

CCW-II / SD / L-29 / 3306  
17.11.2023

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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 M/s New Chittor Cement Works  
(also known as Chanderia Cement Works, Unit-II) Distt.- 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,

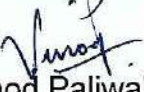
Please find enclosed the Environment Clearance compliance report of New Chittor Cement Works (also known as Chanderia Cement Works, Unit-II) for the period – April, 2023 to September, 2023.

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 2023

# ENVIRONMENT CLEARANCE COMPLIANCE STATUS REPORT PERIOD: APRIL 2023 TO SEPTEMBER 2023



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 <sup>st</sup> Apr. 2023 To 30 <sup>th</sup> Sep. 2023					



## ENVIRONMENTAL CLEARANCE - COMPLIANCE REPORT

### 1.2 MTPA CEMENT PLANT “New Chittor Cement Works”


(also known as Chanderia Cement Works Unit- II)

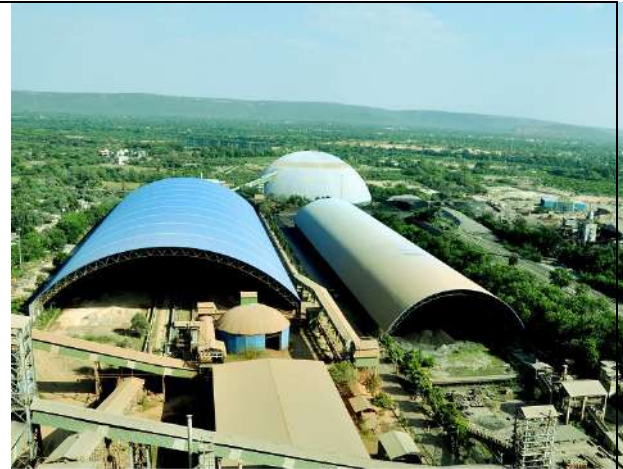
at Chanderia, Distt. Chittorgarh, Rajasthan

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

A.	Specific Conditions	Compliance Status
(i)	The company shall comply with all the commitments made during public hearing held on 17 <sup>th</sup> 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 <sup>st</sup> 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 abandoned captive mine pit is being used. Drinking water is also supplied to Chittorgarh city residents.  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 abandoned mine pit. The rainwater collected is being utilized for Plant operations & domestic purpose.  Company works on the principle of ‘Zero Liquid Discharge’ and no water is being released from our boundaries and 100% treated water is used for horticulture, plantation and spray on Kuccha area for purposefully.
	 <p style="text-align: center;"><b>Mines Pit</b></p>	 <p style="text-align: center;"><b>Sewage Treatment Plant (500 KLD)</b></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 <sup>3</sup> .	To ensure the stack emission levels within norms, we have installed Bag filters for Kiln, Raw Mill, Cement Mill, Coal Mill & ESP for Cooler and periodical & continuous measurement are being taken and the results displayed at RSPCB & CPCB website are well within the limits. Data enclosed as <b>Annexure-1</b> .
(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 &amp; CPCB servers.</p> <p>A fulltime contract has also being given to M/s Navco Eng Pvt Ltd &amp; M/s Indexel Engineering Pvt. Ltd. to continuously transfer the on-line data uninterruptedly to the RSPCB and CPCB sites as well as Plant main gate. Further the Unit monitoring team also regularly monitors the stack emissions along with E&amp;I team for all emissions well within the limits.</p> <div data-bbox="932 890 1528 1346">  </div> <p style="text-align: center;"><b>CEMS installed at Stacks</b></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.	Continuous Ambient Air Quality Monitoring Station (CAAQMS) have been installed at our plant & mines. Total 7 nos. of CAAQMS are existing & data is continuously uploaded at CPCB & RSPCB servers. Also, RSPCB has installed CAAQMS in the Chittorgarh city area.




