etc. thought roads.	92.67% of material (i.e. combining raw coal, clean coal, middling and rejects) is being transported through rail. Internal roads are made pucca to prevent the fugitive dust emission due to vehicular movement. Kindly refer to Annexure–8 showing photographs of internal roads. Water sprinklers are provided on the internal roads. Kindly refer to Annexure – 6 showing water sprinklers. Fugitive emission monitoring is being carried out in the plant premises and same is enclosed as Annexure – 9 All trucks utilised for transportation of material are being covered with tarpaulin sheets. Kindly refer to Annexure – 10 showing the same. Kindly refer to Annexure – 11 for PUC certificate of vehicle used for transportation and emission are under control.
10.	All air pollution control system shall be kept in good running condition all time and failure (if any), shall be immediately rectified without delay; otherwise, similar alternate arrangement shall be made. In the event of any failure of any pollution control system adopted by the industry, the respective production unit shall not be restarted until the control measures are rectified to achieve the	Interlocking facility has been provided in the existing plant, so that whenever air pollution control systems fails, production unit will be stopped and will be restarted only after rectification.

	desired efficiency.	
11.	Adequate number of permanent ambient air quality monitoring stations(not less than four)in the core zone as well as buffer zone for monitoring of PM2.5, PM10,NOx and SO2 shall be set-up in the down wind direction as well as where maximum ground level concentrations are anticipated in consultation with the Chhattisgarh Environment Conservation Board. Monitoring network shall be designed taking into account the environment and ecologically sensitive location of the stacks, meteorological conditions and topographic features including existing ambient air quality data. The data so collected shall be properly analyzed and submitted to the Chhattisgarh Environment Conservation Board, Naya Raipur, Regional Office, Chhattisgarh Conservation Board, Bilaspur SEIAA, Chhattisgarh and Regional Office, ministry of Environment, Forest and Climate change, Government of India, Nagpur in every six months.	Ambient air quality monitoring is being carried out by third party in the four locations. Kindly refer to Annexure – 12 for AAQ monitoring reports. Report are being submitted regularly to the CECB and Regional Office, MoEF&CC.
12.	Project proponent shall install separate electric metering arrangements with time totalizer and interlocking arrangement for the running of pollution control device(s) these arrangements shall be made in such a fashion that any non-functioning of pollution control device / devices shall immediately stop the electric supply to the raw coal supply system and shall remain tripped till the pollution control devices / devices are made functional again / rectified to achieve the desired efficiency.	Interlocking facility has been provided in the existing plant, so that whenever air pollution control systems fails, production unit will be stopped and will be restarted only after rectification.
13.	The raw coal, washed coal and coal wastes (rejects)shall be stacked properly at earmarked site(s) within stockyards fitted with wind breakers / shields. Adequate measures shall be taken to ensure that the stored minerals do not catch fire.	<ul style="list-style-type: none"> • Coal stock yard (Raw coal, Washed coal & Washery rejects) are kept in Storage yard with pucca platform above ground level provided with boundary walls. • Garland drains are provided all-round the storage yard. The runoff water from the yard will enter into garland drain and will be collected in settling tank. The supernatant is being utilized in the process. • Stock pile area are provided with automatic garden type sprinklers for dust suppression as well as to reduce spontaneous ignition of coal stock piles, necessary water distribution

		network is provided for distributing water at all transfer points, crusher house, control room, etc.
14.	Project proponent shall take effective steps for safe disposal of solid wastes and sludge. Project proponent shall obtain authorization from Chhattisgarh Environment Conservation Board for management and handling of hazardous materials as per Hazardous and other wastes(Management and Trans Boundary Movement)Rules, 2016(if required).	<ul style="list-style-type: none"> • 0.72 MTPA of washery rejects generated from the entire plant and is being given to nearby reject based power plant. • Hazardous waste generated such as used oil & used batteries are being given to authorized recyclers. Authorisation from CECB has been obtained.
15.	All the internal roads shall be made pucca before commissioning of the washery. The project proponent shall adopt good housekeeping practices. The road shall be regularly cleaned. Avenue plantation shall be developed along the roads. Facilities for parking of vehicles / trucks carrying raw / washed coal and waste reject etc. shall be created within the unit premises. No public place shall be used for parking of vehicles / trucks.	<p>Internal roads are made pucca to prevent the fugitive dust emission due to vehicular movement. Kindly refer to Annexure –8 showing photographs of pucca internal roads.</p> <p>Water sprinklers are provided on the internal roads. Kindly refer to Annexure – 6 showing water sprinklers.</p> <p>0.2 Acres of area is allocated for parking of truck in the project area.</p>
16.	Project proponent shall take proper action to control the noise pollution. Project proponent shall install appropriate noise barriers / control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation to control the noise. Earplugs / ear muffs etc. shall be provided to the employee working in the high noise areas. The noise level shall not exceed the limits 75 dB(A) during the day-time and 70 dB(A) during the night-time within the factory premises. Project proponent shall take adequate measures for control of Noise level below 85 dB(A) in the work examined to maintain audiometric record and for treatment for any hearing loss including rotating them to non-noisy / less noisy areas.	<ul style="list-style-type: none"> • Noise generating equipment's/machinery are provided the sound absorbing materials by the suppliers. • PPE like ear plugs have been provided to the personals working near crushing areas and other noise prone areas. • Awareness is provided to the personals by means of banners and slogans written at appropriate places. • Noise level monitoring is being carried out periodically at various locations in the plant premises. Kindly refer to Annexure – 13 for monitoring report of the same.
17.	Project proponent shall provide appropriate arrangements to avoid air pollution, water pollution, noise pollution etc. during construction phase and during transportation of plants/ machineries/ equipment/ construction materials etc. to the propose site. For controlling fugitive dust during transportation and construction works, regular sprinkling of water in village roads and	<ul style="list-style-type: none"> • Covered trucks are being utilized for transportation of Raw Coal, Washed Coal and Washery rejects out side the washery up to the railway siding, wherever possible • High efficiency Bag filters have been provided to coal crushing unit and regular sprinkling is being done. Kindly refer to Annexure – 5 showing photographs of Bag filter.

	<p>other vulnerable areas of the plant shall also be ensured. The emission from vehicles engaged for transportation of plants/ machineries/equipment/construction materials etc. to the site shall be ensured within prescribed vehicle emission forms. First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.</p>	<ul style="list-style-type: none"> • Internal roads are made pucca to prevent the fugitive dust emission due to vehicular movement. Kindly refer to Annexure – 8 showing photographs of internal roads. • Water sprinklers are provided on the in ternal roads. Kindly refer to Annexure–6 showing water sprinklers. • Fugitive emission monitoring is being carried out in the plant premises and same is enclosed as Annexure – 9 • First aid and sanitation facility has been provided in the plant premises.
18.	<p>The construction of effluent treatment plant and installation of air pollution control equipment shall be taken up simultaneously with other civil/ mechanical works at the propose site. The progress of the activities related to the project shall be submitted periodically to Chhattisgarh Environment Conservation Board, Naya Raipur, Regional Office Chhattisgarh Environment Conservation Board, Bilaspur, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment, Forest and climate change, Government of india, Nagpur.</p>	<p>Complied</p>
19.	<p>Project proponent shall provide adequate number of influent and effluent quality monitoring stations/ points in consultation with Chhattisgarh Environment Conservation Boards. Regular monitoring shall be carried out for relevant parameters. Regular monitoring of surface and ground water quality including heavy metals(Hg, Cr, As, Pb)shall be undertaken and the project area to ascertain the change in the water quality, if any, due to leaching of contaminants from disposal area/ project area. Result and data collected shall be analyzed to ascertain the status of water quality and findings shall be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations at the proponent's cost in and around project area in consultation with regional director, CGWB, Central Region, Bhopal.</p>	<ul style="list-style-type: none"> • Closed loop water system is being practiced in the existing plant. • As the washery is Heavy media-based coal washery, water after washing will be recycled back in the process. • Sanitary water is being generated from the plant, which is being treated in Septic tank followed by soak pit. • Ground water quality is being monitored periodically. Kindly refer to Annexure - 14 for monitoring report of Ground water.
20.	<p>Adequate safety measures shall be provided in the plant area to check/ minimize</p>	<ul style="list-style-type: none"> • Stock pile area are provided with automatic garden type sprinklers for dust suppression as

