

Reg. A.D.

CCW-II / Env / L-29 / 2006
28.11.2022

To,
The Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Jaipur, A - 209 & 218,
Aranya Bhawan, Mahatma Gandhi Road,
Jhalana Institutional Area, **Jaipur (Raj.) – 304002**

Sub : Environment Clearance compliance report of New Chittor Cement Works (also known as Chanderia Cement Works, Unit-II) Dist.- Chittorgarh, Rajasthan.

Ref. : i). EC No. J -11011 / 33 / 95 – IA – II (I) dated 08.05.2008.
ii). EC No. J -11011 / 506 / 2010 – IA – II (I) dated 11.09.2012.

Sir,

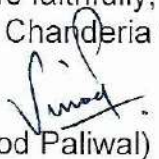
Please find enclosed the Environment Clearance compliance report of New Chittor Cement Works (also known as Chanderia Cement Works, Unit-II) for the period – April, 2022 to September, 2022.

Soft copy of the same is also being sent on your email id: iro.jaipur-mefcc@gov.in.

For kind information please.

Thanking you,

Yours faithfully,
For: Chanderia Cement Works, Unit-II


(Vinod Paliwal)
GM (Sustainable Development)

Encloses: As above

Cc to :

The Central Pollution Control Board,
Zonal office (Central),
E-5, Link Road Number 3,
Ekant Park, Arera Colony,
Bhopal- 462016 (M.P.)

The Member Secretary,
Rajasthan State Pollution Control Board,
4, Institutional Area,
Jhalana Doongari,
JAIPUR - 302 004 (Raj.)

Nov/Dec 2022

ENVIRONMENT CLEARANCE COMPLIANCE STATUS REPORT PERIOD: APRIL 2022 TO SEPTEMBER 2022



Birla Corporation Limited
Unit-New Chittor Cement Works,
(Also known as Chanderia Cement Works Unit-II)
Chanderia, Distt: Chittorgarh (Raj.) – 312021

Name & Location of the plant	:	M/s Birla Corporation Limited, Unit: New Chittor Cement Works, Chanderia, Distt: Chittorgarh (Raj.) - 312021					
Details of the existing and proposed products with production capacity:	:						
		S. N.	Unit	Existing EC Granted Capacity for	Existing Operation Capacity	Proposed Additional Capacity	Total capacity after Expansion
		1.	Clinker Production (MTPA)	-	Under construction	-	2.0
		2.	Cement Production (MTPA)	1.2	Under construction	1.5	2.7
		3.	Thermal Power Generation (MW)	-	-	80	80
		4.	Waste heat recovery Power Generation (MW)	-	-	6	6
Environmental Clearance Letter No.	:	EC No. J -11011 / 33 / 95 – IA – II (I) dated 08.05.2008 EC No. J -11011 / 506 / 2010 – IA – II (I) dated 11.09.2012.					
Period of the Compliance Report	:	From 01 st April 2022 To 30 th September 2022					



ENVIRONMENTAL CLEARANCE - COMPLIANCE REPORT


1.2 MTPA CEMENT PLANT "New Chittor Cement Works"




(also known as Chanderia Cement Works Unit- II)


at Chanderia, Distt. Chittorgarh, Rajasthan

MoEF Letter No. J-11011 / 33 / 95 – IA II (I) Dated 8th May 2008

A.	Specific Conditions	Compliance Status
(i)	The company shall comply with all the commitments made during public hearing held on 17 th February, 2005.	All the commitments made during Public Hearing are complied.
(ii)	The Company shall comply with all the conditions mentioned in No Objection Certificate issued by Rajasthan Pollution Control Board vide their letter no. F.12(1676) RPCB/NOC/ Grade.III/455 dated 31 st March, 2000 followed extension letter vide no.F.12(CH-47) RPCB/Grade.III /2037	Complied with all.
(iii)	The company shall obtain the fresh permission for the water supply and raw material supply to the plant within 3 months from competent authorities and submit the documents to the ministry and its regional Office at Lucknow.	Rainwater collected in captive mine is being used. Lime stone- from existing captive mine. We have sufficient rainwater in our Mine pits for the above purpose and hence – "N.A."
(iv)	Total ground water requirement shall not exceed 1050 KLD and prior 'permission' for the drawl of ground water shall be obtained from the SGWB/CGWA and copy of the permission shall be submitted to Ministry's Regional Office at Lucknow within 3 months from the date of receipt of this letter. The project authorities shall install sewage treatment plant to treat domestic sewage and treated sewage shall be utilized for the green development, No waste water shall be discharged outside the premises and 'zero' discharged shall be ensured.	We have captive source of water in our premises by collecting rainwater in our mine pit. Plant domestic waste water being treated in STP and treated water used in horticulture/dust suppression.
	 <p data-bbox="507 1899 639 1928">Mines Pit</p>	 <p data-bbox="1059 1899 1406 1928">Sewage Treatment Plant</p>

(v)	In the proposed cement plant, the company shall install bag filters for kiln, raw mill, cement mill and coal mill sections instead of ESP's as earlier planned by project authorities. The company shall ensure that the particulate emissions from the stacks of the proposed plant shall not exceed 50 mg / Nm ³ .	To ensure the stack emission level within norms, we have installed Bag filters for Kiln, Raw Mill, Cement Mill, Coal Mill & ESP for Cooler and periodical measurement are being taken and the results are well within the limits. Data enclosed as Annexure-1 .																																			
(vi)	The company shall install continuous monitoring facility for particulate emission in all the stacks and interlock arrangement with the air pollution control equipment shall be provided. In case of increase in emission level the manufacturing process shall automatically stop so that no excess pollution load shall go into the environment.	<p>All the major stacks are attached with CEMS to monitor the emission level and real time data are being uploaded at RSPCB / CPCB servers.</p> <div></div> <p style="text-align: center;">CEMS installed at Stacks</p>																																			
(vii)	The company shall undertake regular ambient air quality monitoring at Chittorgarh fort and submit data to the Regional office of the Ministry of Environment and Forests and SPCB. The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Rajasthan State Pollution Control Board (RSPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	<p>Ambient Air Quality at Fort in µg/m³.</p> <table><tr><th>Month</th><th>PM10</th><th>PM2.5</th><th>SO₂</th><th>NO_x</th></tr><tr><td>Apr, 22</td><td>93</td><td>53</td><td>7</td><td>38</td></tr><tr><td>May, 22</td><td>91</td><td>56</td><td>8</td><td>31</td></tr><tr><td>Jun, 22</td><td>81</td><td>50</td><td>7</td><td>25</td></tr><tr><td>Jul, 22</td><td>50</td><td>23</td><td>2</td><td>16</td></tr><tr><td>Aug, 22</td><td>55</td><td>31</td><td>7</td><td>22</td></tr><tr><td>Sep, 22</td><td>63</td><td>38</td><td>8</td><td>25</td></tr></table>	Month	PM10	PM2.5	SO ₂	NO _x	Apr, 22	93	53	7	38	May, 22	91	56	8	31	Jun, 22	81	50	7	25	Jul, 22	50	23	2	16	Aug, 22	55	31	7	22	Sep, 22	63	38	8	25
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(viii)	The industry shall take effective measures to control the fugitive emissions in the cement bagging section of the existing unit. The workers shall not be allowed to work without wearing protective devices like face masks and hand gloves in the cement bagging section.	Bag filters installed at all packing machines. Facemask, hand gloves, safety shoes and helmets are provided to workmen.																																			
(ix)	Bag house/filters shall be provided to control the fugitive emissions during loading and unloading. The project authorities shall store all the raw materials except limestone in the covered sheds to control fugitive emissions.	Bag filters wherever required has been provided. All raw material are stored in covered sheds.																																			

(x)	The company shall make all the internal roads pucca before commissioning of the production and with arrangement of water sprinkling along the roads in the premises.	The internal roads are cemented and engaged six nos water sprinkling tankers for dust suppression and 6 nos. vacuum cleaners for cleaning of roads.
	 <p style="text-align: center;">Road Sweeper</p>	 <p style="text-align: center;">Water Tanker</p>
(xi)	Proper housekeeping and adequate occupational health programmes must be taken up. Occupational Health Surveillance programme should be done on a regular basis and records maintained. The programme must include lung function and sputum analysis tests once in six months.	Housekeeping is maintained as per the prescribed schedule. Periodical medical examination is being carried out for all the employees on regular basis, as per Factory Act and records being maintained. Sample of medical report is enclosed as Annexure – 2 .
(xii)	The working space for environmental lab shall be enhanced as the existing one is found to be very congested and inadequate. The laboratory shall also be strengthened by posting qualified personnel.	<p>A separate Environment Lab is developed with sufficient, qualified & experienced manpower for regular monitoring.</p> <div data-bbox="932 1279 1509 1637">  <ul style="list-style-type: none"> Ambient Air Quality Monitoring Noise Level Monitoring Water Quality Monitoring Stack Monitoring Fugitive Emission Monitoring Work Place Monitoring </div> <p style="text-align: center;">Environment Lab</p>
(xiii)	Comprehensive Environmental Impact Assessment / Environmental Management Plan study must be carried out for existing and proposed cement unit and the captive mine due to proximity of the Chittorgarh fort before and after commissioning of the proposed cement plant.	Environmental Impact Assessment carried out before commissioning of the plant and another assessment carried out after commissioning and continuous operation of the plant.

(xiv)	A regular survey shall be carried out within the radius of 10 km of the cement plant to assess the impacts of cement plants and mines on the health of population and vegetation.	Being complied.
(xv)	The Company shall follow CPCB guidelines for development of green belt and control of secondary fugitive emissions. The company shall develop at least 30 m. wide uninterrupted green belt towards the chittorgarh Fort to mitigate the effect of residual and fugitive emissions.	More than 38% of the area is covered with greenbelt. Greenbelt developed between the Plant and the Fort.
(xvi)	The project authorities shall make effort to use high calorific value hazardous waste in the kiln and accordingly necessary provision in the kiln shall be made.	<p>We are using high calorific value hazardous waste in the kiln as per the authorization. Presently we are co-processing TDI Tar, Waste mix solid & liquid, Textile industry sludge, Tyre chips, FMCG & plastic waste etc.</p>  <p>Storage & Feeding Area</p>
(xvii)	The project authority shall transport the raw material and the product in covered means. The vehicles used for transportation shall be maintained properly and comply with the prevailing standards for emission.	All the raw materials are transported in closed bulkers and trucks. Vehicles are maintained in good conditions.
(xviii)	Out of total 207.25 ha, 79 ha shall be developed as green belt as per the guidelines of Central Pollution Control Board to mitigate the effect of fugitive emission	A dense greenbelt has been developed in the vicinity of plant and colony. The total area covered under greenbelt is 79 Hact, out of 207.25 Hact with local and different species, around 1.12 Lac trees are flourishing mainly and covering area around 38%.



(xix)



The project authorities shall provide a health center with all emergency medicines and ambulance along with full time doctor. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.

We have 3 Nos. Occupational health centers with emergency medicines and ambulance - looked after by a full time MBBS Doctor. Occupational surveillance of workers are carried out on regular basis and records are being maintained. Sample of medical report is enclosed as Annexure - 2. Further the unit has carried out Qualitative & Quantitative Health impact assessment from Arvind Industrial Hygiene Consultancy, Raipur for its workmen.



Advance Life support Ambulance

(xx)	The project authorities shall obtain all other necessary statutory clearances from the concerned departments including 'No Objection Certificate' from the Rajasthan Pollution Control Board (RPCB) prior to commencement of construction.	NOC obtained from SPCB submitted to MoEF prior to E.C. as per 1994 Notification.
(xxi)	All the recommendations mentioned in the Corporate Responsibility for Environment Protection (CREP) guidelines for the cement plant shall be followed and complied.	The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants is implemented.
B.	General Conditions	Compliance Status
(i)	The project authorities shall strictly adhere to the stipulations of the SPCB / State Government or any other statutory body.	We strictly follow Rules & Regulations stipulated by SPCB.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted for compliance.
(iii)	The gaseous emissions (SO ₂ , NO _x) and particulate matter levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the units, the unit shall be immediately put out of pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	CEMS were installed in 2015 for regular monitoring of PM, SO ₂ & NO _x . In case of failure of PCS, SOP's are there and accordingly operation is to stop & to restart.
(iv)	The company shall undertake following Waste Minimization measures.	
	➤ Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Flyash - waste material of Power plant is used in Cement manufacturing.
	➤ Use of "Closed pneumatic" system for transport of fine material	Closed pneumatic system is provided.
	➤ All venting systems shall be connected with dust arresting equipments.	Dust collectors are provided at all venting points.
	➤ Dust collect in pollution control equipments shall be reused.	Dust collected is recirculated in the process.

(v)	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State pollution Control Boards / Central Pollution Control Board.	Fugitive emission Monitoring is being carried out regularly in Raw material storage area and fuel storage area.
(vi)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Periodical measurements are being taken and the results are well within the limits. Data enclosed as Annexure - 3 .
(vii)	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended and Hazardous Waste (Management and Handling) Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	Authorization under Hazardous waste (Management, Handling and Transboundary Movement) Rules 2016 is valid up to 31.05.2025.
(viii)	Rainwater harvesting shall be done within the premises. Ground water recharge structures shall be installed around the plant area in consultation with local authorities to contain the ground water table.	Developed artificial recharge measures/systems inside plant, mines & colony for harvesting of monsoon rain water.
	 <p style="text-align: center;">Rooftop rain water recharge well</p>	 <p style="text-align: center;">Rooftop rain water harvesting board</p>
(ix)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	Number of awareness, training, CSR and eco development projects are undertaken and we are organizing the same regularly in the core zone and buffer zone for stakeholders. By our different initiatives 26,088 nos. of community members have been benefited so far in FY 2021-22.