(viii)	<p>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.</p>	<p>Unit is following the fugitive emission guidelines by CPCB &amp; emissions are regularly monitored as per the prescribed schedule.</p> <p>Bag filters installed at all packing machines. Facemask, hand gloves, safety shoes and helmets are provided to workmen.</p> <p>All the Packing Plant Bagging section are provided with most efficient Bag Filters. Bag filters are periodically maintained by the Inspection &amp; Maintenance team at Plant level. Further the efficiency of the Bag filter is monitored &amp; inspection is done periodically. Unit has also carried out Health &amp; Hygiene survey by M/s Arvind Associates, Raipur for QLEA &amp; QNEA for the workmen. The report depicts that there are no significant impacts on the health of workman.</p>
(ix)	<p>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.</p>	<p>Bag filters wherever required has been provided. All raw material are stored in covered sheds.</p> <div data-bbox="927 1037 1549 1503">  </div> <p style="text-align: center;"><b>Covered Shed for Raw Materials</b></p>
(x)	<p>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.</p>	<p>The internal roads are concreted and allotted six nos. water sprinkling tankers for dust suppression and 6 nos. vacuum cleaners for cleaning of roads. Continuous monitoring of operation of them is undertaken by internal Emission Control teams.</p>

	 <p style="text-align: center;"><b>Road Sweeper</b></p>	 <p style="text-align: center;"><b>Water Tanker</b></p>
(xi)	<p>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.</p>	<p>Housekeeping is maintained as per the prescribed schedule. Unit also performed Health &amp; Hygiene survey by M/s Arvind Associates, Raipur.</p> <p>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 <b>Annexure – 2</b>.</p>
(xii)	<p>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>	<p>A Environment Lab is developed with sufficient, qualified &amp; experienced manpower for regular monitoring. All laboratory staff are Graduate &amp; Post graduate in Environment sciences and are well qualified &amp; trained to perform different monitoring &amp; analysis of emission and effluent parameters. Unit is ISO14001 certified from BVQI and maintains the prescribed standards.</p> <div style="text-align: right;">  </div> <p style="text-align: center;"><b>Environment Lab</b></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 and 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, Waste mix solid &amp; liquid, Textile industry sludge, FMCG, RDF &amp; plastic waste etc.</p> <p>A dedicated AFR cell operates at Corporate &amp; Unit level for utilization of various type of Hazardous as well as Non-hazardous Waste being generated from other industries.</p> <p>Company has invested around 100 Cr. for installation of AFR feeding facilities. Both liquid as well as Solid Waste are being utilized for co-processing. At present the TSR is around 7% and will lead 15% up to 2024.</p> <div data-bbox="909 1438 1485 1801" data-label="Image"> </div> <p><b>Storage &amp; Feeding Area</b></p>





(xvii)	<p>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.</p>	<p>All the raw materials are transported in closed bulkers and trucks. Vehicles are maintained in good conditions. Further to reduce our Carbon footprints in terms of scope 3 emissions, we have initiated transportation of bulk product i.e. Cement dispatch through Concor by Rail. The loose cement is packed in jumbo bags and filled in rail concor and sold to remote areas for sales.</p> <div data-bbox="911 489 1539 856">  </div> <p><b>Cement dispatch through Concor by Rail</b></p>
(xviii)	<p>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</p>	<p>A dense greenbelt has been developed in the vicinity of plant and colony. The total area covered under greenbelt is 79 Hectare, out of 207.25 Hectare with local and different species, around 1.12 Lac trees are flourishing mainly and covering area around 38%. Various species such as <i>Azadirachta indica</i>, <i>Ficus benghalensis</i>, <i>Ficus religiosa</i>, <i>Mangifera indica</i>, <i>Phyllanthus emblica</i>, <i>Annona squamosa</i> &amp; <i>Aegle marmelos</i> etc. are flourishing in and our operations as well as residential areas.</p>
		

		
(xix)	<p>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.</p>	<p>We have 3 Nos. Occupational health centers with all emergency medicines and ambulance - looked after by a full time MBBS Doctors. 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 &amp; Quantitative Health impact assessment from Arvind Industrial Hygiene Consultancy, Raipur for its workmen. Company is being operating M.P. Birla Hospital in the Chittorgarh city with 150 Bed facilities having multi-specialty doctors round the clock.</p> <div data-bbox="948 987 1461 1365">  </div> <p><b>Advance Life support Ambulance</b></p>
(xx)	<p>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.</p>	<p>NOC had been obtained from SPCB and submitted to MoEF&amp;CC prior to E.C. as per 1994 Notification.</p>
(xxi)	<p>All the recommendations mentioned in the Corporate Responsibility for Environment Protection (CREP) guidelines for the cement plant shall be followed and complied.</p>	<p>The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants has been implemented.</p>