	<p>spontaneous fires in raw coal yard, washed coal, reject coal, yard etc. especially during summer season. Copy of the measures with full details along with location plant layout shall be submitted to Chhattisgarh Environment Conservation Board. Naya Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bilaspur, SEIAA, Chhattisgarh and Regional Office, ministry of Environment, Forest and Climate Change, Government of India, Nagpur.</p>	<p>well as to reduce spontaneous ignition of coal stock piles, necessary water distribution network is provided for distributing water at all transfer points, crusher house, control room, etc.</p> <ul style="list-style-type: none"> • Fire hydrants are provided at strategic locations in the plant premises. • Storage of coal for longer period is avoided. Also fire extinguishers of suitable types are provided at strategic locations in the plant premises to deal with emergency situations. • List of trained manpower dealing with fire accidents is displayed at the washery office.
21.	<p>All least 4.0 acres(at-least one third of the total plant area) shall be used for green belt development width of green belt shall not less than 15 meter all along the boundary of the plant premises. As far as possible maximum area of open spaces shall be utilized for plantation purposes. Industry shall ensure that at-least three year old plants shall be planted for green belt development. At least 2400 plantation shall be carried out within first year. Project proponent shall abide by the decisions taken by Ministry of Environment, Forest and Climate Change, Government of India/ Central Government/ Central Pollution Control Board/ State Government/ Chhattisgarh Environment Conservation Board from time to time in this regard. Tree density of 1500-2000 trees per hectare with local broad leaf species should be maintained.</p>	<ul style="list-style-type: none"> • 4.0 acres of land is developed with greenbelt in the existing plant throughout the periphery of plant premises. Kindly refer to Annexure – 15 showing photographs of plantation / greenbelt in the plant. • Till date 5200 No. of trees were planted within the plant premises with a survival rate of 90%. • 3 tier plantations have already been done in the plant premises.
22.	<p>Project proponent shall provide garland drains with appropriate check dams all along the raw coal, washed coal, washery rejects, coal sludge dump/ storage areas etc.to avoid any possibility of erosion(wearing away)during rain. Garland drain (size, gradient & length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the project site. Sump capacity shall also provide adequate retention period to allow proper setting of silt material, sedimentation constructed at the corners of the garland drains. Project proponent shall provide adequate collection and treatment arrangement for proper management of</p>	<ul style="list-style-type: none"> • Garland drains has been provided all-round the storage yard. The runoff water from the yard will enter into garland drain and will be collected in settling tank. The supernatant will be utilised in the process. Kindly refer to Annexure – 16 showing garland drains.

	storm water. The surface run-off shall be de-silted through a series of check dams and drains. The storm water shall be collected in storage tanks and used for industrial purpose, so as to reduce the ground water consumption.	
23.	Project proponent shall adopt the code of practice for coal washeries issued by Central Pollution Control Board.	Noted and agreed
24.	Project proponent shall rainwater-harvesting technique in the project area and residential area (if any) for recharge of ground water. The rainwater-harvesting technique shall be incorporated right from the design stage of all structures. Project proponent shall develop rainwater-harvesting structure to harvest the rainwater for utilization in the Lean season as well as to recharge the ground water table. A detailed scheme for rainwater harvesting to recharge the ground water aquifer shall be prepared in consultation with central ground water authority/ state ground water board. A copy of the same shall be submitted within three months to the Chhattisgarh Environment Conservation Board, Naya Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bilaspur, SEIAA, Chhattisgarh and Regional Office, ministry of Environment, forest and climate change, Government of India, Nagpur.	<ul style="list-style-type: none"> • Rain water harvesting (RWH) structures has been provided in the plant. • 2 no. of RWH structure has been provided. • Kindly refer to the Annexure – 17 for photographs showing the same.
25.	Project proponent shall establish an environment management cell to carryout function relating to environment management under the supervision of senior executive who would directly report to the head of organization. A full-fledged laboratory with qualified technical/ scientific staffs to monitor the influent, effluent, ground water, surface water, soil, stack emission and ambient air quality etc. shall be provided.	<p>Environment Cell has been formed in the project. Kindly refer to Annexure – 18 for details the same.</p> <p>Environment monitoring is being carried out through M/s. Ultimate Environmental Solutions, having MoEF & CC accreditation.</p>
26.	The project proponent shall also comply with all the environment protection measures and safe guards recommended in the EIA/EMP report. Further, the project proponent must undertake socio-economic development activities in the surrounding village like community development program, educational programmes drinking water	Socio economic activities are being carried regularly in the plant. Kindly refer to Annexure – 19 for details of socio-economic activities done along with expenses.

	supply and health care etc.	
27.	To ensure the generation of employment in the local areas. Recruitment shall be done from the local residents of the Chhattisgarh State, local persons shall be given employment during construction and operation of the coal washery.	Noted and agreed
28.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilet, mobile STP, safe drinking water, medical health care, crutch etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	Most of the workers are locally available: hence no such facilities are required. However proper sanitation facilities are provided to the employees in the plant premises.
29.	Occupation health surveillance of the all workers shall be done on a regular basis i.e. at-least once in a year and records maintained as per the factories etc.	Health check-up of employees is being carried out periodically. Kindly refer to Annexure – 20 for Health report of employees. Safety equipment's such as helmets, gloves, safety belts, ear plugs etc.
30.	Project proponent shall also ensure the availability of adequate pastureland for cattle feed after acquisition of land. Project proponent shall also facilitate the respective gram panchayat(s) for development of alternative pastureland for cattle feed in the village as per demand of concerning Gram Panchayat(s).	Noted and agreed An area of 1.0 acre has been made available as pasture land for feeding cattle of the village. Whenever demanded by concerning Gram Panchayat additional land will be identified in the village in consultation with the Gram Panchayat and will be developed as pasture land.
31.	Adequate funds shall be allocated for undertaking CSR activities (apart from committed plantation) and in any case it shall not be less than 02% of the profit. Project authority must undertake socio-economic development activities in the surrounding village like community development programmes, educational programmes, drinking water supply and health care etc. details of activities shall also be submitted to Chhattisgarh Environment Conservation Board, Naya Raipur Regional Office, Chhattisgarh and Regional Office, Chhattisgarh Environment Conservation Board, Bilaspur SEIAA, Chhattisgarh and Regional office, Ministry of Environment, forest and climate change, Government of India, Nagpur. The funds earmarked for purpose and year-wise expenditure should be	Socio economic activities are being carried regularly in the plant. Same as under process.

	reported to the Chhattisgarh Environment Conservation Board, Bilaspur, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment, forest and climate change, Government of India, Nagpur.	
32.	SEIAA Chhattisgarh reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction. SEIAA, Chhattisgarh reserve the right to amend/ cancel any of the conditions and add new conditions and make further stringent the emission/ effluent limit as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.	Noted and agreed
33.	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance latter, informing that the project has been accorded environment clearance and copies of clearance letter are available with the Chhattisgarh Environment Conservation Board and may also seen at website of the Ministry of Environment, forest and climate change, government of India at www.envfor.nic.in and website of SEIAA, Chhattisgarh at www.seiaacg.org .	Complied
34.	A copy of the clearance letter shall be sent by the proponent to concerned panchayat, zila parisad / municipal corporation, urban local body and the local NGO, if any, from whom suggestions/ representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Noted & complied
35.	Half yearly report on the status of implementation of the stipulated conditions and environment safeguards shall be submitted to the Chhattisgarh Environment conservation Board, Naya Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Bilaspur, SEIAA, Chhattisgarh and Regional Office, ministry of Environment, Forest and climate change,	Is being done periodically

	government of India, Nagpur.	
36.	Regional office of the ministry of environment, forest and climate change at Nagpur will monitor the implementation of the stipulated conditions. A complete set of document including Environment Impact Assessment report and environment management plan along with the additional information submitted from time to time shall be forwarded to the regional office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis.	Noted and agreed
37.	The project authority shall constitute a monitoring committee comprising of representatives of all stake holders i.e. Gram panchayat, villagers, workers, transporters and management etc. this committee shall monitor the conditions stipulated in the environment clearance, environment protection measures adopted, socio-economic development activities/community development programmes undertaking etc. the committee shall monitor the above matters at-least once in a month; during which, factual situation regarding above matters will be discussed. The suggestions (if any). Project management shall take immediate action on proceedings of the basis of observation / suggestions of the submitted to regional officer, Chhattisgarh Environment Conservation Board, Bilaspur for information.	Noted & being complied.
38.	The project authorities shall inform the regional office as well as the SEIAA, Chhattisgarh regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of washery.	Noted & Complied
39.	Full cooperation shall be extended to the scientists/ officers from the SEIAA, Chhattisgarh, ministry of environment, forest and climate change, government of India/ regional Office, ministry of environment, forest and climate change, government of India, Nagpur/ the CPCB/ the Chhattisgarh Environment Conservation Board, Naya	Noted & agreed