Medical Camps



Fruit Tree based plantation



Breed Development Programme



Solid Waste Management



Health Entrepreneur

(x)

The project authorities shall earmark adequate fund to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.

Noted for compliance.
Fund availability is not the constraints for Environment & Safety proposals.

(xi)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	<p>A full fledge Environment cell with an dedicated lab with qualified manpower headed by GM, Sustainable Development for Environment management and monitoring.</p> <table border="1" data-bbox="898 286 1505 667"> <tr> <td colspan="3">Manpower engaged:</td></tr> <tr> <td>General Manager (Sustainable Development)</td><td>:</td><td>01</td></tr> <tr> <td>Dy. General Manager</td><td>:</td><td>01</td></tr> <tr> <td>Sr. Manager</td><td>:</td><td>01</td></tr> <tr> <td>Dy. Manager</td><td>:</td><td>02</td></tr> <tr> <td>Astt. Manager</td><td>:</td><td>01</td></tr> <tr> <td>Assistant</td><td>:</td><td>04</td></tr> <tr> <td>Driver</td><td>:</td><td>07</td></tr> </table>	Manpower engaged:			General Manager (Sustainable Development)	:	01	Dy. General Manager	:	01	Sr. Manager	:	01	Dy. Manager	:	02	Astt. Manager	:	01	Assistant	:	04	Driver	:	07
Manpower engaged:																										
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Assistant	:	04																								
Driver	:	07																								
(xii)	The implementation of the project vis-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry / SPCB / CPCB. A six monthly compliances status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Complied with Six monthly compliance report sent to all concerned authorities vide letter no. CCW-II/Env/L-29/481 dtd 18.05.2022.																								
(xiii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied.																								
(xiv)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied.																								



ENVIRONMENTAL CLEARANCE - COMPLIANCE REPORT




2.7 MTPA CEMENT PLANT "New Chittor Cement Works"


(also known as Chanderia Cement Works Unit- II)

at Chanderia, Distt. Chittorgarh, Rajasthan

MoEF Letter No. J-11011 / 506 / 2010 – IA II (I) Dated 11th September, 2012


A.	Specific Conditions	Compliance Status
(i)	<p>Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of SPM shall be controlled within 50 mg/Nm³ by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw meal/kiln and bag filters to coal mill and cement mill. Low NOX burners should be provided to control NOX emissions.</p>	<p>Complied with. Continuous emission monitoring system provided at all the stacks and APCE are upgraded to meet norms of PM 30 mg/Nm³. Low NOx burner provided to control NOx emission. For expansion project all APCEs shall be upgraded. Monitoring data for plant in operation are attached as Annexure – 1.</p> <div data-bbox="927 701 1528 1133"></div> <p data-bbox="1102 1133 1353 1171">Stack Monitoring</p>
(ii)	<p>The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.</p>	<p>Ambient Air Quality monitoring data enclosed as Annexure - 4.</p> <div data-bbox="927 1357 1528 1850"></div> <p data-bbox="1102 1850 1353 1888">AAQ Monitoring</p>



(iii)	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard should be followed.	To control fugitive emission, all sources of emission are equipped with bag filter, water spray system. All materials are stored in covered shade and silos.
	 <p style="text-align: center;">Fogging System</p>	 <p style="text-align: center;">Micro mist water Spray System</p>
(iv)	Measures shall be undertaken to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be overloaded. Vehicular emissions should be regularly monitored.	<p>All the raw materials including flyash are being transported through pneumatically / covered vehicle or closed containers. Fir control of vehicular emission, unit periodically conduct maintenance and checking of PUC of all vehicles. PUC certificates enclosed as Annexure - 5.</p>  <p style="text-align: center;">Flyash Tanker / Bulker</p>
(v)	The company shall have separate truck parking area. The details regarding same including photographs shall be submitted to the Ministry and its Regional Office at Lucknow within 3 months from the date of issue of the letter.	Company have separate truck parking which is fully paved having area approx. 42100 Sq Meter. The details of the same is enclosed as Annexure - 6 .

(vi)	Total water requirement shall not exceed 2,530 m ³ /day. Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.	<p>All the treated waste water is being reused for dust suppression and greenbelt development.</p>  <p>Greenbelt Development</p>
(vii)	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Rainwater collected in captive mine is being used. We have sufficient water in our Mine pits for plant operation. In addition to above, we have arrangement for rooftop rainwater harvesting and recharging of wells.
(viii)	Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Lucknow, SPCB and CPCB.	To ensure the quality of treated water periodic analysis are being done. Water quality data is enclosed as Annexure – 7 .
(ix)	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / reprocessors only.	The dust collected in APCE are re-circulated in the process and used oil & batteries are being sold to authorized recyclers / re-processors.
(x)	All the fly ash shall be utilized as per Fly ash Notification, 1999 subsequently amended in 2003. Efforts should be made to use fly ash maximum in making Pozollona Portland Cement (PPC).	Manufacturing of flyash based cement is being increased regularly. During FY 2021-22 we have utilized 9,43,026 MT flyash for cement manufacturing.
(xi)	Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	We are using maximum flyash, solid waste & low grade limestone in cement manufacturing as per BIS norms.

(xii)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.	We have use high calorific value hazardous waste in the kiln as per authorization. Presently we are co-processing TDI Tar, Waste mix solid & liquid, Textile industry sludge, Tyre chips, FMCG & plastic waste etc.									
(xiii)	As proposed, green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	<p>A dense greenbelt has been developed in the vicinity of plant and colony. The total area covered under greenbelt is 79 Hact, out of 207.25 Hact with local and different species, around 1.12 Lac trees are flourishing mainly and covering area around 38%.</p> <table border="1"> <tr> <td>Plantation Target (22-23)</td><td>-</td><td>5000 Nos.</td></tr> <tr> <td>Target Achieved</td><td>-</td><td>2000 Nos.</td></tr> <tr> <td>Balance under progress</td><td>-</td><td>3000 Nos.</td></tr> </table>	Plantation Target (22-23)	-	5000 Nos.	Target Achieved	-	2000 Nos.	Balance under progress	-	3000 Nos.
Plantation Target (22-23)	-	5000 Nos.									
Target Achieved	-	2000 Nos.									
Balance under progress	-	3000 Nos.									
(xiv)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.	The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants is implemented.									
(xv)	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 27th June, 2011 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Lucknow.	<p>In the Public hearing, most of the points were raised by the stakeholders were related to infrastructure development, facilities on health & hygiene, educational support, drinking water facilities, supply & development of water hut / piau and employment to local resident.</p> <p>All the commitments have been completed and fund availability is not the constraints for Environment & Safety proposals. The detailed report of FY 2021-22 is attached as Annexure - 8.</p>									
(xvi)	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program shall be ensured accordingly in a time bound manner.	Total expenditure from 2013-14 to 2021-22 is Rs 5.69 Cr. Number of awareness, training, CSR and eco development projects are undertaken and we are organizing the same regularly in nearby area for stakeholders.									

(xvii)	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied with
(xviii)	The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	Company have EMS policy covering standard operating process, Administrative order of the Company to deal with environmental issues and system of reporting of non-compliance / violations of environmental norms to the Board of Directors.
B.	General Conditions	Compliance Status
(i)	The project authority shall adhere to the stipulations made by RSPCB and State Government.	We strictly follow Rules & Regulations stipulated by RSPCB.
(ii)	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Noted for compliance
(iii)	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The RSPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Gaseous emission from process is being maintained as per norms and in case of APCE failed, process is stopped, after rectification process resumes and the same practice shall be followed.

(iv)	<p>The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>All the sources of noise are enclosed with acoustic hoods provide with silencers, covered shed / curtain and a dense greenery is developed in and around the plant.</p> <p>Periodical measurements are being taken and the results are well within the limits. Data enclosed as Annexure - 3.</p> <div data-bbox="963 443 1513 853">  </div> <p style="text-align: center;">Acoustic Enclosure</p>
(v)	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p>	<p>As per Factory Act, periodical medical examination is being carried out for all the employees on regular basis. The test of each employee is being done for Blood pressure, HR CBC, Blood Group, RBC, Urea / creatadin, LFT, Lipid profile, Urine sugar, Urine albumin, Chest X-ray, ECG, PFT Audiometry, Vision test, Height & Weight and maintained the records.</p> <p>In addition to above to meet any kind of medical exigency, we have an occupational trained doctor and adequate numbers of paramedical staff on round the clock. Sample of Medical report is enclosed as Annexure- 2.</p> <div data-bbox="948 1532 1528 1921">  </div> <p style="text-align: center;">Health Checkup Camp</p>

(vi)	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	Environment management measures shall be implemented.
(vii)	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Developed artificial recharge measures / systems inside plant, mines & colony for harvesting of rain water.
	 <p>Rooftop rain water recharge well</p>	 <p>Rooftop rain water harvesting board</p>
(viii)	Proper housekeeping and adequate occupational health programmes shall be taken up as per the Factory Act.	All the roads, inside the plant are cemented and 6 nos. vacuum cleaners are provided for proper housekeeping and regular health checkup is being done as per Factory act.
(ix)	The company shall undertake eco-development measures including community welfare measures in the project area.	<p>Various awareness session trainings, CSR and eco development projects/activities are undertaken and also are organizing the same regularly in nearby area for stakeholders.</p> <p>Company believes that strong communities are a key pillar for a successful & responsible business. Company always strive towards socioeconomic upliftment of the community aligned with CSR vision contained in our CSR policy.</p> <p>The CSR program have been developed keeping the villagers in the centre stage with partition being the key to our initiatives. The implementation of the program is carried out both through the partnership model & direct intervention by our CSR team of professionals.</p>

The following thrust areas in which community welfare measured have been undertaken are as under:

- Health Care
- Rural Infrastructure
- Education
- Agriculture & Livelihood development initiatives
- Skill development initiatives
- Plantation activities in communities
- Rainwater Harvesting measures
- Women Empowerment



Agriculture Interventions by Agri. Machineries



Animal Husbandry Interventions



Enterprises Development for Poor Families



Livelihood Project



Women Skill Development Project

(x)	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	<p>A full-fledged Environment cell with an dedicated lab with qualified manpower headed by GM, Sustainable Development.</p> <table border="1"> <tr> <td colspan="3">Manpower engaged:</td></tr> <tr> <td>General Manager (Sustainable Development)</td><td>:</td><td>01</td></tr> <tr> <td>Dy. General Manager</td><td>:</td><td>01</td></tr> <tr> <td>Sr. Manager</td><td>:</td><td>01</td></tr> <tr> <td>Dy. Manager</td><td>:</td><td>02</td></tr> <tr> <td>Astt. Manager</td><td>:</td><td>01</td></tr> <tr> <td>Assistant</td><td>:</td><td>04</td></tr> <tr> <td>Driver</td><td>:</td><td>07</td></tr> </table>	Manpower engaged:			General Manager (Sustainable Development)	:	01	Dy. General Manager	:	01	Sr. Manager	:	01	Dy. Manager	:	02	Astt. Manager	:	01	Assistant	:	04	Driver	:	07
Manpower engaged:																										
General Manager (Sustainable Development)	:	01																								
Dy. General Manager	:	01																								
Sr. Manager	:	01																								
Dy. Manager	:	02																								
Astt. Manager	:	01																								
Assistant	:	04																								
Driver	:	07																								
(xi)	The requisite funds shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Fund availability is not the constraints for Environment & Safety proposals.																								
(xii)	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted																								

(xiii)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied with
(xiv)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10 (ambient levels) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Six monthly compliance report sent to all concerned authorities vide letter no. CCW-II/Env/L-29/481 dtd 18.05.2022.
(xv)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow/CPCB/RSPCB shall monitor the stipulated conditions.	Complied with Six monthly compliance report sent to all concerned vide letter no. CCW-II/Env/L-29/481 dated 18.05.2022.
(xvi)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Complied with Environmental Statement for financial year ending 31 st March 2022 sent to all concerned vide letter no.- CCW-II/Env/L-8/1952 dated 16.09.2022.

(xvii)	<p>The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the RSPCB and may also be seen at the Website of the Ministry of Environment and Forests at http://envfor.nic.in. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Lucknow.</p>	Complied with
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ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/011
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS: Sample Collected from Kiln & Raw Mill (Bag House), Chandera Cement Works
Unit-II (New Chittor Cement Works)

Sample Registration Date : 29-09-2022 Sampling Date : 26-09-2022
Analysis Starting Date : 29-09-2022 Analysis Completion Date : 09-10-2022
Test Required : Velocity, Flow rate, O₂, CO₂, CO, NO_x, SO₂ and PM.
Sample collected by Vimta Labs Ltd.