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 & CPCB.
(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 <sub>2</sub> , NO <sub>x</sub> ) 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.	<p>Unit is maintaining PM, SO<sub>2</sub> &amp; NO<sub>x</sub> emissions within the prescribed limits of MoEF&amp;CC Gazette notification for Cement Plant. As per the guidelines issued by CPCB during 2017 on Continuous Emission &amp; Monitoring System, unit has installed CEMS during 2015 for continuous monitoring.</p> <p>The data are continuously being transferred to SPCB and CPCB as well as displayed at unit main gate. The Environment Department &amp; Instrumentation Department regularly perform the inspection of all the analyzers periodically. The analyzers of emissions are calibrated &amp; emissions are well within the prescribed limits. The emissions control equipment are well maintained by the Inspection &amp; maintenance teams. Regular inspection &amp; maintenance of pollution control equipment like Bag filter/ Bag Houses and ESPs are done regularly.</p>
(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. All the semi-product or product or by-product are used in system and closely monitored.
	➤ Use of “Closed pneumatic” system for transport of fine material	Closed pneumatic system is provided for transfer of fine coal, raw meal, flyash, and cement in the Unit.
	➤ All venting systems shall be connected with dust arresting equipments.	Dust collectors are provided at all venting points with efficient Bag filters to minimize any emissions.
	➤ Dust collect in pollution control equipments shall be reused.	Dust collected is recirculated in the process by closed pneumatic systems in the unit.



(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.	Unit follows the CPCB guideline on fugitive emission control in the cement manufacturing process. Regular monitoring of fugitive emission is being carried out at identified locations in the plant i.e. Packing plant, Coal Mill, Raw Mill, Storage yard etc.
(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).	<p>Necessary control equipment have been provided in all the machinery &amp; equipment for control of noise. Regular maintenance is being done of all the equipment with qualified teams.</p> <p>Periodical measurements are being taken and the results are well within the limits. Data enclosed as <b>Annexure - 3</b>.</p>
(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. Around 64 types of various Hazardous Waste permission has been obtained for co-incineration in the unit. A dedicated AFR Solid & Liquid feeding system has been developed.
(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 recharge measures/systems inside plant, mines & colony for harvesting of rain water. The abandoned mines pit is being collected with rainwater and nearby area water level is also at ground level & water is available round the year for different activities for nearby village people also.
	 <p><b>Rooftop rain water recharge well</b></p>	 <p><b>Rooftop rain water harvesting board</b></p>



(ix)	<p>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.</p>	<p>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 our stakeholders in nearby communities. By our different initiatives 15,889 nos. of community members have been benefited so far in FY 2022-23. Various village level as well as urban level committees are being formulated for the development of nearby communities. Unit has separate policy on CSR and CSR activities are being organized under five main categories as under:</p> <ul style="list-style-type: none"> <li>➤ Education</li> <li>➤ Health &amp; Water</li> <li>➤ Skill Development of Youth &amp; Women</li> <li>➤ Development of Rural Infrastructure</li> <li>➤ Livelihood Enhancement</li> </ul> <p>The dedicated Sustainable Development team organizes various village level program for overall development of people. Plantation drives are conducted in nearby villages for overall community development. Various NGOs are also engaged to directly outlook upon the CSR development program. Local village people directly interact with NGO to implement various social activities for overall development of village. Attached as Annexure – 8.</p>
(x)	<p>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.</p>	<p>Noted for compliance.</p> <p>Fund availability is not the constraints for Environment &amp; Safety proposals. The annual Budget for both Opex as well as Capex is formulated &amp; Board approves the same. The Budget is monitored by unit Commercial team &amp; allocated fund are being utilized.</p>