	Raipur, who would be monitoring the compliance of environment status.	
40.	In case of any deviation or alteration in the proposed project from those submitted to this SEIAA, Chhattisgarh for clearance, a fresh reference should be made to the SEIAA, Chhattisgarh to assess the adequacy of the conditions imposed and to add additional environment protection measures required, if any no, further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, government of India/ SEIAA, Chhattisgarh.	Noted & agreed
41.	Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of environment(protection) Act,1986.	Noted & agreed
42.	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB), Naya Raipur and the state Government.	Noted and agreed
43.	The above stipulation would be enforced among others under the Water (Prevention and Control of Pollution) Act 1974. The Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act 1986 and rules there under, Hazardous and Rules there under, Hazardous and Other Wastes (Management and Trans Boundary Movement) Rules 2016, the Pubic Liability Insurance Act, 1991 and its amendments. The proponent shall ensure to provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the washery operations.	Noted & agreed
44.	The issuance of this environment clearance does not convey any property rights in either real or personal property rights in either or personal property, or any exclusive privileges, nor does not authorize any injury to private property or any invasion of personal rights, nor any infringement of central, state or local	Noted & agreed

Clean Coal Enterprises Pvt. Ltd.[Gatora]

Six Monthly EC Compliance (Period: Jan 2023 to June 2023)

	laws or regulations.	
45.	Any appeal against this environment clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted & agreed

Format No. : UES/FORM/09



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		REPORT NO.	UES/TR/22-23/09533
To, Clean Coal Enterprises Pvt. Ltd. Village- Gatora, Near Gatora Railway Station, Dist.: Bilaspur (C.G.) 495550		LAB REF.NO.	UES/22-23/W/018254
		DATE OF SAMPLING	19/03/2023
		DATE OF RECEIPT	20/03/2023
		DATE OF REPORT	24/03/2023
		DATE OF ANALYSIS	Start:20/03/2023 END: 24/03/2023
SAMPLE DETAILS			
CUSTOMER SAMPLE ID / SAMPLING LOCATION	SETTLING POND	Customer Ref. No.	CCEPL/GATORA/BSP/2022-23/07/R
SAMPLE TYPE	WASTE WATER	SAMPLE CONDITION AT RECEIPT	OK
PACKING OF SAMPLE	JERRYCAN & GLASS BOTTLE	SAMPLE COLLECTED BY	CUSTOMER
OTHER DETAILS	SEALED	QUANTITY RECEIVED	APPROX 5 LTR.

TEST REPORT				
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	RESULT
1	pH Value at 25.2°C	-	IS:3025: (Part-11)	6.93
2	Conductivity	µS/Cm	IS:3025: (Part-14)	251.8
3	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	151.0
4	Chloride (as Cl)	mg/L	IS:3025: (Part-32)	20.9
5	Turbidity	NTU	IS:3025: (Part-10)	26.7
6	Total Alkalinity (as CaCO ₃)	mg/L	IS:3025: (Part-23)	46.0
7	Total Hardness (as CaCO ₃)	mg/L	IS:3025: (Part-21)	90.0
8	Calcium (as Ca)	mg/L	IS:3025: (Part-40)	15.23
9	Magnesium (as Mg)	mg/L	IS:3025: (Part-46)	12.64
10	Sulphate (as SO ₄)	mg/L	IS:3025: (Part-24)	10.9
11	Fluoride (as F)	mg/L	IS:3025: (Part-60)	0.19
12	Nitrate (as NO ₃)	mg/L	IS:3025: (Part-34)	1.61
13	Total Suspended Solid	mg/L	IS:3025: (Part-17)	45.0
14	Iron (as Fe)	mg/L	IS:3025: (Part-53)	0.19
15	Bio-Chemical Oxygen Demand at 270C for 3 days	mg/L	IS:3025: (Part-44)	15.4
16	Chemical Oxygen Demand	mg/L	IS:3025: (Part-58)	40.0
17	Oil & Grease	mg/L	IS:3025: (Part-39)	2.7
18	Lead (as Pb)	mg/L	IS:3025: (Part-47)	N.D.
19	Chromium (as Cr)	mg/L	IS:3025: (Part-52)	N.D.
20	Arsenic (as As)	mg/L	IS:3025: (Part-37)	N.D.
21	Mercury (as Hg)	mg/L	IS:3025: (Part-48)	N.D.
22	Total Coliform	MPN/100ml	IS:1622:1981:RA:2019	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The above analysis report refers to the particular sample received at our end and the use of the report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only.

 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
------------------------	---	---------------------------------

-----End of the test report-----

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Effluent treatment facility



Water Meters



NOC from Central Ground Water Authority



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

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s. Clean Coal Enterprises Pvt. Ltd.		
Project Address:	Village Gataura Block Masturi District Bilaspur		
Village:	Gataura	Block:	Masturi
District:	Bilaspur	State:	Chhattisgarh
Pin Code:			
Communication Address:	M/s. Clean Coal Enterprises Pvt. Ltd., 1st Floor, Sai Parisar Commercial Complex, Srikant Verma Marg, Bilaspur, Takhatpur, Bilaspur, Chhattisgarh - 495001		
Address of CGWB Regional Office :	Central Ground Water Board North Central Chhattisgarh, 2nd Floor, Lk Corporate And Logistic Park, Dhamtari Road, Nh-30, Dumartarai, Raipur, Chhattisgarh - 492015		

1. NOC No.:	CGWA/NOC/IND/REN/2/2022/6974														
2. Application No.:	21-4/356/CT/IND/2016						3. Category: (GWRE 2020)	Safe							
4. Project Status:	Existing Ground Water						5. NOC Type:	Renewal							
6. Valid from:	03/05/2022						7. Valid up to:	02/05/2025							
8. Ground Water Abstraction Permitted:															
Fresh Water			Saline Water				Dewatering			Total					
m ³ /day		m ³ /year		m ³ /day		m ³ /year		m ³ /day		m ³ /year		m ³ /day		m ³ /year	
490.00		164150.00													
9. Details of ground water abstraction /Dewatering structures															
Total Existing No.:3								Total Proposed No.:0							
		DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu		
Abstraction Structure*		0	0	3	0	0	0	0	0	0	0	0	0		
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mline Pumps															
10. Ground Water Abstraction/Restoration Charges paid (Rs.):									272930.00						
11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers						Monitoring Mechanism								
						Manual		DWLR**		DWLR With Telemetry					
**DWLR - Digital Water Level Recorder						1		0		1		0			