TEST REPORT

Sr.No.	Parameters	UoM	Method of Testing	Results	Emission Limits
1	Total Height of Stack	M	--	110	--
2	Height of the Sampling Port	M	--	60	--
3	Dia of the Stack	M	--	5.3	--
4	Velocity of Flue Gas, Ve.	m/sec	USEPA Method 3	10.68	--
5	Volumetric Flow Rate	Nm ³ /Hr		610486	--
6	Oxygen as O ₂	%	USEPA CTM 30&34 by Combustion Analyser	9.8	--
7	Carbon Dioxide as CO ₂	%		20.9	--
8	Carbon Monoxide as CO at 10% O ₂	mg/Nm ³		48.3	-
9	Oxides as Nitrogen as NO _x at 10% O ₂	mg/Nm ³	USEPA Method -07	363.7	800.00
10	Sulphur dioxide as SO ₂ at 10% O ₂	mg/Nm ³	USEPA Method -08	1.5	100.0
11	Particulate Matter as PM	mg/Nm ³	USEPA Method 5	11.2	30.0
12	Gaseous-CEMS SO ₂	mg/Nm ³	USEPA Method -08	0	--
13	Gaseous-CEMS NO _x	mg/Nm ³	USEPA Method -07	383	--
14	PM-CEMS	mg/Nm ³	USEPA Method 5	9.9	--

ELV-Emission Limit Value

All values expressed in Dry basis

Instruments used for Gaseous Composition: Optima 7 Multi Gas Analyzer



Dr. SubbaReddy Mallampati
Dy. Manager-Environment

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/012
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS: Sample Collected from Cooler (ESP), Chandera Cement Works Unit-II (New Chittor Cement Works)

Sample Registration Date : 29-09-2022 Sampling Date : 27-09-2022
Analysis Starting Date : 29-09-2022 Analysis Completion Date : 09-10-2022
Test Required : Velocity, Flow rate, O₂, CO₂, and PM.

Sample collected by Vimta Labs Ltd.


TEST REPORT

Sr.No.	Parameters	UoM	Method of Testing	Results	Emission Limits
1	Total Height of Stack	M	--	55	--
2	Height of the Sampling Port	M	--	40	--
3	Dia of the Stack	M	--	3.75	--
4	Velocity of Flue Gas, Ve.	m/sec	USEPA Method 3	10.18	--
5	Volumetric Flow Rate	Nm ³ /Hr		80660	--
6	Oxygen as O ₂	%	USEPA CTM 30&34 by Combustion Analyser	20.8	--
7	Carbon Dioxide as CO ₂	%		0.2	--
11	Particulate Matter as PM	mg/Nm ³	USEPA Method 5	6.75	30.0
12	PM-CEMS	mg/Nm ³	USEPA Method 5	5.14	--

ELV-Emission Limit Value

All values expressed in Dry basis

Instruments used for Gaseous Composition: Optima 7 Multi Gas Analyzer



Dr. SubbaReddy Mallampati
Dy. Manager-Environment

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chanderia, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/015
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS: Sample Collected from Coal Mill (BDC), Chanderia Cement Works Unit-II(New Chittor Cement Works)

: -

Sample Registration Date : 29-09-2022	Sampling Date : 26-09-2022
Analysis Starting Date : 29-09-2022	Analysis Completion Date : 09-10-2022
Test Required : Velocity, Flow rate, O ₂ , CO ₂ , PM.	
Sample collected by Vimta Labs Ltd.	


TEST REPORT

Sr.No.	Parameters	UoM	Method of Testing	Results	Emission Limits
1	Total Height of Stack	M	--	55	--
2	Height of the Sampling Port	M	--	35	--
3	Dia of the Stack	M	--	2.0	--
4	Velocity of Flue Gas, Ve.	m/sec	USEPA Method 3	9.05	--
5	Volumetric Flow Rate	Nm ³ /Hr		84627	--
6	Oxygen as O ₂	%	USEPA CTM 30&34 by Combustion Analyser	20.8	--
7	Carbon Dioxide as CO ₂	%		0.2	--
11	Particulate Matter as PM	mg/Nm ³	USEPA Method 5	3.05	30.0
12	PM-CEMS	mg/Nm ³	USEPA Method 5	2.26	--

ELV-Emission Limit Value

All values expressed in Dry basis

Instruments used for Gaseous Composition: Optima 7 Multi Gas Analyzer



Dr. SubbaReddy Mallampati
Dy. Manager-Environment

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chanderia, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/013
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

**SAMPLE PARTICULARS: Sample Collected from Cement Mill (BDC), Chanderia Cement Works Unit-II
(New Chittor Cement Works)**

Sample Registration Date : 29-09-2022 Sampling Date : 27-09-2022
Analysis Starting Date : 29-09-2022 Analysis Completion Date : 08-10-2022
Test Required : Velocity, Flow rate, O₂, CO₂, PM.
Sample collected by Vimta Labs Ltd.

TEST REPORT

Sr.No.	Parameters	UoM	Method of Testing	Results	Emission Limits
1	Total Height of Stack	M	--	40.0	--
2	Height of the Sampling Port	M	--	25.0	--
3	Dia of the Stack	M	--	1.0	--
4	Velocity of Flue Gas, Ve.	m/sec	USEPA Method 3	8.17	--
5	Volumetric Flow Rate	Nm ³ /Hr		7080.1	--
6	Oxygen as O ₂	%	USEPA CTM 30&34 by Combustion Analyzer	20.8	--
7	Carbon Dioxide as CO ₂	%		0.2	--
11	Particulate Matter as PM	mg/Nm ³	USEPA Method 5	4.99	30.0
12	PM-CEMS	mg/Nm ³	USEPA Method 5	3.40	--

ELV-Emission Limit Value

All values expressed in Dry basis

Instruments used for Gaseous Composition: Optima 7 Multi Gas Analyzer



Dr. SubbaReddy Mallampati
Dy. Manager-Environment

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/014
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS: Sample Collected from Cement Mill, Roller Press (BDC), Chandera Cement Works Unit-II(New Chittor Cement Works)

Sample Registration Date : 29-09-2022	Sampling Date : 27-09-2022
Analysis Starting Date : 29-09-2022	Analysis Completion Date : 08-10-2022
Test Required : Velocity, Flow rate, O ₂ , CO ₂ , PM.	
Sample collected by Vimta Labs Ltd.	


TEST REPORT

Sr.No.	Parameters	UoM	Method of Testing	Results	Emission Limits
1	Total Height of Stack	M	--	40	--
2	Height of the Sampling Port	M	--	25	--
3	Dia of the Stack	M	--	2.0	--
4	Velocity of Flue Gas, Ve.	m/sec	USEPA Method 3	13.03	--
5	Volumetric Flow Rate	Nm ³ /Hr		115840	--
6	Oxygen as O ₂	%	USEPA CTM 30&34 by Combustion Analyser	20.8	--
7	Carbon Dioxide as CO ₂	%		0.2	--
11	Particulate Matter as PM	mg/Nm ³	USEPA Method 5	3.48	30.0
12	PM-CEMS	mg/Nm ³	USEPA Method 5	2.78	--

ELV-Emission Limit Value

All values expressed in Dry basis

Instruments used for Gaseous Composition: Optima 7 Multi Gas Analyzer



Dr. SubbaReddy Mallampati
Dy. Manager-Environment



MP BIRLA HOSPITAL & RESEARCH CENTRE
CHITTORGARH (Raj.)



MAR VERMA

PATIENT REGISTRATION SLIP

Sr.No:

4804

Date: 18-6-22

Patient Name

Abirsh Kumar Verma

Emp. Code

25006 (Sharma) 43

Height/Wt/BP

Vision

Spirometry

Blood/Urine Sample

ECG

Audiometry

1. General development Good Fair Poor

2. Height 175 cms

3. Weight 76.7 Kgs

4. Eyes

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

Right eye 6/18

Left eye 6/18

ii) Any organic disease of eyes

iii) Night blindness

iv) Colour blindness

v) Squint

(* to be tested in special cases)

5. Ears

i) Hearing Right ear

Left ear

ii) Any organic disease

6. Respiratory system

Chest measurement

i) After full inspiration cms

ii) After full expiration cms

7. Circulatory system

i) Blood pressure 120/80 mmHg

ii) Pulse 82/min

8. Abdomen

i) Tenderness

ii) Liver

iii) Spleen

iv) Tumour

N/A

9. Nervous system.
History of fits or epilepsy
Paralysis
Mental health
10. Locomotors system
11. Skin
12. Hernia
13. Hydrocele
14. Any other abnormality.
15. Urine
Reaction
Albumin
Sugar
16. Ski gram of chest
17. Any other test considered necessary by the
examining authority.
18. Any opinion of specialist considered
necessary

Physicians Opinion



Place: Chittorgarh

[Signature]
Signature of the examining authority

Medic
MP Birla Hosp
Centre, Chittorgarh

Certificate No.
Name

Certificate No.

Name

Identification Marks :

Result of Lung Function Test (Spirometry) NAO

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)			
Forced Vital Capacity 1 FEV1			
FEV1/FVC			
Peak Expiratory Flow			



Ac...
Signature of the Examination Authority
Medical Officer
MP Birla Hospital & Research
Centre, Chittorgarh (Raj.)

Report of Medical Examination as per the recommendations of National Safety
Conferences

1. Cardiological Assessment

Auscultation	S1	
	S2	
	Additional Sound	
Electrocardiograph (12 leads) Findings :	Normal/Abnormal	
Enclosed ECG		

2. Neurological Assessment

Findings	Normal/Abnormal
Superficial Reflexes	
Deep Reflexes	
Peripheral Circulation	
Vibrational Syndromes	

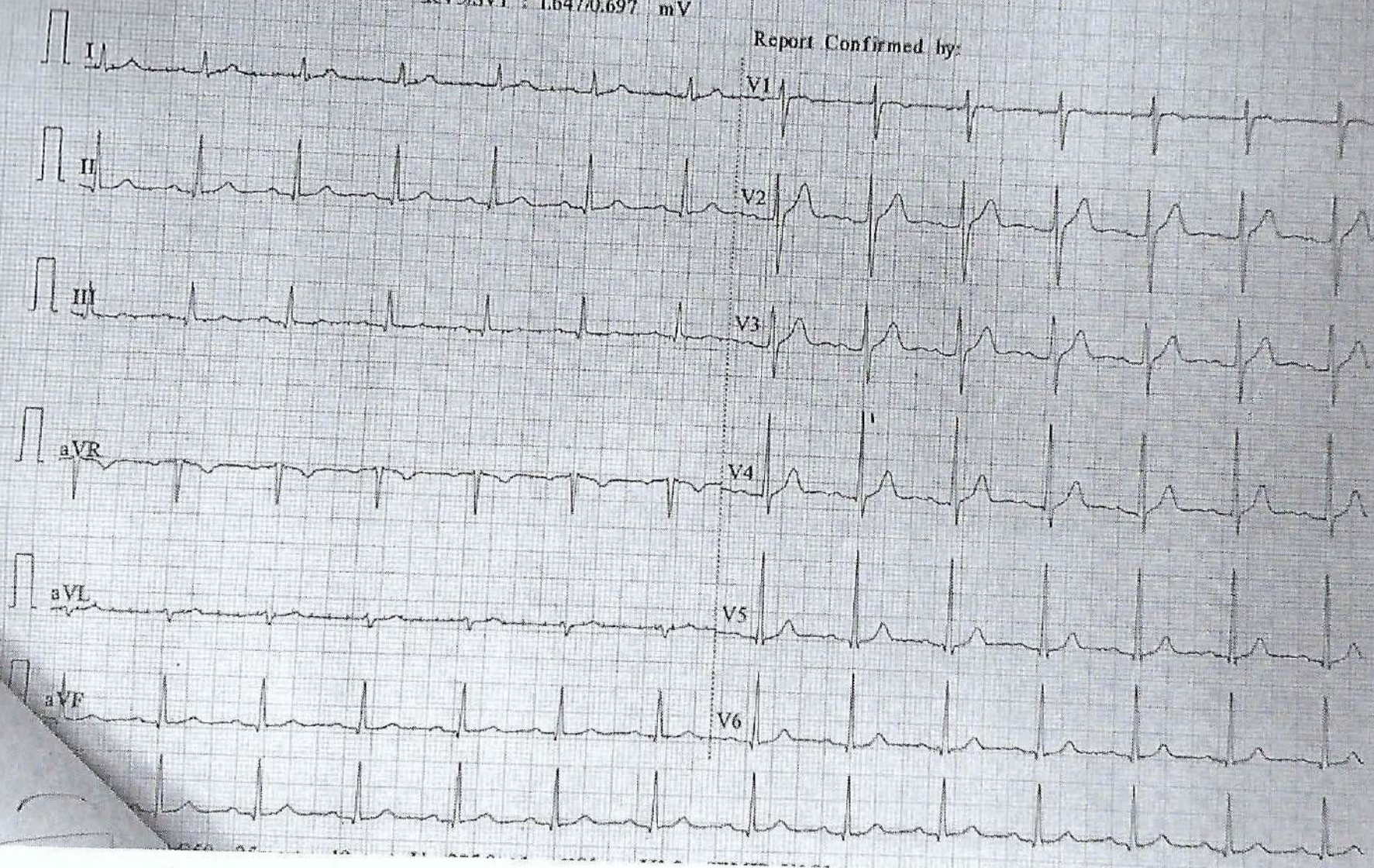
ID: 25

NARESH KUMAR
Male 43Years

18-06-2022 11:02:34 AM
HR : 81 bpm
P : 99 ms
PR : 189 ms
QRS : 90 ms
QT/QTc : 337/392 ms
P/QRS/T : 61/70/46
RV5/SV1 : 1.647/0.697 mV