(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-fledged Environment Cell with dedicated Lab with qualified manpower headed by GM, Sustainable Development for Environment management and monitoring has been established by the unit as under:</p> <table border="1" data-bbox="911 342 1502 682"> <tr> <td colspan="3">Manpower engaged:</td></tr> <tr> <td>General Manager (Sustainable Development)</td><td>:</td><td>01</td></tr> <tr> <td>Sr. Manager</td><td>:</td><td>01</td></tr> <tr> <td>Manager</td><td>:</td><td>02</td></tr> <tr> <td>Dy. Manager</td><td>:</td><td>02</td></tr> <tr> <td>Assistants</td><td>:</td><td>04</td></tr> <tr> <td>Drivers</td><td>:</td><td>07</td></tr> </table> <p>Environment Management cell setup enclosed as Annexure – 9.</p>	Manpower engaged:			General Manager (Sustainable Development)	:	01	Sr. Manager	:	01	Manager	:	02	Dy. Manager	:	02	Assistants	:	04	Drivers	:	07
Manpower engaged:																							
General Manager (Sustainable Development)	:	01																					
Sr. Manager	:	01																					
Manager	:	02																					
Dy. Manager	:	02																					
Assistants	:	04																					
Drivers	:	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 compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	<p>Complied with Six monthly compliance report was sent to all concerned authorities vide letter no. CCW-II/SD/L-29/478 dtd 08.05.2023.</p> <p>Further six monthly compliance report is also being sent to CPCB / SPCB / MoEF&amp;CC, Zonal office and also posted at Company's website: <a href="https://birlacorporation.com">https://birlacorporation.com</a></p>																					
(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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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, same has been advertised within seven days from the clearance in 2 local newspaper widely circulated in the region.																					
(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 11<sup>th</sup> September, 2012

A.	Specific Conditions	Compliance Status
(i)	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/Nm <sup>3</sup> 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>Complied with.</p> <p>Continuous emission monitoring system provided at all the stacks and APCE are upgraded to meet norms of PM 30 mg/Nm<sup>3</sup>. Low NOx burner provided to control NOx emission. Monitoring data for plant in operation are attached as <b>Annexure – 1</b>.</p>  <p><b>Stack Monitoring</b></p>
(ii)	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>Ambient Air Quality monitoring data enclosed as <b>Annexure - 4</b>.</p>  <p><b>AAQ Monitoring</b></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.	<p>Unit is following the fugitive emission guidelines by CPCB &amp; emissions are regularly monitored.</p> <p>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>
	 <p style="text-align: center;"><b>Fogging System</b></p>	 <p style="text-align: center;"><b>Micro mist water Spray System</b></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. For control of vehicular emission, unit periodically conduct maintenance and checking of PUC of all vehicles. PUC certificates enclosed as <b>Annexure - 5</b>.</p>  <p style="text-align: center;"><b>Flyash Tanker / Bulker</b></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 <b>Annexure - 6</b> .



(vi)	<p>Total water requirement shall not exceed 2,530 m<sup>3</sup>/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>	<p>We have captive source of water in our premises by collecting rainwater in our abandoned mine pit. The rainwater collected is being utilized for Plant operations &amp; domestic purpose. Further, we are also supplying drinking water in association of PHED, Chittorgarh, Rajasthan to the residents of Chittorgarh city for drinking as well as their utility purpose.</p> <p>Company works on the principle of 'Zero Liquid Discharge' and no water is being released from our boundaries and 100% treated water is used for horticulture, plantation and spray on Kuccha area for purposefully.</p>
	 <p style="text-align: center;"><b>Mines Pit</b></p>	 <p style="text-align: center;"><b>Sewage Treatment Plant (500 KLD)</b></p>
(vii)	<p>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.</p>	<p>Rainwater collected in abandoned mine pit 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.</p>
(viii)	<p>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.</p>	<p>To ensure the quality of treated water periodic analysis are being done. Water quality data is enclosed as <b>Annexure – 7</b>.</p>