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

Bag filter photographs





 **GPS Map Camera**



बिलासपुर, छत्तीसगढ़, भारत

क्लीन कोल् इंटरप्राइजेस प्राइवेट लिमिटेड गातौरा यूनिट 2 छत्तीसगढ़ 495550

Lat 22.050445°

Long 82.238949°

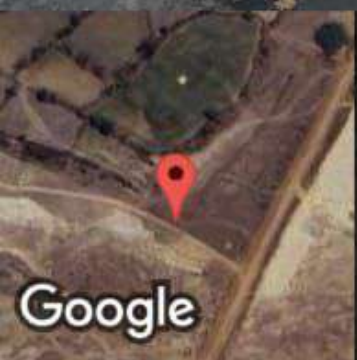
31/10/23 02:17 PM GMT +05:30

covered conveyers





GPS Map Camera



बिलासपुर, छत्तीसगढ़, भारत

क्लीन कोल् इंटरप्राइजेस प्राइवेट लिमिटेड गातैरा यूनिट 2 छत्तीसगढ़ 495550

Lat 22.050445°

Long 82.238949°

31/10/23 01:10 PM GMT +05:30

Fugitive Dust Emission Monitoring Report

Format No. : UES/FORM/09



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		REPORT NO	UES/TR/22-23/09532	
To, Clean Coal Enterprises Pvt. Ltd. Village- Gatora, Near Gatora Railway Station, Dist.: Bilaspur (C.G.) 495550		LAB REF NO	UES/22-23/FE/018252-018253	
		DATE OF SAMPLING	19/03/2023 to 20/03/2023	
		DATE OF RECEIPT	20/03/2023	
		DATE OF REPORT	24/03/2023	
		DATE OF ANALYSIS	Start:20/03/2023	End:24/03/2023
SAMPLE DETAILS				
Monitoring For	Fugitive Emission			
Customer Ref. No.	CCEPL/GATORA/BSP/2022-23/07/R			
Sampling Location	1. Near DD Screen 2. Near Rotary Breaker			
Duration Of Sampling	8 Hours			
Sample Collected By	Laboratory Chemist			
Sampling Procedure	As Per Method Reference			
Sample Quantity/Packing	GMF Filter Paper (8 X 10 Inch): 1x1 No.			

TEST REPORT

Parameter	Unit	Result		The Environment (Protection) Rules, 1986 Standard	Method Reference
		Near DD Screen	Near Rotary Breaker		
Suspended Particulate Matter (SPM)	$\mu\text{g}/\text{m}^3$	97	103	150	EPA Method IO-2.1
SRPM	$\mu\text{g}/\text{m}^3$	114	120	-	EPA Method IO-2.1
Sulphur Dioxide (SO_2)	$\mu\text{g}/\text{m}^3$	11	14	80	IS 5182 (Part 2): 2001, RA 2006 & CPCB Guidelines Vol.-I
Oxides of Nitrogen (NO_x)	$\mu\text{g}/\text{m}^3$	23	27	80	IS 5182 (Part-6): 2006 & CPCB Guidelines Vol.-I

Terms & conditions

- > The report for publication, arbitration or as legal dispute is forbidden.
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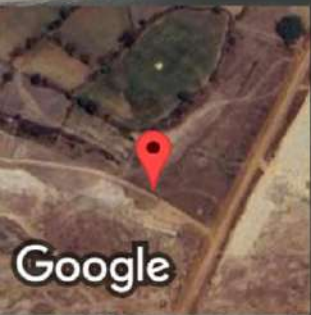
 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
------------------------	---	---------------------------------

-----End of the test report-----

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 **GPS Map Camera**



बिलासपुर, छत्तीसगढ़, भारत

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Lat 22.050445°

Long 82.238949°

31/10/23 01:53 PM GMT +05:30

Google

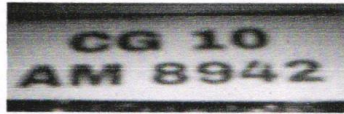
PUC Certificate of Vehicles

CG10AM8942

29-10-2022

28-04-2023

37.7%



SONI AUTO EMISSION TESTING

CG10/PUC/10/16

Vehicle Pass.

WB-01-

Transport
Department**POLLUTION UNDER CONTROL CERTIFICATE**
(Under the West Bengal Motor Vehicles Rules, 1989)**SONI AUTO EMISSION TESTING CEN**
TIKRAPARA, BILASPUR, CHHATTISGARH
PH: 9644094463

Label Code: CG

Licence No: CG10/PUC/10/16

Test Station Code: 10

PUC No.: CG10005904

Vehicle Reg No: CG10AM8942

Name: CLEAN COAL

Category: Truck

Address: BILASPUR

Make: TATA

Model: 4923

Date of Reg.: 2018

Date: 29-10-2022

Speedo mtr Rdg: 0

Time: 06:41 PM

Engine No.: AS PER RC

Fuel: Diesel

Chassis No.: AS PER RC

Flushing Cycle Mean: RPM Min: 933

RPM Max: 923

SNo.	RPM min	RPM max	K m-l	HSU %	OTP C
1	0000	1940	01.10	37.8	045.00
2	0000	1910	01.10	37.8	045.00
3	0360	1920	01.10	37.7	044.00

Valid upto: 28-04-2023

Grade : A

Test Fee : 150

Mean 0120 1923 01.10/m 37.7% 044.66

This vehicle meets Emission Standards Prescribed under Rule 115(2) of Central Motor Vehicle Rule's 1989.

Seal of Testing Centre

Authorised Signatory

INDUS DiesX 2.07ND/0000-0000/555

Ambient Air Quality Monitoring Report



Format No. : UES/FORM/09

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer		Report No.	UES/TR/22-23/09531	
To, Clean Coal Enterprises Pvt. Ltd. Village- Gatora, Near Gatora Railway Station, Dist.: Bilaspur (C.G.) 495550		Lab Ref No.	UES/22-23/AAQM/018244-018251	
		Date Of Sampling	19/03/2023 to 20/03/2023	
		Date Of Receipt	20/03/2023	
		Date Of Report	24/03/2023	
		Date Of Analysis	Start:20/03/2023	End:24/03/2023
SAMPLE DETAILS				
Monitoring For	Ambient Air Quality Monitoring			
Sampling Location	A. INSIDE PLANT AREA			
	1. Near PLC Room No.01			
	2. Near Security office			
	3. Near Coal Yard			
	4. Near PLC Room			
	B. OUTSIDE PLANT AREA			
	5. Gatora village			
	6. Karra Village			
	7. Nimtara Village			
8. Farahda village				
Customer Ref. No.	CCEPL/GATORA/BSP/2022-23/07/R			
Duration Of Sampling	As per CPCB norms			
Sample Collected By	Laboratory Chemist			
Sampling Procedure	As Per Method Reference			
Sample Quantity/Packing	Filter Paper (PM ₁₀): 1X1 No., Filter Paper (PM _{2.5}): 1X1 No. SO ₂ : 30mlX1 No. PVC Bottle, NO ₂ : 30mlX1 NO. PVC Bottle, Rubber Bladder: 1X1 No.			

Test Method for Ambient Air Quality Monitoring

Parameter	Method Reference
Particulate Matter size less than 10 microns (PM ₁₀)	IS:5182:(Part 23):2006 &CPCB Guidelines Vol.-I
Particulate Matter size less than 2.5 microns (PM _{2.5})	IS:5182:(Part 24):2019&CPCB Guidelines Vol.-I
Sulphur Dioxide (SO ₂)	IS:5182:(Part 2): 2001, RA 2006 &CPCB Guidelines Vol.-I
Nitrogen Dioxide (NO ₂)	IS:5182:(Part 6): 2006 & CPCB Guidelines Vol.-I
Carbon Monoxide (CO)	IS:5182:(Part 10):1999, RA 2003
Lead (Pb)	CPCB Guidelines Vol.-I, AAS Method
Arsenic (As)	CPCB Guidelines Vol.-I, AAS Method
Nickel (Ni)	CPCB Guidelines Vol.-I, AAS Method
Cadmium (Cd)	CPCB Guidelines Vol.-I, AAS Method
Chromium (Cr)	CPCB Guidelines Vol.-I,AAS Method

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Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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REPORT NO.- 09531