Diagnosis Information:
Sinus Rhythm
Normal ECG

Report Confirmed by:





AUDIOGRAM

PATIENT NAME

Bobek

human

Uerna

SEX

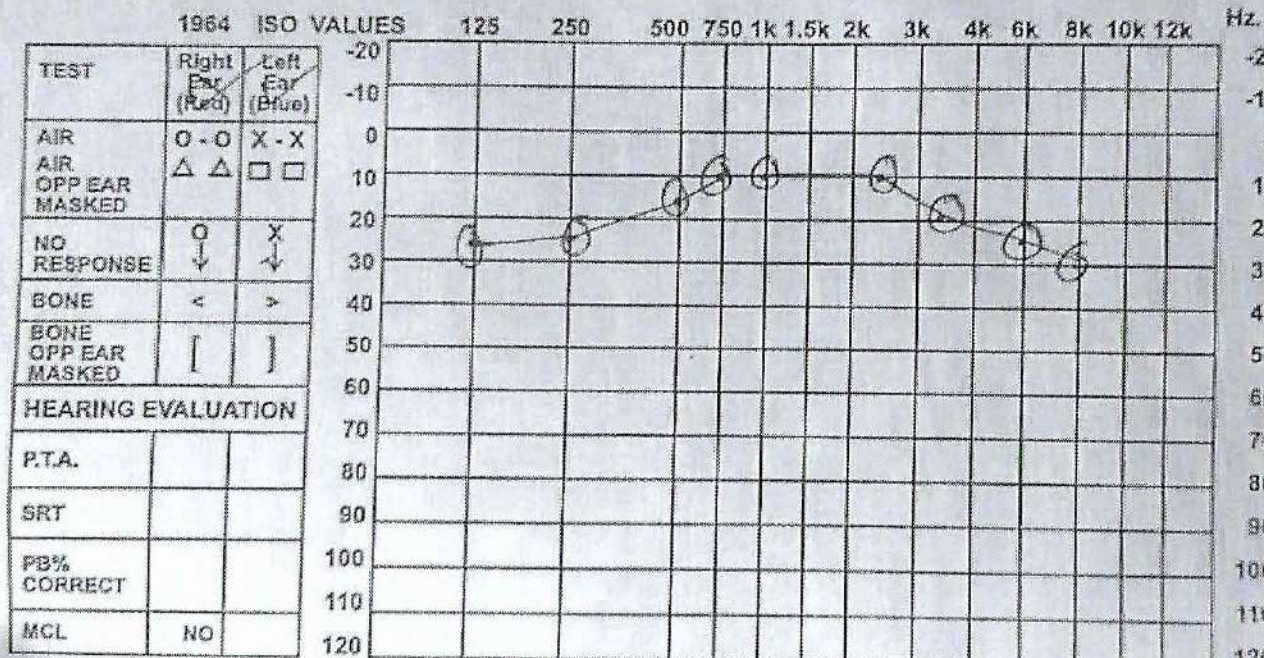
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AGE

43

ADDRESS

DATE 18/06/22



OTOSCOPY		
R		
L		
TFT		
TEST	R	L
RINNE		
WEBER		
BING		
SPECIAL TEST		
SISI		
I.D.I.		

Remarks :

normal

AUDIOLOGIST

HAEMATOLOGY

Patient Name	: MR. NARESH KUMAR VERMA - 4804	IP / OP No	: 1060022
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia . Sandeep	Age	: 44 Y 2 M 26 D
Class	: OPD	Vch No	: 1378922
Current Loc	:	Received Dt	: 18/06/2022 02:30 PM
Sample No	: 22036200	Reported On	: 18/06/2022 05:19 PM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2022

TEST NAME	VALUE	UNITS	REF. RANGE
HAEMOGLOBIN	13.2	g/dl	13.0 - 17.0
RBC Count	4.31	10 ⁶ /ul	4.5 - 5.5
Haematocrit (P.C.V.)	38.7	%	40.0 - 50.0
Mean Corpuscular Vol (MCV)	89.9	fL	83.0 - 102.0
Mean Corpuscular Hb. (MCH)	30.6	pg	27.0 - 32.0
Mean Corp.Hb.Con (MCHC)	34.1	g/dl	31.5 - 34.5
WBC COUNT	7,190	/cmm	4000 - 10000
DIFFERENTIAL COUNT			
Neutrophils	54	%	40 - 80
Lymphocytes	31	%	20 - 40
Eosinophil	3	%	1 - 6
Monocytes	12	%	2 - 10
Basophils	0	%	0 - 2
PLATELET COUNT	1.52	lakh/cu mm	1.5 - 4.2
RDW - CV	15.7	%	
RDW - SD	49		
MPV	11		

—End Of Report—

Note: Pathological test have technical limitation. For any Disparity, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.

Dr. R. S. Shaktawat

DR. R. S. SHAKTAWAT
MBBS, MD (AFMC PUNE)

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Authorised

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Page 2 of 2

MP Birla Hospital & Research Centre



HAEMATOLOGY

Patient Name	: MR. NARESH KUMAR VERMA - 4804	IP / OP No	: 1060022
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandola, Sandeep	Age	: 44 Y 2 M 26 D
Class	: OPD	Vch No	: 1378922
Current Loc	:	Received Dt	: 18/06/2022 02:30 PM
Sample No	: 22036200	Reported On	: 18/06/2022 05:19 PM

TEST NAME	VALUE	UNITS	REF. RANGE
BLOOD GROUP (ABO & RH)			

BLOOD GROUP : "O"
 AGGLUTINATION METHOD
 RH TYPE : Positive

-----End Of Report-----

Note: Pathological test have technical limitation. For any Disparity, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.

Page 1 of 1

Sharma

Dr. R S SHAKTAWAT
 MBBS, MD (AFMC PUNE)

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

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MP Birla Hospital & Research Centre, PUNE-411005 (Pune) Contact No: 02022 300114, 02022 300001
 Email: info@mpbirlahospital.com Website: www.mpbirlahospital.com

BIOCHEMISTRY

Patient Name	: MR. NARESH KUMAR VERMA - 4804	IP / OP No	: 1060022
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia . Sandeep	Age	: 44 Y 2 M 26 D
Class	: OPD	Vch No	: 1378922
Current Loc	:	Received Dt	: 18/06/2022 02:30 PM
Sample No	: 22036201	Reported On	: 18/06/2022 07:08 PM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2022

TEST NAME	VALUE	UNITS	REF. RANGE
BLOOD UREA <i>Kinetic (Urease/GLDH)</i>	12.6	mg/dl	19 - 55
CREATININE <i>(Jaffe)</i>	0.6	mg/dl	0.70 - 1.40

-----End Of Report-----

Note: Pathological test have technical limitation. For any Disparity, Repeated Examinations are required. No legal liability is accepted.
Clinical correlation is also requested.



DR. R S SHETYE
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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Authorized

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Page 1 of 1

BIOCHEMISTRY

Patient Name	: MR. NARESH KUMAR VERMA - 4804	IP / OP No	: 1060022
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia . Sandeep	Age	: 44 Y 2 M 26 D
Class	: OPD	Vch No	: 1378922
Current Loc	:	Received Dt	: 18/06/2022 02:30 PM
Sample No	: 22036201	Reported On	: 18/06/2022 07:08 PM

TEST NAME	VALUE	UNITS	REF. RANGE
LFT			

S.G.O.T (IFCC Without Pyridoxal Phosphate)	164.8	U/L	0 - 50
S.G.P.T (IFCC Without Pyridoxal Phosphate)	328.2	U/L	0 - 50
TOTAL BILIRUBIN (Diazo Special)	0.6	mg/dl	Upto 1.4
DIRECT BILIRUBIN (Diazo Malloy)	0.1	mg/dl	0 - 0.2
INDIRECT BILIRUBIN (Calculated)	0.5		
TOTAL PROTEIN Biuret	6.8	g/dL	6.6 - 8.3
ALBUMIN (BCG)	4.2	gms/dl	3.5 - 5.2
GLOBULIN CALCULATED	2.6	gm/dL	
A/G RATIO (Calculated)	1.6	%	
ALKALINE PHOSPHATASE (IFCC)	79	U/L	30 - 120
GAMMA GT (GGT)	36.0	U/L	0 - 55

-----End Of Report-----

Note: Pathological test have technical limitation. For any Dispartly, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.

Page 1 of 1



Dr. R S SHAKTAWAT
MBBS, MD (AFMC PUNE)

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Authorised

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Birla Hospital Road, Senthil Chittoorgarh - 312025 (Raj) Contact No- 01472-260111, 9530388881
Email- admin@mpbirlahospitalchittoor.com Website- www.mpbirlahospitalchittoor.com

BIOCHEMISTRY

Patient Name	: MR. NARESH KUMAR VERMA - 4804	IP / OP No	: 1060022
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia, Sandeep	Age	: 44 Y 2 M 26 D
Class	: OPD	Vch No	: 1378922
Current Loc	:	Received Dt	: 18/06/2022 02:30 PM
Sample No	: 22036201	Reported On	: 18/06/2022 07:08 PM

TEST NAME	VALUE	UNITS	REF. RANGE
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LIPID PROFILE

CHOLESTEROL	143	mg/dl	0 - 200
CHOD-POD			
TRIGLYCERIDES	131	mg/dl	0 - 150
(GPO-POD)			
HDL CHOLESTEROL	51	mg/dl	23 - 92
LDL CHOLESTEROL	66	mg/dl	0 - 100
CALCULATED			
VLDL	26.2	mg/dl	< 30
CALCULATED			
CHOL/HDL RATIO	2.8	mg/dl	3.40 - 4.40

CHOLESTEROL LDL-CHOLESTEROL CHO/HDL RATIO

Acceptable/Low Risk : < 200 mg/dL : < 130 mg/dL : < 4.5

Borderline High Risk : 200-239 mg/dL : 130-159 mg/dL : 4.5 - 6.0

High Risk : > 240 mg/dL : > 160 mg/dL : > 6.0

APO A1 & APO B:- Recent studies have shown that Apolipoproteins A1 & B might be the best indicators of Coronary Artery Disease risk in an individual. Patients who have normal lipid profile may have abnormal Apo A1 & Apo B values. Ratio of Apo B values. Ratio of Apo B : Apo A1 is >1 in cases of increased CHD risk.

-----End Of Report-----

Note: Pathological test have technical limitation. For any Disparity, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.

Shaktawat

Dr. R S SHAKTAWAT
MBBS, MD (AFMC PUNE)

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Authorised

Printed By : 10190 on 20/06/2022 05:08 PM

Birla Hospital Road, 5th floor, Chittorgarh - 312025 (Raj) Contact No - 01472 260111, 9530384861
Email - admin@mpbirlahospitalchittor.com Website - www.mpbirlahospitalchittor.com

BIOCHEMISTRY

Patient Name	: MR. NARESH KUMAR VERMA - 4804	IP / OP No	: 1060022
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia, Sandeep	Age	: 44 Y 2 M 26 D
Class	: OPD	Vch No	: 1378922
Current Loc	:	Received Dt	: 18/06/2022 02:30 PM
Sample No	: 22036202	Reported On	: 18/06/2022 04:48 PM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2022

TEST NAME	VALUE	UNITS	REF. RANGE
PLASMA GLUCOSE RANDOM	101	mg/dl	70 - 140

-----End Of Report-----

Note: Pathological test have technical limitation. For any Dispartly, Repeated Examinations are required. No legal liability is accepted.
Clinical correlation is also requested.

Signature

Dr. R S SHAKTAWAT
MBBS, MD (AJMC PUNE)

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Printed By : 10150 on 20/06/2022 05:00 PM

Birla Hospital Road, Santib Chhatrapati, 412075 (M) Contact No - 01472 260771, 953058891
E mail - admin@mpbirlahospitalbhopal.com Web site - www.mpbirlahospitalbhopal.com

CLINICAL PATHOLOGY

Patient Name : MR. NARESH KUMAR VERMA - 4804
 Ordered Loc : Hospital OPD
 Ordered By : Dr. Chandolia, Sandeep
 Class : OPD
 Current Loc :
 Sample No : 22036203

IP / OP No : 1060022
 Gender : Male
 Age : 44 Y 2 M 26 D
 Vch No : 1378922
 Received Dt : 18/06/2022 02:30 PM
 Reported On : 18/06/2022 05:38 PM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2022

TEST NAME	VALUE	UNITS	REF. RANGE
-----------	-------	-------	------------

Urine Albumin : Absent

Urine Sugar : Absent

---End Of Report---

Note: Pathological test have technical limitation. For any Disparity, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.