(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 / reproducers only.	The dust collected in APCE are re-circulated in the process and used oil & batteries are being sold to authorized recyclers / reproducers.
(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 2022-23 we have utilized 10,62,586 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, around 64 types of various Hazardous Waste permission has been obtained for co-incineration in the unit. A dedicated AFR Solid & Liquid feeding system has been developed.
(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.	A dense greenbelt has been developed in the vicinity of plant and colony. The total area covered under greenbelt is 79 Hectare, out of 207.25 Hectare with local and different species, around 1.12 Lac trees are flourishing mainly and covering area around 38%. Various species such as <i>Azadirachta indica</i> , <i>Ficus benghalensis</i> , <i>Ficus religiosa</i> , <i>Mangifera indica</i> , <i>Phyllanthus emblica</i> , <i>Annona squamosa</i> & <i>Aegle marmelos</i> etc. are flourishing in and our operations as well as residential areas.
(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 &amp; hygiene, educational support, drinking water facilities, supply &amp; 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 &amp; Safety proposals. The detailed report of FY 2022-23 is attached as <b>Annexure - 8</b>.</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 2022-23 is Rs 7.29 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)	<p>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.</p>	<p>Unit is maintaining PM, SO<sub>2</sub> &amp; NO<sub>x</sub> emissions within the prescribed limits of MoEF&amp;CC Gazette notification for Cement Plant. As per the guidelines issued by CPCB during 2017 on Continuous Emission &amp; Monitoring System, unit has installed CEMS during 2015 for continuous monitoring.</p> <p>The data are continuously being transferred to SPCB and CPCB as well as displayed at unit main gate. The Environment Department &amp; Instrumentation Department regularly perform the inspection of all the analyzers periodically. The analyzers of emissions are calibrated &amp; emissions are well within the prescribed limits. The emissions control equipment are well maintained by the Inspection &amp; maintenance teams. Regular inspection &amp; maintenance of pollution control equipment like Bag filter/ Bag Houses and ESPs are done regularly.</p> <div data-bbox="938 1272 1528 1730">  </div> <p style="text-align: center;"><b>CEMS installed at Stacks</b></p>



(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 <b>Annexure - 3</b>.</p> <div data-bbox="922 443 1511 793">  </div> <p style="text-align: center;"><b>Acoustic Enclosure</b></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. We have 3 Nos. Occupational health centers with all emergency medicines and ambulance - looked after by a full time MBBS Doctors. 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 &amp; Quantitative Health impact assessment from Arvind Industrial Hygiene Consultancy, Raipur for its workmen. Company is being operating M.P. Birla Hospital in the Chittorgarh city with 150 Bed facilities having multi-specialty doctors round the clock.</p> <div data-bbox="922 1493 1511 1877">  </div> <p style="text-align: center;"><b>Health Checkup Camp</b></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 recharge measures/systems inside plant, mines & colony for harvesting of rain water. The abandoned mines pit is being collected with rainwater and nearby area water level is also at ground level & water is available round the year for different activities for nearby village people also.
	 <p style="text-align: center;"><b>Rooftop rain water recharge well</b></p>	 <p style="text-align: center;"><b>Rooftop rain water harvesting board</b></p>
(viii)	Proper housekeeping and adequate occupational health programmes shall be taken up as per the Factory Act.	<p>Housekeeping is maintained as per the prescribed schedule. Unit also performed Health &amp; Hygiene survey by M/s Arvind Associates, Raipur.</p> <p>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 <b>Annexure – 2</b>.</p>

(ix)	<p>The company shall undertake eco-development measures including community welfare measures in the project area.</p>	<p>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 our stakeholders in nearby communities. By our different initiatives 15,889 nos. of community members have been beneficated so far in FY 2022-23. Various village level as well as urban level committees are being formulated for the development of nearby communities. Unit has separate policy on CSR and CSR activities are being organized in categories as under:</p> <ul style="list-style-type: none"> <li>• Health Care</li> <li>• Rural Infrastructure</li> <li>• Education</li> <li>• Agriculture &amp; Livelihood development initiatives</li> <li>• Skill development initiatives</li> <li>• Plantation activities in communities</li> <li>• Rainwater Harvesting measures</li> <li>• Women Empowerment</li> </ul> <p>The dedicated Sustainable Development team organizes various village level program for overall development of people. Plantation drives are conducted in nearby villages for overall community development. Various NGOs are also engaged to directly outlook upon the CSR development program. Local village people directly interact with NGO to implement various social activities for overall development of village. Attached as Annexure – 8.</p>
	<div data-bbox="264 1444 659 1787">  </div> <div data-bbox="683 1444 1076 1787">  </div> <div data-bbox="1101 1444 1495 1787">  </div> <p style="text-align: center;"><b>Agriculture Interventions by Agri. Machineries</b></p>	