TEST REPORT

Parameter	Unit	NAAQM Standard	Results							
			INSIDE PLANT AREA				OUTSIDE PLANT AREA			
			Near PLC Room No.01	Near Security office	Near Coal Yard	Near PLC Room	Gatora Village	Karra Village	Nimtara Village	Farahda village
PM ₁₀	µg/m ³	100	70	68	72	66	62	61	59	63
PM _{2.5}	µg/m ³	60	38	36	39	35	33	32	30	34
SO ₂	µg/m ³	80	11	13	14	10	12	11	10	12
NO ₂	µg/m ³	80	28	26	30	25	26	25	24	28
CO	mg/m ³	4.0	0.5	0.4	0.6	0.4	0.4	0.3	0.2	0.4
Pb	µg/m ³	1.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
As	ng/m ³	6.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ni	ng/m ³	20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cd	µg/m ³	-	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cr	µg/m ³	-	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

REMARKS: RESULTS ARE AS ABOVE

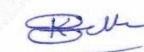
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For ULTIMATE ENVIROLYTICAL SOLUTIONS



AUTHORIZED SIGNATORY

-----End of the test report-----

Noise Level Monitoring reports

Format No. : UES/FORM/09



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Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

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Name & Address of The Customer		REPORT NO	UES/TR/22-23/09535
To, Clean Coal Enterprises Pvt. Ltd. Village- Gatora, Near Gatora Railway Station, Dist.: Bilaspur(C.G.) 495550		LAB REF NO	UES/22-23/N/018258-018265
		DATE OF REPORT	24/03/2023
		DATE OF SAMPLING	19/03/2023 to 20/03/2023
SAMPLE DETAILS			
MONITORING FOR	NOISE LEVEL MONITORING		
Customer Ref. No.	CCEPL/GATORA/BSF/2022-23/07/R		
SAMPLING LOCATIONS	PLANT INSIDE AND OUTSIDE PREMISES		
SAMPLE RECEIVED ON	MONITORING AT		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	MANUFACTURER'S INSTRUCTION		
SAMPLE QUANTITY/PACKING	NOT APPLICABLE		

TEST REPORT					
LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
NEAR PLC ROOM NO.01	dB (A)	61.1	55.0	75	70
NEAR SECURITY OFFICE	dB (A)	57.4	49.3		
NEAR COAL YARD	dB (A)	53.8	47.8		
NEAR PLC ROOM	dB (A)	62.6	43.6		
OUTSIDE PREMISES (RESIDENTIAL ZONE)					
GATORA VILLAGE	dB (A)	53.2	43.6	55	45
KARRA VILLAGE	dB (A)	47.6	37.4		
NIMTARA VILLAGE	dB (A)	51.4	43.1		
FARAHDA VILLAGE	dB (A)	45.3	39.5		
REMARKS: RESULTS ARE AS ABOVE					
Terms & conditions					

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

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- > This is for information as the party has asked for above test(s) only.

 REVIEWED BY	 For ULTIMATE ENVIROLYTICAL SOLUTIONS	 AUTHORIZED SIGNATORY
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-----End of the test report-----

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Ground water Analysis report



Format No. : UES/FORM/09

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

Name & Address Of The Customer To, Clean Coal Enterprises Pvt. Ltd. Village- Gatora, Near Gatora Railway Station, Dist.: Bilaspur(C.G.) 495550		REPORT NO.	UES/TR/22-23/09534	
		LAB REF.NO.	UES/22-23/W/018255-018257	
		DATE OF SAMPLING	19/03/2023	
		DATE OF RECEIPT	20/03/2023	
		DATE OF REPORT	24/03/2023	
		DATE OF ANALYSIS	Start:20/03/2023	END:24/03/2023
SAMPLE DETAILS				
CUSTOMER SAMPLE ID / SAMPLING LOCATION	1. NEAR SCREEN HOUSE 2. NEAR MCC ROOM-02 3. NEAR WEIGHT BRIDGE NO.08	Customer Ref. No.	CCEPL/GATORA/BSP/2022-23/07/R	
SAMPLE TYPE	BOREWELL WATER	SAMPLE CONDITION AT RECEIPT	OK	
PACKING OF SAMPLE	PLASTIC BOTTLE	SAMPLE COLLECTED BY	CUSTOMER	
OTHER DETAILS	SEALED	QUANTITY RECEIVED	APPROX 5 LTR.	

REPORT NO.- 09534

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	RESULT		
				NEAR SCREEN HOUSE	NEAR MCC ROOM 02	NEAR WEIGHT BRIDGE NO.08
1	Colour	Hazen	IS:3025: (Part-4)	<1	<1	<1
2	Odour	-	IS:3025: (part-5)	Agreeable	Agreeable	Agreeable
3	Taste	-	IS:3025: (part-8)	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS:3025: (Part-10)	0.66	0.51	0.37
5	pH Value at 25.4°C	-	IS:3025: (Part-11)	7.19	7.25	7.51
6	Total Hardness (as CaCO ₃)	mg/L	IS:3025: (Part-21)	144	134	164
7	Iron (as Fe)	mg/L	IS:3025: (part-53)	N.D.	N.D.	N.D.
8	Chloride (as Cl)	mg/L	IS:3025: (Part-32)	27.9	19.9	23.9
9	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	353	415	326
10	Calcium (as Ca)	mg/L	IS:3025: (Part-40)	27.25	32.87	45.29
11	Copper (as Cu)	mg/L	IS:3025: (part-42)	N.D.	N.D.	N.D.
12	Manganese (as Mn)	mg/L	IS:3025: (part-59)	N.D.	N.D.	N.D.
13	Sulphate (as SO ₄)	mg/L	IS:3025: (Part-24)	22.8	15.2	21.3
14	Nitrate (as NO ₃)	mg/L	IS:3025: (part-34)	1.4	1.2	2.1
15	Fluoride (as F)	mg/L	IS:3025: (part-60)	0.12	0.19	0.15
16	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	IS:3025: (part-43)	N.D.	N.D.	N.D.

Page 1 of 2

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Ultimate
ENVIROLYTICAL SOLUTIONS

Format No. : UES/FORM/09

HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1996

REPORT NO.- 09534

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	RESULT		
				NEAR SCREEN HOUSE	NEAR MCC ROOM 02	NEAR WEIGHT BRIDGE NO.08
17	Mercury (as Hg)	mg/L	IS:3025:(part-48)	N.D.	N.D.	N.D.
18	Selenium (as Se)	mg/L	IS:3025:(part-56)	N.D.	N.D.	N.D.
19	Arsenic (as As)	mg/L	IS:3025:(part-37)	N.D.	N.D.	N.D.
20	Cyanide (as CN)	mg/L	IS:3025:(part-27)	N.D.	N.D.	N.D.
21	Lead (as Pb)	mg/L	IS:3025:(part-47)	N.D.	N.D.	N.D.
22	Zinc (as Zn)	mg/L	IS:3025:(part-49)	N.D.	N.D.	N.D.
23	Anionic Detergent (as MBAS)	mg/L	Annex K of IS:13428	N.D.	N.D.	N.D.
24	Chromium (as Cr)	mg/L	IS:3025:(Part-52)	N.D.	N.D.	N.D.
25	Polynuclear	mg/L	APHA 6440	N.D.	N.D.	N.D.
26	Hydrocarbon	mg/L	IS:3025:(part-26)	N.D.	N.D.	N.D.
27	Mineral Oil	mg/L	IS:3025:(part-39)	N.D.	N.D.	N.D.
28	Aluminium (as Al)	mg/L	IS:3025:(part-55)	N.D.	N.D.	N.D.
29	Boron	mg/L	IS:3025:(part-57)	N.D.	N.D.	N.D.
30	Total Alkalinity (as CaCO ₃)	mg/L	IS:3025:(Part-23)	84.0	88.0	66.0
31	Magnesium (as Mg)	mg/L	IS:3025:(Part-46)	18.47	12.64	12.39
32	Conductivity	µS/Cm	IS:3025:(Part-14)	588.5	691.6	543.3
33	Total Coliform	MPN/100ml	IS: 1622:1981:RA:2019	Absent	Absent	Absent

Note: mg/lit.: milligram per liter, N.D.: Not Detected

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The above analysis report refers to the particular sample received at our end and the use of the report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15 days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above test(s) only.

Ph...
24/03/23

REVIEWED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS

Be...