 Dr. R S SHAKTAWAT
 MBBS, MD (APMC PUNE)

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Authorized

Printed By : 10189 on 20/06/2022 09:08 PM

Page 1 of 1



MP Birla Hospital & Research Centre



CLINICAL PATHOLOGY

Patient Name : MR. ASHOK KUMAR GAGRANI-2869
Ordered Loc : Hospital OPD
Ordered By : Dr. Chandolia . Sandeep
Class : OPD
Current Loc :
Sample No : 22023069

IP / OP No : 1000956
Gender : Male
Age : 60 Y 3 M 26 D
Vch No : 1370308
Received Dt : 27/05/2022 01:45 PM
Reported On : 28/05/2022 09:46 AM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2022

TEST NAME	VALUE	UNITS	REF. RANGE
-----------	-------	-------	------------

Urine Albumin Absent

Urine Sugar Absent

-----End Of Report-----

Note: Pathological test have technical limitation. For any Dispartiy, Repeated Examinations are required. No legal liability is accepted.
Clinical correlation is also requested.

Dr. R S SHAKTAWAT
MBBS, MD (AFMC PUNE)

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Authorised

Birla Hospital Road, Senth, Chittorgadh - 312025 (Raj) Contact No. 01472
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Printed On: 28/05/2022 09:52 AM

Page Tot: 1

CLINICAL PATHOLOGY

Patient Name	: MR. ASHOK KUMAR GAGRANI-2869	IP / OP No	: 1000956
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia . Sandeep	Age	: 60 Y 3 M 26 D
Class	: OPD	Vch No	: 1370308
Current Loc	:	Received Dt	: 27/05/2022 01:45 PM
Sample No	: 22023069	Reported On	: 28/05/2022 09:46 AM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2022			
TEST NAME	VALUE	UNITS	REF. RANGE

Urine Albumin Absent

Urine Sugar Absent

-----End Of Report-----

Note: Pathological test have technical limitation. For any Dispartiy, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.



Dr. R S SHAKTAWAT
MBBS, MD (AFMC PUNE)

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Authorised

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Reported On: 28/05/2022 09:46 AM

Page 1 of 1

BIOCHEMISTRY

Patient Name	: MR. ASHOK KUMAR GAGRANI-2869	IP / OP No	: 1000956
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia, Sandeep	Age	: 60 Y 3 M 26 D
Class	: OPD	Vch No	: 1370308
Current Loc	:	Received Dt	: 27/05/2022 01:45 PM
Sample No	: 22023067	Reported On	: 28/05/2022 09:45 AM

TEST NAME	VALUE	UNITS	REF. RANGE
LIPID PROFILE			

CHOLESTEROL	142	mg/dl	0 - 200
CHOD-POD			
TRIGLYCERIDES	85	mg/dl	0 - 150
(GPO-POD)			
HDL CHOLESTEROL	42	mg/dl	23 - 92
LDL CHOLESTEROL	83	mg/dl	0 - 100
CALCULATED			
VLDL	17	mg/dl	< 30
CALCULATED			
CHOL/HDL RATIO	3.4	mg/dl	3.40 - 4.40
	CHOLESTEROL	LDL-CHOLESTEROL	CHO/HDL RATIO
Acceptable/Low Risk	: < 200 mg/dL	: < 130 mg/dL	: < 4.5
Borderline High Risk	: 200-239 mg/dL	: 130-159 mg/dL	: 4.5 - 6.0
High Risk	: > 240 mg/dL	: > 160 mg/dL	: > 6.0

APO A1 & APO B- Recent studies have shown that Apolipoproteins A1 & B might be the best indicators of Coronary Artery Disease risk in an individual. Patients who have normal lipid profile may have abnormal Apo A1 & Apo B values. Ratio of Apo B values. Ratio of Apo B : Apo A1 is >1 in cases of increased CHD risk.

-----End Of Report-----

Note: Pathological test have technical limitation. For any Dispartly, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.

Page 2 of 2

Dr. R S SHAKTAWAT

Dr. R S SHAKTAWAT
MBBS MD (AFMC PUNE)

Authorised

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

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BIOCHEMISTRY

Patient Name	: MR. ASHOK KUMAR GAGRANI-2869	IP / OP No	: 1000956
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia . Sandeep	Age	: 60 Y 3 M 26 D
Class	: OPD	Vch No	: 1370308
Current Loc	:	Received Dt	: 27/05/2022 01:45 PM
Sample No	: 22023067	Reported On	: 28/05/2022 09:45 AM

TEST NAME	VALUE	UNITS	REF. RANGE
LIPID PROFILE			

CHOLESTEROL	142	mg/dl	0 - 200
CHOD-POD			
TRIGLYCERIDES	85	mg/dl	0 - 150
(GPO-POD)			
HDL CHOLESTEROL	42	mg/dl	23 - 92
LDL CHOLESTEROL	83	mg/dl	0 - 100
CALCULATED			
VLDL	17	mg/dl	< 30
CALCULATED			
CHOL/HDL RATIO	3.4	mg/dl	3.40 - 4.40

CHOLESTEROL LDL-CHOLESTEROL CHO/HDL RATIO

Acceptable/Low Risk	: < 200 mg/dL	: < 130 mg/dL	: < 4.5
Borderline High Risk	: 200-239 mg/dL	: 130-159 mg/dL	: 4.5 - 6.0
High Risk	: > 240 mg/dL	: > 160 mg/dL	: > 6.0

APO A1 & APO B:- Recent studies have shown that Apolipoproteins A1 & B might be the best indicators of Coronary Artery Disease risk in an individual. Patients who have normal lipid profile may have abnormal Apo A1 & Apo B values. Ratio of Apo B values. Ratio of Apo B : Apo A1 is >1 in cases of increased CHD risk.

-----End Of Report-----

Note: Pathological test have technical limitation. For any Dispartly, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.

Page 2 of 2

Shruti

DR. R S SHAKTAWAT
MBBS, MD (AIIMS PUNE)

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

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MP Birla Hospital & Research Centre



HAEMATOLOGY

Patient Name	: MR. ASHOK KUMAR GAGRANI-2869	IP / OP No	: 1000956
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolla . Sandeep	Age	: 60 Y 3 M 26 D
Class	: OPD	Vch No	: 1370308
Current Loc	:	Received Dt	: 27/05/2022 01:45 PM
Sample No	: 22023066	Reported On	: 27/05/2022 06:06 PM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2022			
TEST NAME	VALUE	UNITS	REF. RANGE
HAEMOGLOBIN	14.6		
RBC Count	4.84	g/dl	13.0 - 17.0
Haematocrit (P.C.V.)	44.6	10 ⁶ /ul	4.5 - 5.5
Mean Corpuscular Vol (MCV)	92.1	%	40.0 - 50.0
Mean Corpuscular Hb.(MCH)	30.1	fL	83.0 - 102.0
Mean Corp.HB.Con (MCHC)	32.6	pg	27.0 - 32.0
WBC COUNT	5,770	g/dl	31.5 - 34.5
DIFFERENTIAL COUNT		/cmm	4000 - 10000
Neutrophils	63		
Lymphocytes	27	%	40 - 80
Eosinophil	1	%	20 - 40
Monocytes	9	%	1 - 6
Basophils	0	%	2 - 10
PLATELET COUNT	2.46	%	0 - 2
RDW - CV	13.0	lakh/cu mm	1.5 - 4.2
RDW - SD	40	%	
MPV	7		

-----End Of Report-----

Note: Pathological test have technical limitation. For any Dispartly, Repeated Examinations are required. No legal liability is accepted.
Clinical correlation is also requested.

Authorised

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Email : admin@mpbirlahospitalduttar.com Website : www.mpbirlahospitalduttar.com
Dr. R S SHAKTAWAT
MBBS, MD (APMC PUNE)
CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Page 1 of 1



MP Birla Hospital & Research Centre



HAEMATOLOGY

Patient Name	: MR. ASHOK KUMAR GAGRANI-2869	IP / OP No	: 1000956
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. Chandolia . Sandeep	Age	: 60 Y 3 M 26 D
Class	: OPD	Vch No	: 1370308
Current Loc	:	Received Dt	: 27/05/2022 01:45 PM
Sample No	: 22023066	Reported On	: 27/05/2022 06:06 PM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2022

TEST NAME	VALUE	UNITS	REF. RANGE
HAEMOGLOBIN	14.6	g/dl	13.0 - 17.0
RBC Count	4.84	10 ⁶ /ul	4.5 - 5.5
Haematocrit (P.C.V.)	44.6	%	40.0 - 50.0
Mean Corpuscular Vol (MCV)	92.1	fL	83.0 - 102.0
Mean Corpuscular Hb.(MCH)	30.1	pg	27.0 - 32.0
Mean Corp.HB.Con (MCHC)	32.6	g/dl	31.5 - 34.5
WBC COUNT	5,770	/cmm	4000 - 10000
DIFFERENTIAL COUNT			
Neutrophils	63	%	40 - 80
Lymphocytes	27	%	20 - 40
Eosinophil	1	%	1 - 6
Monocytes	9	%	2 - 10
Basophils	0	%	0 - 2
PLATELET COUNT	2.46	lakh/cu mm	1.5 - 4.2
RDW - CV	13.0	%	
RDW - SD	40		
MPV	7		

-----End Of Report-----

Note: Pathological test have technical limitation. For any Dispartiy, Repeated Examinations are required. No legal liability is accepted. Clinical correlation is also requested.

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Page 1 of 1

Dr. R.S. Shaktawat

DR. R.S. SHAKTAWAT

MBBS, MD (PACIFIC PUNE)

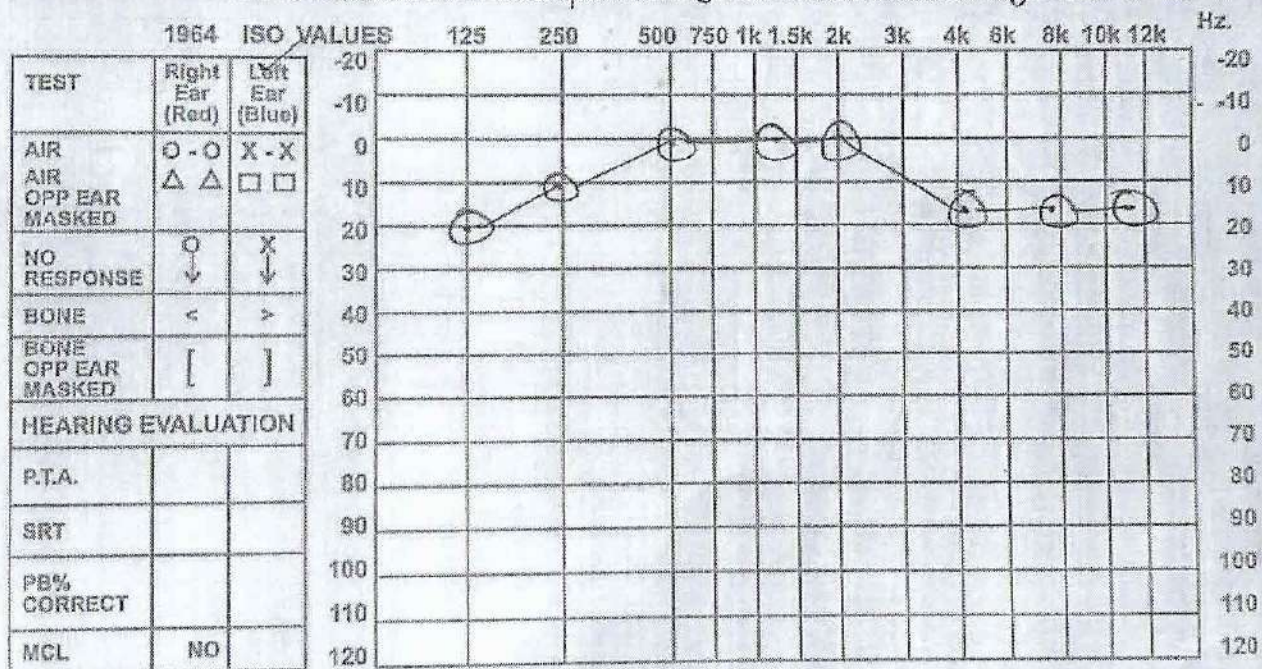
CONSULTANT PATHOLOGIST & MICROBIOLOGIST



AUDIOGRAM

PATIENT NAME Ashok Kumar Gagrani SEX Male AGE 61

ADDRESS 70B, Pratap Nagar, Chittorgarh DATE 27/05/22



OTOSCOPY		
R		
L		
TFT		
TEST	R	L
RINNE		
WEBER		
BING		
SPECIAL TEST		
SISI		
T.D.T.		