**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 dedicated Lab with qualified manpower headed by GM, Sustainable Development for Environment management and monitoring has been establish by the unit as under:</p> <table border="1" data-bbox="922 365 1511 705"> <tr> <td colspan="3">Manpower engaged:</td></tr> <tr> <td>General Manager (Sustainable Development)</td><td>:</td><td>01</td></tr> <tr> <td>Sr. Manager</td><td>:</td><td>01</td></tr> <tr> <td>Manager</td><td>:</td><td>02</td></tr> <tr> <td>Dy. Manager</td><td>:</td><td>02</td></tr> <tr> <td>Assistants</td><td>:</td><td>04</td></tr> <tr> <td>Drivers</td><td>:</td><td>07</td></tr> </table> <p>Environmental Management Cell setup enclosed as Annexure - 9</p>	Manpower engaged:			General Manager (Sustainable Development)	:	01	Sr. Manager	:	01	Manager	:	02	Dy. Manager	:	02	Assistants	:	04	Drivers	:	07
Manpower engaged:																							
General Manager (Sustainable Development)	:	01																					
Sr. Manager	:	01																					
Manager	:	02																					
Dy. Manager	:	02																					
Assistants	:	04																					
Drivers	:	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. The annual Budget for both Opex as well as Capex is formulated & Board approves the same. The Budget is monitored by unit Commercial team & allocated fund are being utilized.																					
(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.	Compiled with
(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.	<p>Complied with</p> <p>Six monthly compliance report was sent to all concerned authorities vide letter no. CCW-II/SD/L-29/478 dtd 08.05.2023.</p> <p>Further six monthly compliance report is also being sent to CPCB / SPCB / MoEF&amp;CC, Zonal office and also posted at Company's website: <a href="https://birlacorporation.com">https://birlacorporation.com</a>.</p>
(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.	<p>Complied with</p> <p>Environmental Statement for financial year ending 31<sup>st</sup> March 2023 sent to all concerned vide letter no.- CCW-II/Env/L-8/1652 dated 23.08.2023.</p>
(xvii)	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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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.	Complied, same has been advertised within seven days from the clearance in 2 local newspaper widely circulated in the region.

# Annexure - 1

Sample Number : VTL/S/13  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/S/2310120013/A  
Format No : 7.8 F-03  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

**General Information:-**

Sampling Location : Kiln +Raw Mill, CCW-II (New Chittor Cement Works)  
Sample Collected By : VTL Team  
Date of Sampling : 10/10/2023 To 10/10/2023  
Sampling duration (Minutes) : 27 Min. (09:25 to 09:52 Hrs.)  
Stack attached to : Bag House  
Make of stack : MS  
Diameter of stack(m) : 5.30 M  
Height of stack(m) : 110.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 33  
Temperature of Stack Gases - Ts (°C) : 133  
Velocity of Stack Gases (m/sec.) : 12.10  
Flow rate of PM (LPM) : 38  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	5.68	mg/Nm3	30
2	Sulphur Dioxide (SO <sub>2</sub> ) at 10% O <sub>2</sub>	IS: 11255(P- 2): 1985, RA.2019	2.15	mg/Nm3	100
3	Carbon Dioxide (CO <sub>2</sub> )	USEPA 3A: 1989	20.62	%	--
4	Oxygen	USEPA 3A: 1989	11.26	%	--
5	Oxide of Nitrogen (NO <sub>2</sub> )	IS-11255 (P-7), RA 2017	500.23	mg/Nm3	800

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*



Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory



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**TEST REPORT**

Sample Number : VTL/S/13

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/S/2310120013/B

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 18/10/2023

Period of Analysis : 12/10/2023-18/10/2023

Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

**General Information:-**

Sampling Location : Kiln +Raw Mill, CCW-II (New Chittor Cement Works)  
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Diameter of stack(m) : 5.30 M  
Height of stack(m) : 110.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 33  
Temperature of Stack Gases - Ts (°C) : 133  
Velocity of Stack Gases (m/sec.) : 12.10  
Flow rate of PM (LPM) : 38  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	PM- CEMS	By OCEMS	5.12	mg/Nm3	--
2	Gaseous CEMS Sulphur Dioxide (So2) At 10% O2	By OCEMS	2.38	mg/Nm3	--
3	Gaseous CEMS Oxide of Nitrogen (Nox) At 10% O2	By OCEMS	508.33	mg/Nm3	--