AUTHORIZED SIGNATORY

-----End of the test report-----



GPS Map Camera



बिलासपुर, छत्तीसगढ़, भारत

क्लीन कोल् इंटरप्राइजेस प्राइवेट लिमिटेड गातैरा यूनिट 2 छत्तीसगढ़ 495550

Lat 22.050445°

Long 82.238949°

31/10/23 02:32 PM GMT +05:30

Garland drain at storage area



RWH Pits photographs



Environment Monitoring Cell

CLEAN COAL ENTERPRISES PVT LTD.			
GATORA- ENVIRONMENT CELL			
S.NO	NAME	QUALIFICATION	DESIGNATION
1	PAWAN AGRAWAL	B.COM	DIRECTOR
2	S.P VERMA	DIPLOMA IN MECHANICAL	MANAGER
3	S.K.SRIVASTAV	DIPLOMA IN MECHANICAL	MANAGER
4	O.P SHARMA	BSC	LAB CHEMIST
5	DEEPAK PANIGRAHI	PG	HR

Socio economic activities carried out during Jan 2023 to June 2023

S.No.	Date	Particulars	Village	Works	Amount
1.	27-06-2023	Sunil Kumar Agrawal LLP	Gatora	BT Patch Road Repairing Work form Lagra Village Main Road to Gatora Village for Gatora	9,80,000
2.	30-06-2023	Bajrang Conveyors	Gatora	Tree Guard (Angle Frame) 1000 Nos at Gatora Village	68,322
				Total	10,48,322

Report of Occupational Health status of Employee			
Name	G INDER RAO		
Nature of Employment	UNLOADING		
Company Name	CLEAN COAL ENETRPRISES PVT LTD		
Unit	GATORA		
ID No			
Sex	MALE	Age	42/4
Designation	SUPERVISOR		
Department	UNLOADING		
Height	161 C.M		
Weight	76 K.G		
Vision: Visual acuity (Distant Vision) With/Without glasses			
Right eye	} normal vision		
Left eye			
Colour blindness	NO		
Squint	NO		
Ear (audiometry)			
Noise induced hearing loss	NO		
Respiratory System (Spirometry)			
Parameters	0		
FVC (Liters)	092		
FEV1	098		
FEV1/FVC%	107		
PEFR(Litres/sec)	056		
MVV(Liters/min)	025		
Conclusion	Normal limits		
Skiagram of chest	NAD		
Circulatory System			
Parameters	Blodd pressure (mmhg) 120/80		
	Sinus rhythm		
Biochemical Parameters			
A. Urine			
Specific gravity	1.020	Protein (gm/l)	Absent
PH	5.1	Bilirubin	Absent
Blood	0-0/hpf	keones	Absent
Leucocytes	1-2-hpf	Glucose	Absent
Nitite	not Detected	Uroilinogen	1.5 mg/dl
B. Random Blood Sugar (mg/dl)	104 mg/dl		
Remarks	Deposit Absent		
	Signature of Doctor (with seal)		

Years

MR. G. ZINDER

HR : 61 bpm

P : 85 ms

PR : 142 ms

QRS : 79 ms

QT : 380/385 ms

QTc : 70/31/62 °

RV5/SVI : 1.141/0.662 mV

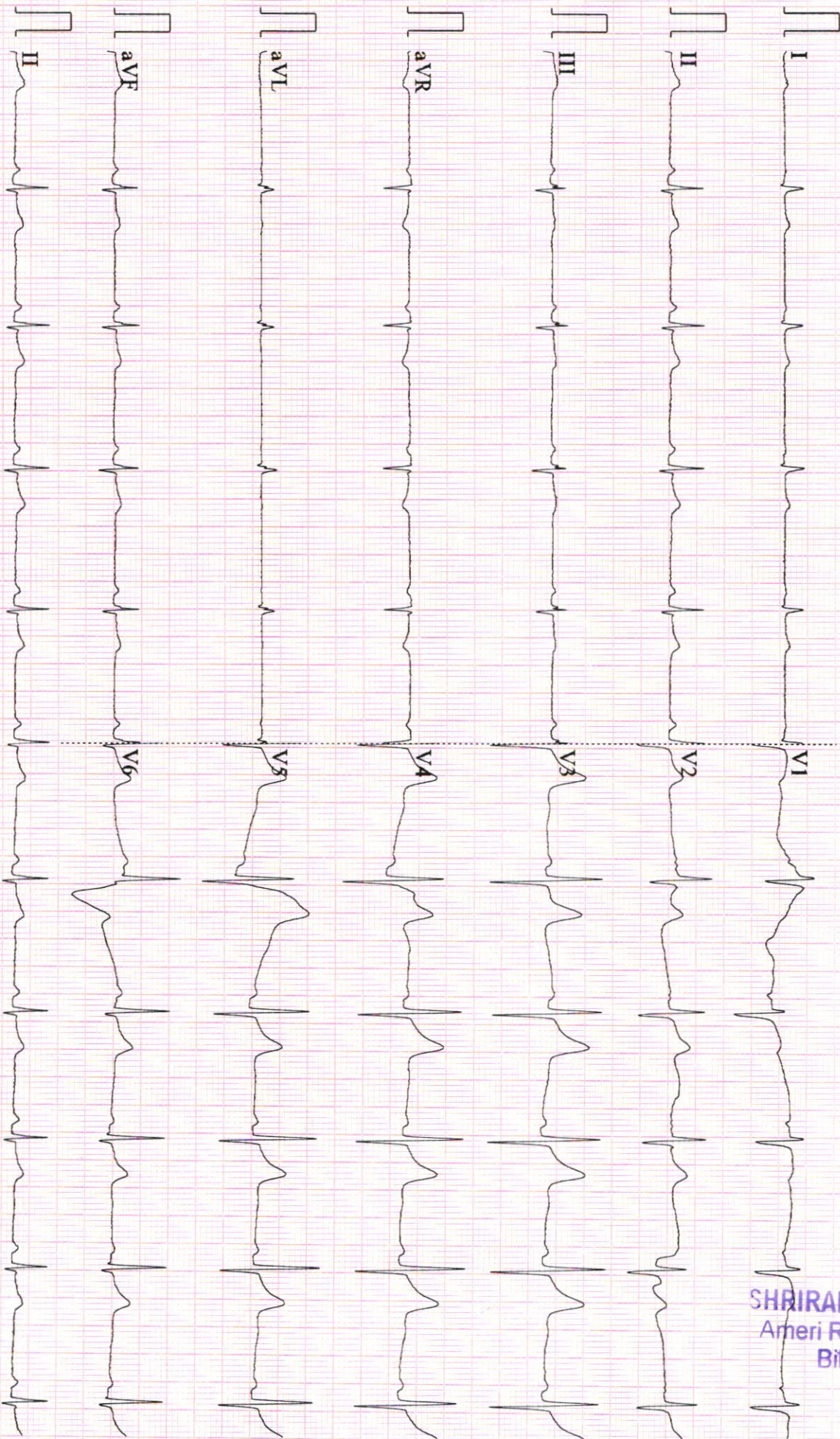
Diagnosis Information:

Sinus Rhythm

Slight ST Elevation(V4,V5)

Report Confirmed by:

SHRIRAM CARE HOSPITAL
Ameri Road, Nehru Nagar
Bilaspur (C.G.)