Remarks : Normal hearing

Complaint : _____

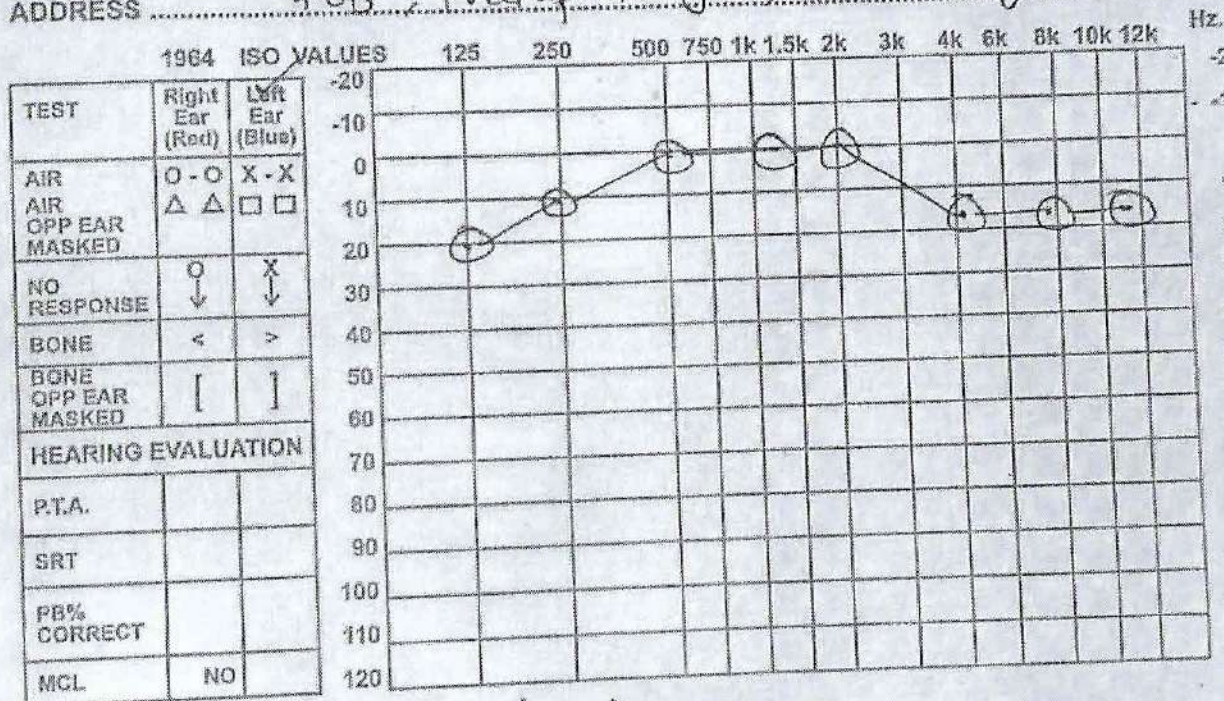
Recommendations : _____

AUDIOLOGIST



AUDIOGRAM

PATIENT NAME Ashok Kumar Gagrani SEX Male AGE 61
ADDRESS 70B, Pratap Nagar, Chittorgarh DATE 27/05/22



OTOSCOPY		
R		
L		
TFT		
TEST	R	L
RINNE		
WEBER		
BING		
SPECIAL TEST		
SISI		
T.D.T.		

Remarks : Normal hearing

Complaint : _____

Recommendations : _____

AUDIOLOGIST

3. ILO Classification of Chest Radiograph

Profusion of Pneumoconic opacities	Grades	Grades
Present/Absent		

Enclosed Chest Radiograph

4. Audiometry Findings

Conduction Type	Left Ear	Right Ear
Ear Conduction	Normal/Abnormal	Normal/Abnormal
Bone Conduction	Normal/Abnormal	Normal/Abnormal

Enclosed Audiometry Report

5. Pathological/Microbiological Investigations

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

Enclosed Investigation Reports.

6. Special Tests for Mn exposure

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

7. Any other Special Test Required :

Signature of the Examination Authority

Dr. Jamana Lal Dhaker

M.B.B.S., Medical Officer

RMC No. 53153

MP Birla Hospital & Research Centre
Senthil, Chittorgarh (Raj.)



3. ILO Classification of Chest Radiograph

Profusion of Pneumococcal opacities	Grades	Grades
Present/Absent		

Enclosed Chest Radiograph

4. Audiometry Findings

Conduction Type	Left Ear	Right Ear
Ear Conduction	Normal/Abnormal	Normal/Abnormal
Bone Conduction	Normal/Abnormal	Normal/Abnormal

Enclosed Audiometry Report

5. Pathological/Microbiological Investigations

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

Enclosed Investigation Reports

6. Special Tests for Mn exposure

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

7. Any other Special Test Required :

Signature of the Examination Authority



Dr. Jamana Lal Dhaker

M.B.B.S., Medical Officer

PMC No. 53153

MP Birla Hospital & Research Centre
Senthil, Chittorgarh (Raj.)

9. Nervous system
History of fits or epilepsy
Paralysis
Mental health
10. Locomotors system
11. Skin
12. Hernia
13. Hydrocele
14. Any other abnormality.
15. Urine
Reaction
Albumin
Sugar
16. Ski gram of chest
17. Any other test considered necessary by the examining authority.
18. Any opinion of specialist considered necessary.

Signature of the examining authority

Place Chittorgarh.

Dr. Jamana Lal Dhaker
M.B.B.S., Medical Officer
RMC No. 6316
MP Birla Hospital & Research Centre
Santhi, Chittorgarh (Raj.)



**ISSUED TO:**

M/s Birla Corporation Limited
 Madhav nagar, P.O. Cement Factory,
 Chanderia, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/001
 Issued Date : 2022.10.08
 P. Order Ref : 4560878107
 P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT NOISE LEVEL MONITORING

NAME OF THE LOCATION : Admin Block

Sample Registration Date : 29-09-2022 Sampling Date : 26 to 27-09-2022
 Analysis Starting Date : 29-09-2022 Analysis Completion Date : 10-09-2022

Test Required : L day & L night

Sample collected by Vimta labs ltd

TEST REPORT

Sr.No	Noise Statistical Parameter	UoM	Result	Limit as per E(P)A 1986
1	Equivalent Noise level Leq (day) (06:00 AM-10:00PM)	dB(A)	59.8	<u>Industrial Area</u> 75 dB(A) during Day Time 70 dB(A) during Night Time <u>Commercial Area</u> 65 dB(A) during Day Time 60 dB(A) during Night Time
2	Equivalent Noise level Leq (Night) (10:00 PM-06:00PM)	dB(A)	53.2	<u>Residential Area</u> 55 dB(A) during Day Time 45 dB(A) during Night Time

Dr. SubbaReddy Mallampati
Dy. Manager-Environment.

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan ,India-312021

Report Number : VLL/VLS/22/10045/002
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT NOISE LEVEL MONITORING
NAME OF THE LOCATION : CCW CRUSHER

Sample Registration Date : 29-09-2022 Sampling Date : 26 to 27-09-2022
Analysis Starting Date : 29-09-2022 Analysis Completion Date : 10-09-2022

Test Required : L day & L night
Sample collected by Vimta labs ltd

TEST REPORT

Sr.No	Noise Statistical Parameter	UoM	Result	Limit as per E(P)A 1986
1	Equivalent Noise level Leq (day)	dB(A)	70.5	<u>Industrial Area</u> 75 dB(A) during Day Time 70 dB(A) during Night Time <u>Commercial Area</u>
	(06:00 AM-10:00PM)			65 dB(A) during Day Time 60 dB(A) during Night Time <u>Residential Area</u>
2	Equivalent Noise level Leq (Night)	dB(A)	66.8	55 dB(A) during Day Time 45 dB(A) during Night Time
	(10:00 PM-06:00PM)			



Dr. SubbaReddy Mallampati
Dy. Manager-Environment.

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan , India-312021

Report Number : VLL/VLS/22/10045/003
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT NOISE LEVEL MONITORING
NAME OF THE LOCATION : AT STP

Sample Registration Date	: 29-09-2022	Sampling Date	: 26 to 27-09-2022
Analysis Starting Date	: 29-09-2022	Analysis Completion Date	: 10-09-2022
Test Required	: L _{day} & L _{night}		
Sample collected by Vimta labs ltd			

TEST REPORT

Sr.No	Noise Statistical Parameter	UoM	Result	Limit as per E(P)A 1986
1	Equivalent Noise level Leq (day) (06:00 AM-10:00PM)	dB(A)	51.4	<u>Industrial Area</u> 75 dB(A) during Day Time 70 dB(A) during Night Time <u>Commercial Area</u> 65 dB(A) during Day Time 60 dB(A) during Night Time
2	Equivalent Noise level Leq (Night) (10:00 PM-06:00PM)	dB(A)	44.6	<u>Residential Area</u> 55 dB(A) during Day Time 45 dB(A) during Night Time



Dr. SubbaReddy Mallampati
Dy. Manager-Environment.

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan , India-312021

Report Number : VLL/VLS/22/10045/009
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT NOISE LEVEL MONITORING
NAME OF THE LOCATION : CCW 132 KVA SUBSTATION

Sample Registration Date : 29-09-2022 Sampling Date : 26 to 27-09-2022
Analysis Starting Date : 29-09-2022 Analysis Completion Date : 10-09-2022

Test Required : L day & L night
Sample collected by Vimta labs ltd

TEST REPORT

Sr.No	Noise Statistical Parameter	UoM	Result	Limit as per E(P)A 1986
1	Equivalent Noise level Leq (day) (06:00 AM-10:00PM)	dB(A)	69.5	<u>Industrial Area</u> 75 dB(A) during Day Time 70 dB(A) during Night Time <u>Commercial Area</u> 65 dB(A) during Day Time 60 dB(A) during Night Time
2	Equivalent Noise level Leq (Night) (10:00 PM-06:00PM)	dB(A)	66.2	<u>Residential Area</u> 55 dB(A) during Day Time 45 dB(A) during Night Time



Dr. SubbaReddy Mallampati
Dy. Manager-Environment.

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chanderia, Rajasthan , India-312021

Report Number : VLL/VLS/22/10045/010
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT NOISE LEVEL MONITORING
NAME OF THE LOCATION : Thermal Power Plant(27MW)

Sample Registration Date : 29-09-2022 Sampling Date : 26 to 27-09-2022
Analysis Starting Date : 29-09-2022 Analysis Completion Date : 10-09-2022
Test Required : L_{day} & L_{night}
Sample collected by Vimta labs ltd

TEST REPORT

Sr.No	Noise Statistical Parameter	UoM	Result	Limit as per E(P)A 1986
1	Equivalent Noise level Leq (day) (06:00 AM-10:00PM)	dB(A)	71.2	<u>Industrial Area</u> 75 dB(A) during Day Time 70 dB(A) during Night Time <u>Commercial Area</u> 65 dB(A) during Day Time 60 dB(A) during Night Time
2	Equivalent Noise level Leq (Night) (10:00 PM-06:00PM)	dB(A)	66.8	<u>Residential Area</u> 55 dB(A) during Day Time 45 dB(A) during Night Time



Dr. SubbaReddy Mallampati
Dy. Manager-Environment.

**ISSUED TO:**

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/007
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sample Registration Date : 29-09-2022 Sampling Date : 26 to 27-09-2022
Analysis Starting Date : 01-10-2022 Analysis Completion Date : 08-10-2022
Test Required : PM₁₀, PM_{2.5}, SO₂, NO₂, CO, NH₃, As, Ni, Pb, C₆H₆, B(a)P and O₃.
Sample collected by Vimta labs ltd

TEST REPORT

LOCATION: ADMINISTRATIVE BUILDING; DURATION : 24 HOURS				
Parameters	UoM	Method	Results	NAAQ Standards
Particulate Matter (PM ₁₀)	µg/m ³	IS:5182 (P:23) 2006 (RA 2017)	88	Max100 (24 -hr.)
Particulate Matter (PM _{2.5})	µg/m ³	IS:5182 (P:24) 2019	39	Max60 (24 -hr.)
Sulphur dioxide (SO ₂)	µg/m ³	IS:5182(P:2) 2001(RA 2017)	12.26	Max80 (24 -hr.)
Nitrogen dioxide (NO ₂)	µg/m ³	IS:5182(P:6) 2006(RA 2017)	25.64	Max80 (24 -hr.)
Ammonia (NH ₃)	µg/m ³	APHA-401	19.24	Max400 (24 -hr.)
Lead (Pb)	µg/m ³	USEPA Method-IO3.4	<0.001	Max1.0 (24 -hr.)
Carbon monoxide (CO)	mg/m ³	IS:5182(P:10)GC	1.18	Max2 (8 -hr.)
Ozone (O ₃)	µg/m ³	IS:5182 (P:9) 1974	14.67	Max100 (8 -hr.)
Benzene (C ₆ H ₆)	µg/m ³	GC Method	1.18	05 (Annual Avg.)
Arsenic (As)	ng/m ³	USEPA Method-IO 3.2	0.39	06(Annual Avg.)
Nickel (Ni)	ng/m ³	USEPA Method-IO 3.2	4.7	20 (Annual Avg.)
Benzo (a) Pyrene (BaP)	ng/m ³	IS:5182(P:12)2004	<0.01	01 (Annual Avg.)