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*

Checked by  
*Prish*RK Yadav  
Lab Incharge  
Authorized Signatory*[Signature]*

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## TEST REPORT



Sample Number : VTL/S/14

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/S/2310120014/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 18/10/2023

Period of Analysis : 12/10/2023-18/10/2023

Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

### General Information:-

Sampling Location : Cooler, CCW Unit-II (New Chittor Cement Works)  
Sample Collected By : VTL Team  
Date of Sampling : 09/10/2023 To 09/10/2023  
Sampling duration (Minutes) : 35 Min. (15:35 to 16:10 Hrs.)  
Stack attached to : BDC  
Make of stack : MS  
Diameter of stack(m) : 3.75 M  
Height of stack(m) : 62.52 M.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 34  
Temperature of Stack Gases - Ts (°C) : 142  
Velocity of Stack Gases (m/sec.) : 9.14  
Flow rate of PM (LPM) : 28  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	9.25	mg/Nm3	30
2	Moisture	IS-11255 (P-3), RA 2018	0.96	%	--

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*

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Lab Incharge  
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**VIBRANT***"Experience the unimaginable"***TEST REPORT****Sample Number :** VTL/S/14**Name & Address of the Party :** M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan**Report No. :** VTL/S/2310120014/B**Format No :** 7.8 F-03**Party Reference No :** NIL**Report Date :** 18/10/2023**Period of Analysis :** 12/10/2023-18/10/2023**Receipt Date :** 12/10/2023**Sample Description :** Stack Emission Monitoring**General Information:-**

**Sampling Location :** Cooler, CCW Unit-II (New Chittor Cement Works)  
**Sample Collected By :** VTL Team  
**Date of Sampling :** 09/10/2023 To 09/10/2023  
**Sampling duration (Minutes) :** 35 Min. (15:35 to 16:10 Hrs.)  
**Stack attached to :** BDC  
**Make of stack :** MS  
**Diameter of stack(m) :** 3.75 M  
**Height of stack(m) :** 62.52 M.  
**Instrument calibration status :** Calibrated  
**Meteorological Condition :** Clear Sky  
**Ambient Temperature - Ta (°C) :** 34  
**Temperature of Stack Gases - Ts (°C) :** 142  
**Velocity of Stack Gases (m/sec.) :** 9.14  
**Flow rate of PM (LPM) :** 28  
**Flow rate of Gas (LPM) :** 2.0  
**Sampling condition :** OK  
**Protocol used :** IS 11255 & USEPA  
**Coordinates :** --

S.No.	Parameters	Test Method	Results	Units	Limits
1	PM -CEMS	By OCEMS	9.01	mg/Nm3	--

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*

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Bish



RK Yadav  
Lab Incharge  
Authorized Signatory

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Sample Number : VTL/S/15  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/S/2310120015/A  
Format No : 7.8 F-03  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

**General Information:-**

Sampling Location : Coal Mill VRM, CCW Unit-II (New Chittor Cement Works)  
Sample Collected By : VTL Team  
Date of Sampling : 10/10/2023 To 10/10/2023  
Sampling duration (Minutes) : 29 Min. (15:25 to 15:54 Hrs.)  
Stack attached to : BDC  
Make of stack : MS  
Diameter of stack(m) : 2.0 M  
Height of stack(m) : 55.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 34  
Temperature of Stack Gases - Ts (°C) : 66  
Velocity of Stack Gases (m/sec.) : 9.43  
Flow rate of PM (LPM) : 29  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	18.50	mg/Nm3	30

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*



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Sample Number : VTL/S/15  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/S/2310120015/B  
Format No : 7.8 F-03  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

**General Information:-**

Sampling Location : Coal Mill VRM, CCW Unit-II (New Chittor Cement Works)  
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Temperature of Stack Gases - Ts (°C) : 66  
Velocity of Stack Gases (m/sec.) : 9.43  
Flow rate of PM (LPM) : 29  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	PM -CEMS	By OCEMS	19.46	mg/Nm3	--

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*



*Prish*  
Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory

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Page No. 1/1

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SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/S/16  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/S/2310120016/A  
Format No : 7.8 F-03  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