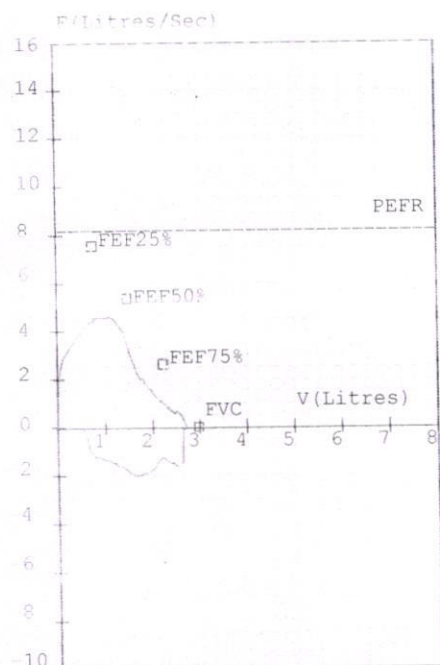
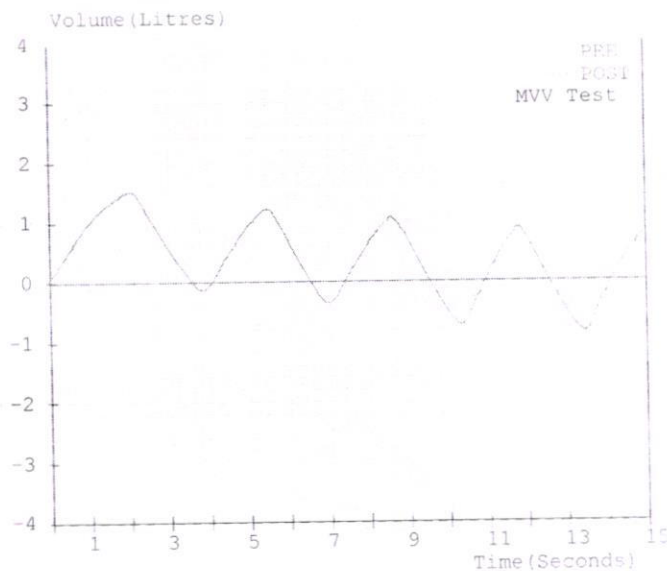
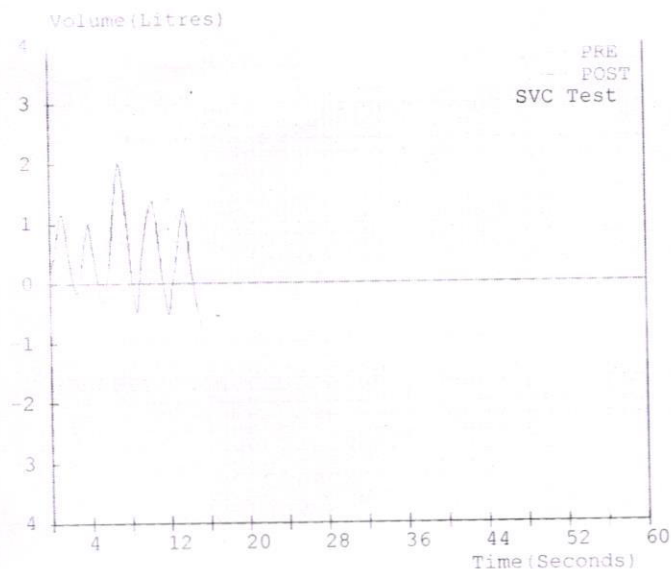


SHRIRAM CARE HOSPITAL

BILASPUR

Patient: G INDER RAO
Refd. By:
Pred.Eqns:
Date : 10/05/2023

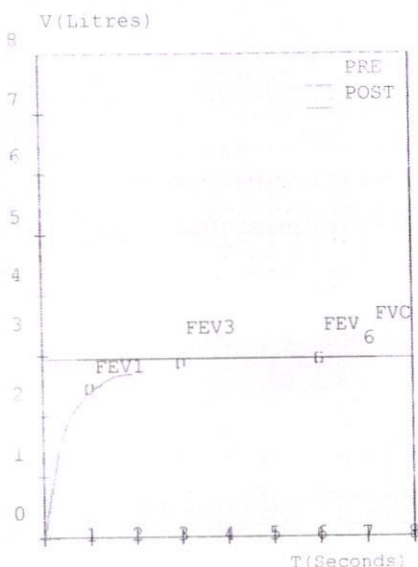
Age : 42 Years Gender: Male
Height : 161 Cms Smoker : No
Weight : 76 Kgs Eth. Corr: 100
ID: Temp :



Spirometry Results						
Parameter	Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC (L)	02.96	02.72	092	----	----	----
FEV1 (L)	02.45	02.40	098	----	----	----
FEV1/FVC (%)	82.77	88.24	107	----	----	----
FEF25-75 (L/s)	03.80	02.86	075	----	----	----
PEFR (L/s)	08.18	04.56	056	----	----	----
FIVC (L)	----	02.15	----	----	----	----
FEV.5 (L)	----	01.95	----	----	----	----
FEV3 (L)	02.88	02.72	094	----	----	----
PiFR (L/s)	----	01.87	----	----	----	----
FEF75-85 (L/s)	----	01.01	----	----	----	----
FEF.2-1.2 (L/s)	06.45	04.04	063	----	----	----
FEF 25% (L/s)	07.55	04.31	057	----	----	----
FEF 50% (L/s)	05.39	03.96	073	----	----	----
FEF 75% (L/s)	02.62	01.31	050	----	----	----
FEV.5/FVC (%)	----	68.01	----	----	----	----
FEV3/FVC (%)	97.30	100.00	103	----	----	----
FET (Sec)	----	02.06	----	----	----	----
ExpiTime (Sec)	----	00.18	----	----	----	----
Lung Age (Yrs)	039	040	103	----	----	----
FEV6 (L)	02.96	----	----	----	----	----
FIF 25% (L/s)	----	00.47	----	----	----	----
FIF 50% (L/s)	----	01.29	----	----	----	----
FIF 75% (L/s)	----	01.97	----	----	----	----
SVC (L)	----	02.86	----	----	----	----
ERV (L)	01.28	00.43	034	----	----	----
IRV (L)	----	01.01	----	----	----	----
VE (L/min)	----	30.69	----	----	----	----
Rf (l/min)	----	23.08	----	----	----	----
Ti (sec)	----	01.00	----	----	----	----
Te (sec)	----	01.40	----	----	----	----
VT (L)	----	01.33	----	----	----	----
VT/Ti	----	01.11	----	----	----	----
Ti/Ttot	----	00.46	----	----	----	----
IC (L)	----	02.34	----	----	----	----
MVV (L/min)	122	030	025	----	----	----
MRf (l/min)	----	18.83	----	----	----	----
MVT (L)	----	01.65	----	----	----	----

Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70
Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80.



SHRIRAM CARE HOSPITAL
Ameri Road, Nehru Nagar
Bilaspur (C.G.)
DR. NITASHA SONI
MD

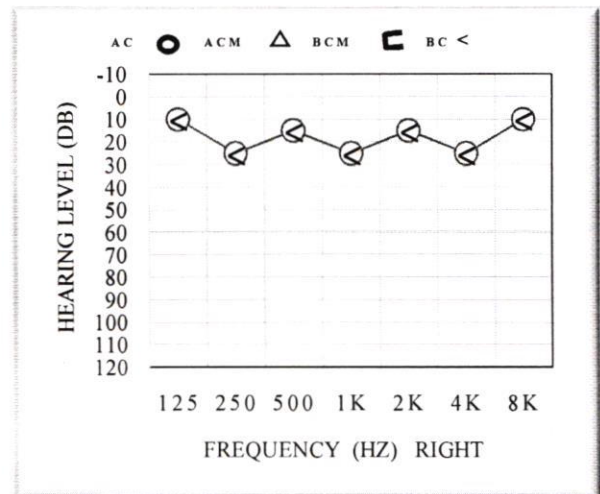
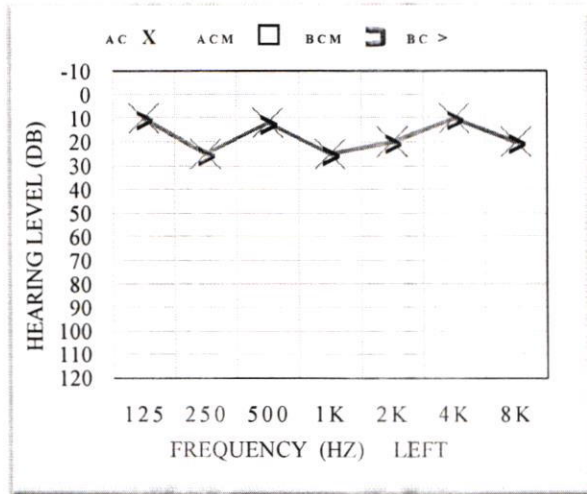
AUDIOMETER SHRIRAM CARE HOSPITAL