- NH₃, C₆H₆, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs. Basis & Ozone is monitored on 8 hrs basis.
- Below Detectable Limit for As, Ni, Pb 1.0 ng/m³ Below Detectable Limit for NH₃ 2.0 µg/m³
- Below Detectable Limit for O₃ 5.0 µg/m³
- Below Detectable Limit for Benzene 0.01 µg/m³
- Below Detectable Limit for B(a)P 0.01 ng/m³
- Instrument -AAS 217 BL; AAS 127

Dr. SubbaReddy Mallampati
Dy. Manager-Environment

Registered Office: Plot No. 142, IDA Phase -II, Cherlapally, Medchal District, Hyderabad -500 051, Telangana, India.
Corporate Office & Life Science Facility: Plot No: 5, MN Park, Genome Valley, Shameerpet, Hyderabad - 500 101, Telangana, India.
Tel: +91 40 6740 4040, www.vimta.com

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan ,India-312021

Report Number : VLL/VLS/22/10045/006
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sample Registration Date : 29-09-2022 Sampling Date : 26 to 27-09-2022
Analysis Starting Date : 01-10-2022 Analysis Completion Date : 08-10-2022
Test Required : PM₁₀, PM_{2.5}, SO₂, NO₂, CO, NH₃, As, Ni, Pb, C₆H₆, B(a)P and O₃.
Sample collected by Vimta labs ltd

TEST REPORT

LOCATION: NEAR CCW CRUSHER; DURATION : 24 HOURS

Parameters	UoM	Method	Results	NAAQ Standards
Particulate Matter (PM ₁₀)	µg/m ³	IS:5182 (P:23) 2006 (RA 2017)	96	Max100 (24 -hr.)
Particulate Matter (PM _{2.5})	µg/m ³	IS:5182 (P:24) 2019	53	Max60 (24 -hr.)
Sulphur dioxide (SO ₂)	µg/m ³	IS:5182(P:2) 2001(RA 2017)	15.14	Max80 (24 -hr.)
Nitrogen dioxide (NO ₂)	µg/m ³	IS:5182(P:6) 2006(RA 2017)	31.45	Max80 (24 -hr.)
Ammonia (NH ₃)	µg/m ³	APHA-401	17.8	Max400 (24 -hr.)
Lead (Pb)	µg/m ³	USEPA Method-IO3.4	<0.001	Max1.0 (24 -hr.)
Carbon monoxide (CO)	mg/m ³	IS:5182(P:10)GC	1.12	Max2 (8 -hr.)
Ozone (O ₃)	µg/m ³	IS:5182 (P:9) 1974	13.48	Max100 (8 -hr.)
Benzene (C ₆ H ₆)	µg/m ³	GC Method	1.27	05 (Annual Avg.)
Arsenic (As)	ng/m ³	USEPA Method-IO 3.2	0.41	06(Annual Avg.)
Nickel (Ni)	ng/m ³	USEPA Method-IO 3.2	4.8	20 (Annual Avg.)
Benzo (a) Pyrene (BaP)	ng/m ³	IS:5182(P:12)2004	<0.01	01 (Annual Avg.)

- NH₃, C₆H₆, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs. Basis & Ozone is monitored on 8 hrs basis.
- Below Detectable Limit for As, Ni, Pb 1.0 ng/m³ Below Detectable Limit for NH₃ 2.0 µg/m³
- Below Detectable Limit for O₃ 5.0 µg/m³
- Below Detectable Limit for Benzene 0.01 µg/m³
- Below Detectable Limit for B(a)P 0.01 ng/m³
- Instrument -AAS 217 BL; AAS 127

Dr. SubbaReddy Mallampati
Dy. Manager-Environment

Registered Office: Plot No. 142, IDA Phase -II, Cherlapally, Medchal District, Hyderabad -500 051, Telangana, India.
Corporate Office & Life Science Facility: Plot No: 5, MN Park, Genome Valley, Shameerpet, Hyderabad - 500 101, Telangana, India.
Tel: +91 40 6740 4040, www.vimta.com

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/005
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sample Registration Date : 29-09-2022 Sampling Date : 26 to 27-09-2022
Analysis Starting Date : 30-09-2022 Analysis Completion Date : 08-10-2022
Test Required : PM₁₀, PM_{2.5}, SO₂, NO₂, CO, NH₃, As, Ni, Pb, C₆H₆, B(a)P and O₃.
Sample collected by Vimta labs ltd

TEST REPORT

LOCATION : NEAR STP ; DURATION: 24 HOURS

Parameters	UoM	Method	Results	NAAQ Standards
Particulate Matter (PM ₁₀)	µg/m ³	IS:5182 (P:23) 2006 (RA 2017)	71	Max100 (24 -hr.)
Particulate Matter (PM _{2.5})	µg/m ³	IS:5182 (P:24) 2019	38	Max60 (24 -hr.)
Sulphur dioxide (SO ₂)	µg/m ³	IS:5182(P:2) 2001(RA 2017)	11.45	Max80 (24 -hr.)
Nitrogen dioxide (NO ₂)	µg/m ³	IS:5182(P:6) 2006(RA 2017)	22.62	Max80 (24 -hr.)
Ammonia (NH ₃)	µg/m ³	APHA-401	18.5	Max400 (24 -hr.)
Lead (Pb)	µg/m ³	USEPA Method-IO3.4	<0.001	Max1.0 (24 -hr.)
Carbon monoxide (CO)	mg/m ³	IS:5182(P:10)GC	1.08	Max2 (8 -hr.)
Ozone (O ₃)	µg/m ³	IS:5182 (P:9) 1974	12.34	Max100 (8 -hr.)
Benzene (C ₆ H ₆)	µg/m ³	GC Method	1.86	05 (Annual Avg.)
Arsenic (As)	ng/m ³	USEPA Method-IO 3.2	0.28	06(Annual Avg.)
Nickel (Ni)	ng/m ³	USEPA Method-IO 3.2	4.2	20 (Annual Avg.)
Benzo (a) Pyrene (BaP)	ng/m ³	IS:5182(P:12)2004	<0.01	01 (Annual Avg.)

- NH₃, C₆H₆, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs. Basis & Ozone is monitored on 8 hrs basis.
- Below Detectable Limit for As, Ni, Pb 1.0 ng/m³ Below Detectable Limit for NH₃ 2.0 µg/m³
- Below Detectable Limit for O₃ 5.0 µg/m³
- Below Detectable Limit for Benzene 0.01 µg/m³
- Below Detectable Limit for B(a)P 0.01 ng/m³
- Instrument -AAS 217 BL; AAS 127

Dr. SubbaReddy Mallampati
Dy. Manager-Environment

Registered Office: Plot No. 142, IDA Phase -II, Cherlapally, Medchal District, Hyderabad -500 051, Telangana, India.
Corporate Office & Life Science Facility: Plot No: 5, MN Park, Genome Valley, Shameerpet, Hyderabad - 500 101, Telangana, India.
Tel: +91 40 6740 4040, www.vimta.com

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chandera, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/004
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sample Registration Date : 29-09-2022 Sampling Date : 22 to 23-09-2022
Analysis Starting Date : 30-09-2022 Analysis Completion Date : 08-10-2022
Test Required : PM₁₀, PM_{2.5}, SO₂, NO₂, CO, NH₃, As, Ni, Pb, C₆H₆, B(a)P and O₃.
Sample collected by Vimta labs ltd

TEST REPORT

LOCATION : CCW 132 KV SUBSTATION

Parameters	UoM	Method	Results	NAAQ Standards
Particulate Matter (PM ₁₀)	µg/m ³	IS:5182 (P:23) 2006 (RA 2017)	86	Max100 (24 -hr.)
Particulate Matter (PM _{2.5})	µg/m ³	IS:5182 (P:24) 2019	49	Max60 (24 -hr.)
Sulphur dioxide (SO ₂)	µg/m ³	IS:5182(P:2) 2001 (RA 2017)	12.49	Max80 (24 -hr.)
Nitrogen dioxide (NO ₂)	µg/m ³	IS:5182(P:6) 2006(RA 2017)	27.48	Max80 (24 -hr.)
Ammonia (NH ₃)	µg/m ³	APHA-401	16.3	Max400 (24 -hr.)
Lead (Pb)	µg/m ³	USEPA Method-IO3.4	<0.001	Max1.0 (24 -hr.)
Carbon monoxide (CO)	mg/m ³	IS:5182(P:10)GC	1.06	Max2 (8 -hr.)
Ozone (O ₃)	µg/m ³	IS:5182 (P:9) 1974	11.4	Max100 (8 -hr.)
Benzene (C ₆ H ₆)	µg/m ³	GC Method	1.48	05 (Annual Avg.)
Arsenic (As)	ng/m ³	USEPA Method-IO 3.2	0.34	06(Annual Avg.)
Nickel (Ni)	ng/m ³	USEPA Method-IO 3.2	3.9	20 (Annual Avg.)
Benzo (a) Pyrene (BaP)	ng/m ³	IS:5182(P:12)2004	<0.01	01 (Annual Avg.)

- NH₃, C₆H₆, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs. Basis & Ozone is monitored on 8 hrs basis.
- Below Detectable Limit for As, Ni, Pb 1.0 ng/m³ Below Detectable Limit for NH₃ 2.0 µg/m³
- Below Detectable Limit for O₃ 5.0 µg/m³
- Below Detectable Limit for Benzene 0.01 µg/m³
- Below Detectable Limit for B(a)P 0.01 ng/m³

Dr. SubbaReddy Mallampati
Dy. Manager-Environment

Registered Office: Plot No. 142, IDA Phase -II, Cherlapally, Medchal District, Hyderabad -500 051, Telangana, India.
Corporate Office & Life Science Facility: Plot No: 5, MN Park, Genome Valley, Shameerpet, Hyderabad - 500 101, Telangana, India.
Tel: +91 40 6740 4040, www.vimta.com

ISSUED TO:

M/s Birla Corporation Limited
Madhav nagar, P.O. Cement Factory,
Chanderia, Rajasthan, India-312021

Report Number : VLL/VLS/22/10045/008
Issued Date : 2022.10.08
P. Order Ref : 4560878107
P.O. Date : 16.09.2022

Page 1 of 1

SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

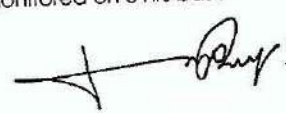
Sample Registration Date : 29-09-2022 Sampling Date : 26 to 27-09-2022
Analysis Starting Date : 01-10-2022 Analysis Completion Date : 08-10-2022
Test Required : PM₁₀, PM_{2.5}, SO₂, NO₂, CO, NH₃, As, Ni, Pb, C₆H₆, B(a)P and O₃.
Sample collected by Vimta labs ltd

TEST REPORT

LOCATION: THERMAL POWER PLANT(27 MW); DURATION : 24 HOURS

Parameters	UoM	Method	Results	NAAQ Standards
Particulate Matter (PM ₁₀)	µg/m ³	IS:5182 (P:23) 2006 (RA 2017)	92	Max100 (24 -hr.)
Particulate Matter (PM _{2.5})	µg/m ³	IS:5182 (P:24) 2019	44	Max60 (24 -hr.)
Sulphur dioxide (SO ₂)	µg/m ³	IS:5182(P:2) 2001(RA 2017)	16.72	Max80 (24 -hr.)
Nitrogen dioxide (NO ₂)	µg/m ³	IS:5182(P:6) 2006(RA 2017)	31.28	Max80 (24 -hr.)
Ammonia (NH ₃)	µg/m ³	APHA-401	18.44	Max400 (24 -hr.)
Lead (Pb)	µg/m ³	USEPA Method-IO3.4	<0.001	Max1.0 (24 -hr.)
Carbon monoxide (CO)	mg/m ³	IS:5182(P:10)GC	1.23	Max2 (8 -hr.)
Ozone (O ₃)	µg/m ³	IS:5182 (P:9) 1974	18.78	Max100 (8 -hr.)
Benzene (C ₆ H ₆)	µg/m ³	GC Method	1.06	05 (Annual Avg.)
Arsenic (As)	ng/m ³	USEPA Method-IO 3.2	0.29	06 (Annual Avg.)
Nickel (Ni)	ng/m ³	USEPA Method-IO 3.2	3.8	20 (Annual Avg.)
Benzo (a) Pyrene (BaP)	ng/m ³	IS:5182(P:12)2004	<0.01	01 (Annual Avg.)