DATE:- 10/05/2023

NAME : G INDER RAO

AGE / SEX : 42 Y/MALE

AUDIOGRAM



MODE EAR	AIR CONDUCTION		BONE CONDUCTION		COLOUR CODE	THRESHHOLD IN dB		LEFT	RIGHT
	MASKED	UNMASKED	MASKED	UNMASKED		AIR CONDUCTION		19	18.3
LEFT	□	×	▣	>	BLUE	BONE CONDUCTION			
RIGHT	△	○	▣	<	RED	SPEECH			
NO RESPONSE : ADD ↓BELOW THE RESPECTIVE SYMBOLS									

REMARK : NORMAL HEARING

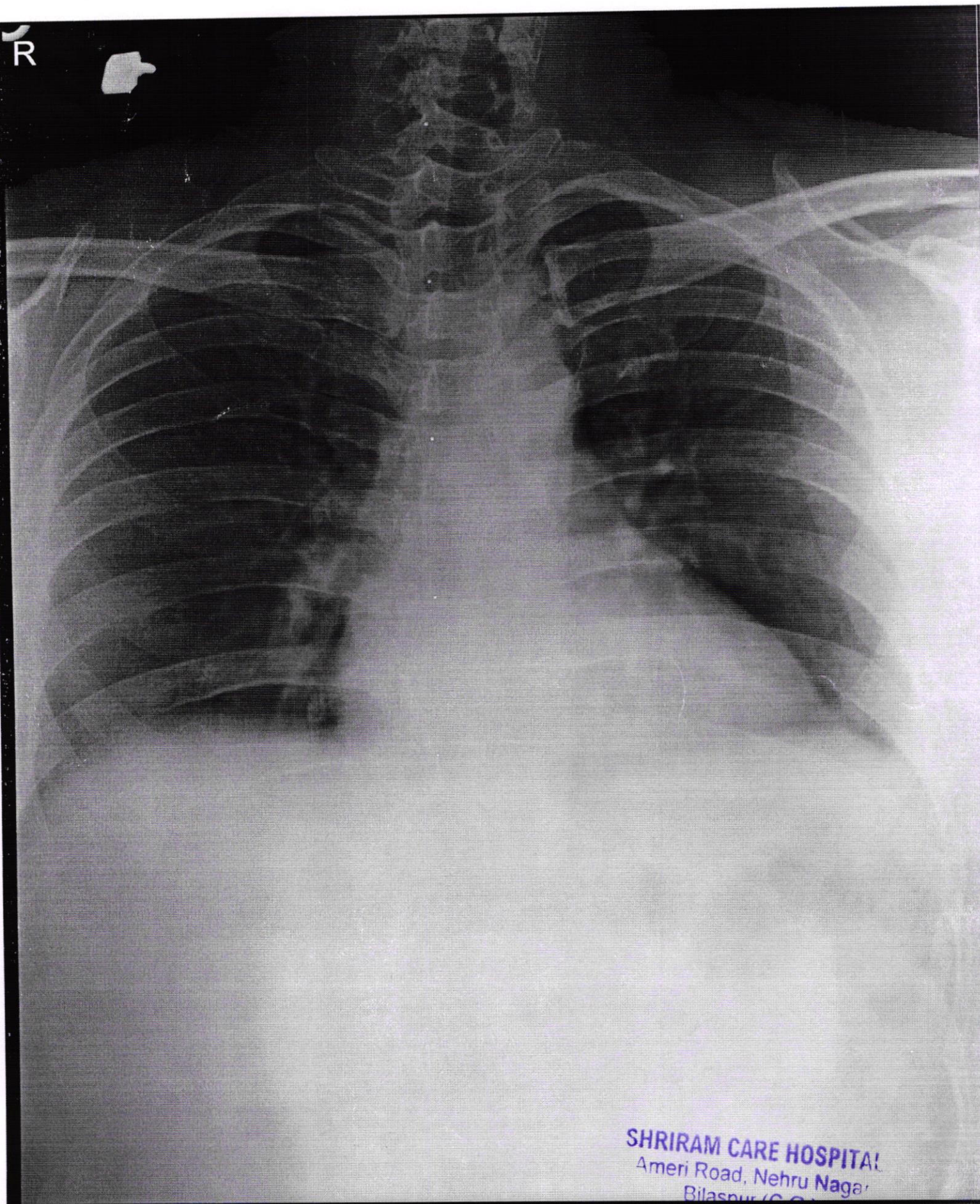
SHRIRAM CARE HOSPITAL
Ameri Road, Nehru Nagar
Bilaspur (C.G.)

केन्द्रीय शासन एवं छत्तीसगढ़ राज्य शासन से मान्यता प्राप्त अस्पताल

AN ISO 9001 : 2008 CERTIFIED MULTISPECIALITY HOSPITAL & DIALYSIS CENTRE

CASHLESS FACILITIES FOR : COAL INDIA (SECL, NCL, MCL) SECR AYUSHMAN BHARAT ESIC ESIS GOVT REGD. MTP LIT CSEB FCI 17(2) FORM IT SBI DIRCON GGCU VIDAL TPA IFFCO TOKIO GIC STAR HEALTH & ALLIED GIC BAJAJ ALLIANZ GIC PARAMOUNT TPA UNITED HEALTHCARE HEALTH ASSURE ERICSON TPA FOCUS HEALTH TPA CHOLAMANDALAM FHPL RELIANCE GIC RAKSHA TPA EKIN CARE E-MEDITECH TPA GENINS INDIA TPA UNIVERSAL SOMPO GIC HEALTH INDIA INSURANCE TPA HITPA MAX BUPA TPA ADITYA BIRLA GIC GOOD HEALTH TPA IMD INDIA TPA NAVI GIC

R



SHRIRAM CARE HOSPITAL
Ameri Road, Nehru Nagar
Bilaspur (C.G.)

G INDER RAO 42Y. DR. HIND ENERGY 00017780 5/10/2023

SHRI RAM CARE HOSPITAL, AMERI ROAD NEHRU NAGAR BSP (C.G.) PH:0771-271111

Patient Details : Mr. G INDER RAO / UNID136058 / 42 yrs / Male / 000

Referred By : Dr. Shriram Care Hospital

Date : 10 May, 2023

Lab No : 136058/1683657000

PATHOLOGY REPORT

Investigation	Result	Normal values
2023-05-10 17:06:03 OPD		

BIOCHEMISTRY

RANDOM BLOOD SUGAR GOD POD	104.00 Mg/DL	UP TO - 110
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2023-05-10 17:06:13 | OPD

URINE ANALYSIS

PHYSICAL EXAMINATION

- SPECIFIC GRAVITY	1.020	1.005 - 1.030
- QUANTITY	25 ml	
- COLOUR	PALE YELLOW	
- CLARITY	CLEAR	CLEAR
- REACTION	ACIDIC	ACIDIC

CHEMICAL EXAMINATION

- ALBUMIN	ABSENT	ABSENT
- SUGAR	ABSENT	ABSENT
- KETONE BODIES	ABSENT	ABSENT
- BILE PIGMENT	ABSENT	ABSENT
- BILE SALT	ABSENT	ABSENT
- UROBILINOGEN	1.5 mg/dL	<1.8

MICROSCOPIC EXAMINATION

- PUS CELLS	1-2 / hpf	0-3
- EPITHELIAL CELLS	1-2 / hpf	0-3
- RBCs	0-0 / hpf	0-0
- BACTERIA	ABSENT	ABSENT
- CAST	ABSENT	ABSENT
- CRYSTAL	ABSENT	ABSENT

REMARK:

DEPOSIT-ABSENT

NITRITE

NOT DETECTED

PH

5.1

NOT DETECTED

4.7 - 7.5

SHRIRAM CARE HOSPITAL
Ameri Road, Nehru Nagar
Bilaspur (C.G.)

Dr. P.R. Poptani
M.D. (Pathology)
FRSH (London)

Please Note : Pathological Test technical limitations. Ashirwad Hospital assist Clinicals. No legal liability is accepted for any error. Required in case of any disparity.

केन्द्रीय शासन एवं छत्तीसगढ़ राज्य शासन से मान्यता प्राप्त अस्पताल

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