- NH₃, C₆H₆, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs. Basis & Ozone is monitored on 8 hrs basis.
- Below Detectable Limit for As, Ni, Pb 1.0 ng/m³ Below Detectable Limit for NH₃ 2.0 µg/m³
- Below Detectable Limit for O₃ 5.0 µg/m³
- Below Detectable Limit for Benzene 0.01 µg/m³
- Below Detectable Limit for B(a)P 0.01 ng/m³


Dr. SubbaReddy Mallampati
Dy. Manager-Environment

Registered Office: Plot No. 142, IDA Phase -II, Cherlapally, Medchal District, Hyderabad -500 051, Telangana, India.
Corporate Office & Life Science Facility: Plot No: 5, MN Park, Genome Valley, Shameerpet, Hyderabad - 500 101, Telangana, India.
Tel: +91 40 6740 4040, www.vimta.com

8/6/22, 11:09 AM

Transport Department, Rajasthan



प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त
(Rule 115 of CMV Rules 1989)

15214402

VALID IN ALL INDIA

Photo of Vehicle



Pucc No :	D28RJ09116959
Vehicle No :	RJ09PA2971
Customer Name :	BIRLA CORPORATION LTD.
Customer Mobile :	9414497939
Year of Regn :	25-03-2013
Type of Vehicle :	D.VAN
Make :	Tata Motors
Model :	WINGER
Test Date :	06-08-2022
Time :	11:09:23 AM
Valid UpTo :	05-02-2023
Center Name :	Highway Mobile Pollution Check Center, (RJ06-GA-9509)
Center Address :	Near RTO Office, Chittorgarh
Licence No :	RJ09-27/28
Test Result :	Pass

Flushing Cycle

Avg	RPM Min	RPM Max	Temp
640		2024	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	666	1966	0.66	24.8	NA
2	662	1950	0.67	24.9	NA
3	693	2063	0.55	21.1	NA
Mean			0.63	23.6	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI / 3 Wheelers	0.7 / 1.5	26 / 48

Valid for Six Months for Bharat Stage III or below
and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

D28RJ09

Authorised Signatory

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM REILTRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09PA2971
PUC No. : D28RJ09116959
Valid up to : 05-02-2023
Scan QR Code to Validate



Veh Reg No : RJ09PA2971
PUC No. : D28RJ09116959
Valid up to : 05-02-2023
Scan QR Code to Validate

8/6/22, 2:57 PM

Transport Department, Rajasthan



प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

(Rule 115 of CMV Rules 1989)

15214257

Pucc No :	D28RJ09116968
Vehicle No :	RJ09UB0774
Customer Name :	BIRLA CORPORATION
Customer Mobile :	9414497939
Year of Regn :	21-01-2022
Type of Vehicle :	D.VAN
Make :	Mahindra & Mahindra
Model :	BOLERO NEO
Test Date :	06-08-2022
Time :	02:57:11 PM
Valid Up To :	05-08-2023
Center Name :	Highway Mobile Pollution Check Center, (RJ06-GA-9509)
Center Address :	Near RTO Office, Chittorgarh
Licence No :	RJ09-27/28
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle

Avg	RPM Min	RPM Max	Temp
687		1955	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	649	1889	0.60	22.6	NA
2	706	1997	0.61	23.2	NA
3	679	1999	0.59	22.3	NA
Mean			0.60	22.7	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS III & 3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

D28RJ09

Authorised Signatory

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM REILTRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09UB0774
PUC No. : D28RJ09116968
Valid up to : **05-08-2023**
Scan QR Code to Validate



Veh Reg No : RJ09UB0774
PUC No. : D28RJ09116968
Valid up to : **05-08-2023**
Scan QR Code to Validate

8/6/22, 11:04 AM

Transport Department ,Rajasthan



प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

(Rule 115 of CMV Rules 1989)

15214399

Pucc No :	D28RJ09116958
Vehicle No :	RJ09CB1036
Customer Name :	BIRLA CORPORATION LTD.
Customer Mobile :	7568640143
Year of Regn :	13-06-2014
Type of Vehicle :	CAR
Make :	Maruti Udyog
Model :	SWIFT D'ZIRE
Test Date :	06-08-2022
Time :	11:03:28 AM
Valid UpTo :	05-02-2023
Center Name :	Highway Mobile Pollution Check Center, (RJ06-GA-9509)
Center Address :	Near RTO Office, Chittorgarh
Licence No :	RJ09-27/28
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle				
Avg	RPM Min	RPM Max	Temp	
644		2036	NA	

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	594	2037	0.68	25.2	NA
2	586	2010	0.58	22.2	NA
3	652	2017	0.77	28.3	NA
Mean			0.68	25.2	

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI & wheelers	0.7 / 1.5	26 / 48

Valid for Six Months for Bharat Stage III or below
 or one year for Bharat Stage IV/VI vehicles.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.

Seal of Testing Station	Testing Station Code D28RJ09	Authorised Signatory
-------------------------	---------------------------------	----------------------

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM REILTRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09CB1036
 PUC No. : D28RJ09116958
 Valid up to : **05-02-2023**
 Scan QR Code to Validate



Veh Reg No : RJ09CB1036
 PUC No. : D28RJ09116958
 Valid up to : **05-02-2023**
 Scan QR Code to Validate

8/6/22, 1:36 PM

Transport Department ,Rajasthan



प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

(Rule 115 of CMV Rules 1989)

15214235

Pucc No :	P29RJ09111849
Vehicle No :	RJ09CA6254
Customer Name :	BIRLA CORPORATION LTD.
Customer Mobile :	9414497939
Year of Regn :	28-03-2011
Type of Vehicle :	4 Wheeler
Type of Engine :	4 STROKE
Make :	Hyundai Motor
Model :	ACCENT
FUEL :	PETROL
Test Date :	06-08-2022
Time :	01:36:24 PM
Valid UpTo :	05-02-2023
Center Name :	Highway Mobile Pollution Check Center, (RJ06-GA-9509)
Center Address :	Near RTO Office, Chittorgarh
Licence No :	RJ09-27/28
Test Result :	Pass

Certificate price: ₹ 70

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV or Bharat Stage VI vehicles.



VALID IN ALL INDIA

Photo of Vehicle



Petrol Test		Gas Test		Unit
Pres STD	Measured level	Pres STD	Measured level	
CO 3.0	2.398	--	--	%
HC 1500	685	--	--	Vol
CO2 --	5.28	--	--	PPM
O2 --	9.87	--	--	%Vol
				PPM

At High Idel RPM 2300 - 2700

	Pres STD	Measured level	Unit
CO	0.2	--	% Vol
Lambda	0.97 - 1.03	--	

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station

Authorised Signatory

CERTIFICATE IS ONLY VALID IF ISSUED FROM REGD. TRANSPORT DEPT. RJS. ONLY. NO 3RD PARTY OR UNAUTHORIZED CERTIFICATE.

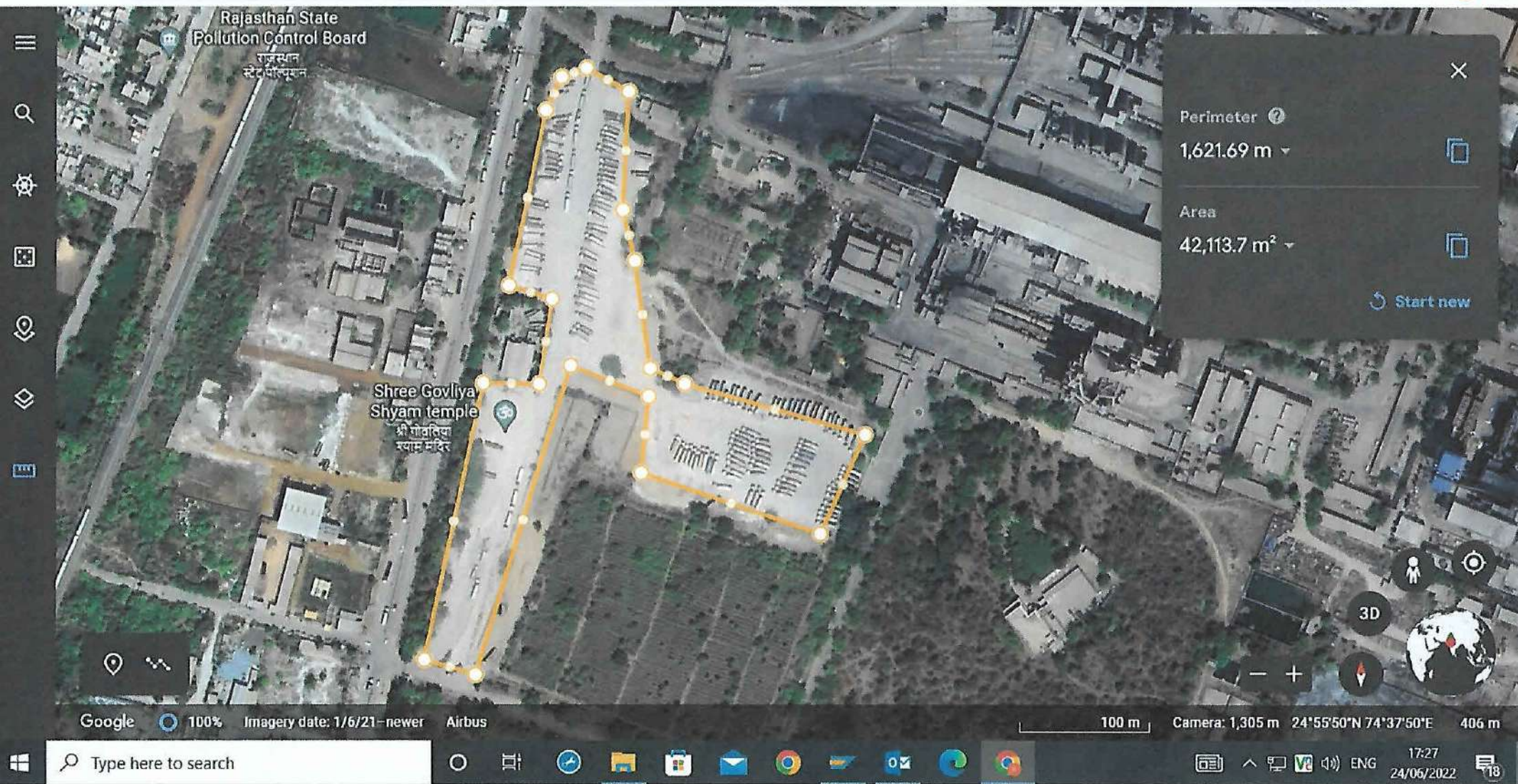
Transport Dept. Govt of Rajasthan



Veh Reg No : RJ09CA6254
PUC No. : P29RJ09111849
Valid up to : **05-02-2023**
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Veh Reg No : RJ09CA6254
PUC No. : P29RJ09111849
Valid up to : **05-02-2023**
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ISSUED TO:			
M/s Birla Corporation Limited Madhav nagar, P.O. Cement Factory, Chandera, Rajasthan , India-312021		Report Number	: VLL/VLS/22/10045/017
		Issue Date	: 2022.10.08
		P.O. Ref	: 4560878107
		P.O. Date	: 16.09.2022

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SAMPLE PARTICULARS		: STP Outlet Water			
Sample Registration Date	:	29-09-2022	Sampling Date	:	28-09-2022
Analysis Starting Date	:	29-09-2022	Analysis Completion Date	:	09-10-2022
Type of Sample	:	Waste Water			
Method of testing	:	As per APHA 23 rd edition and IS 3025 part-44.			
Sample collected by Vimta labs ltd					

TEST REPORT

S. No.	Parameter	Test Methods	Observed Value	Unit	Limits
1.	pH	IS-3025 (Part-11): 1983 (RA2002)	7.18	-	6.5-9.0
2.	COD	IS-3025 (Part-58): 2006	79.54	mg/l	250
3.	BOD (3Days at 27°C)	IS-3025(Part-44):1993(RA2009)	18.00	mg/l	30
4.	Oil and Grease	IS-3025(Part-39):2006	3.10	mg/l	10
5.	Total Suspended Solids	IS-3025(Part-17):2022	38.0	mg/l	100
6.	Ammonical Nitrogen (as N)	IS-3025(Part-34):1986	9.54	mg/l	50
7.	Nitrate as NO3	APHA 4500:2017	12		50
8.	Fecal Coliform (FC)	IS-1622(Part-34):1981	495	MPN per 100 ml	1000



Dr. SubbaReddy Mallampati
Dy. Manager-Environment

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SAMPLE PARTICULARS : CCW Unit-II (New Chittoor Cement Works)			
Sample Registration Date	: 29-09-2022	Sampling Date	: 28-09-2022
Analysis Starting Date	: 29-09-2022	Analysis Completion Date	: 09-10-2022
Type of Sample	: Trade Effluent		
Method of testing	: As per APHA 23 rd edition and IS 3025 part-44.		
Sample collected by Vimta labs ltd as per IS:3025 (Pt 1)1987			

TEST REPORT

S. No.	Parameter	Test Methods	Observed Value	Unit
1.	pH	IS-3025 (Part-11): 1983 (RA2002)	7.89	-
2.	COD	IS-3025 (Part-58): 2006	11.5	mg/l
3.	BOD (3Days at 27°C)	IS-3025(Part-44):1993(RA2009)	3.0	mg/l
4.	Oil and Grease	IS-3025(Part-39):2006	<1	mg/l
5.	Phosphate	IS-3025(Part-75):2022	0.38	mg/l
6.	Total Suspended Solids	IS-3025(Part-17):2022	6.85	mg/l
7.	Copper (as Cu)	IS-3025(Part-65):2014	0.07	mg/l
8.	Zinc (as Zn)	IS-3025(Part-65):2014	0.51	mg/l
9.	Iron (as Fe)	IS-3025(Part-65):2014	0.35	mg/l
10.	Free available Chlorine	IS-3025(Part-26):1986	BDL	mg/l
11.	Total Chromium (Cr)	APHA 3125: 2017	BDL	mg/l

Results relate only to the sample tested


Dr. SubbaReddy Mallampati
Dy. Manager-Environment

BIRLA CORPORATION LIMITED:**Unit: Birla Cement Works & Chanderia Cement Works, Chanderia****FINANCIAL YEAR 2021 - 2022**

Details of CSR amount spent

Sr. No.	CSR Activities	Amount in Rs. Lacs
1	Integrated Livelihood Project-1: (Supporting to small, marginal & poor for livelihood enhancement)	33.29
2	Skill Development Project-2 (Skilling to poor women & unemployed youths)	6.41
3	Health, Water & Sanitation	25.76
4	Mother & Child Health Care Project-3 (Improving Nutritional, Health & hygiene practices)	10.45
5	Support on Covid-19	8.06
6	Education	21.70
7	Infrastructure Development	5.39
8	Environment	4.50
9	Community Outreach/Others	4.47
	Total	120.03

Environment Management SD Cell