**General Information:-**

Sampling Location : Cement Mill, CCW Unit-II (New Chittor Cement Works)  
Sample Collected By : VTL Team  
Date of Sampling : 09/10/2023 To 09/10/2023  
Sampling duration (Minutes) : 27 Min. (09:00 to 09:27 Hrs.)  
Stack attached to : BDC  
Make of stack : MS  
Diameter of stack(m) : 1.0 M  
Height of stack(m) : 40.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 33  
Temperature of Stack Gases - Ts (°C) : 109  
Velocity of Stack Gases (m/sec.) : 11.06  
Flow rate of PM (LPM) : 37  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	6.83	mg/Nm3	30

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*

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Checked by  
*[Signature]*



RK Yadav  
Lab Incharge  
Authorized Signatory  
*[Signature]*



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## TEST REPORT

Sample Number : VTL/S/16  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/S/2310120016/B  
Format No : 7.8 F-03  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

**General Information:-**

Sampling Location : Cement Mill, CCW Unit-II (New Chittor Cement Works)  
Sample Collected By : VTL Team  
Date of Sampling : 09/10/2023 To 09/10/2023  
Sampling duration (Minutes) : 27 Min. (09:00 to 09:27 Hrs.)  
Stack attached to : BDC  
Make of stack : MS  
Diameter of stack(m) : 1.0 M  
Height of stack(m) : 40.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 33  
Temperature of Stack Gases - Ts (°C) : 109  
Velocity of Stack Gases (m/sec.) : 11.06  
Flow rate of PM (LPM) : 37  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	PM- CEMS	By OCEMS	6.63	mg/Nm3	--

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*

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*[Signature]*



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Lab Incharge  
Authorized Signatory  
*[Signature]*

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Sample Number : VTL/S/17

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

**TEST REPORT**

TC-11227

Report No. : VTL/S/2310120017/A  
Format No : 7.8 F-03  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

**General Information:-**

Sampling Location : Cement Mill Roller Press, CCW Unit-II (New Chittor Cement Works)  
Sample Collected By : VTL Team  
Date of Sampling : 09/10/2023 To 09/10/2023  
Sampling duration (Minutes) : 22 Min. (10:30 to 10:52 Hrs.)  
Stack attached to : BDC  
Make of stack : MS  
Diameter of stack(m) : 2.0 M  
Height of stack(m) : 65.0 M.  
Instrument calibration status : Calibrated  
Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 34  
Temperature of Stack Gases - Ts (°C) : 85  
Velocity of Stack Gases (m/sec.) : 12.54  
Flow rate of PM (LPM) : 45  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	1.23	mg/Nm3	30
2	Moisture	IS-11255 (P-3), RA 2018	0.71	%	--

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*

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Checked by  
*[Signature]*



RK Yadav  
Lab Incharge  
Authorized Signatory  
*[Signature]*



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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number : VTL/S/17

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 RajasthanReport No. : VTL/S/2310120017/B  
Format No : 7.8 F-03  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : Stack Emission Monitoring

**General Information:-**

Sampling Location : Cement Mill Roller Press, CCW Unit-II (New Chittor Cement Works)  
Sample Collected By : VTL Team  
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Height of stack(m) : 65.0 M.  
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Meteorological Condition : Clear Sky  
Ambient Temperature - Ta (°C) : 34  
Temperature of Stack Gases - Ts (°C) : 85  
Velocity of Stack Gases (m/sec.) : 12.54  
Flow rate of PM (LPM) : 45  
Flow rate of Gas (LPM) : 2.0  
Sampling condition : OK  
Protocol used : IS 11255 & USEPA  
Coordinates : --

S.No.	Parameters	Test Method	Results	Units	Limits
1	PM -CEMS	By OCEMS	1.45	mg/Nm3	--

\*BLQ= Below Limit Of Quantification, \*\*LOQ= Limit Of Quantification

\*\*\*End of Report\*\*\*

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*MD Nish*  
Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory

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# Annexure - 2

4237/1701

## Audiometric Evaluation Report

Patient:

Vidhyasagar Sharma  
Male  
60 Years 2 Months

Session Date : 8/3/2023 9:04:08 PM

Audiometry conducted by:

MP BIRLA HOSPITAL & RESEARCH CENTRE

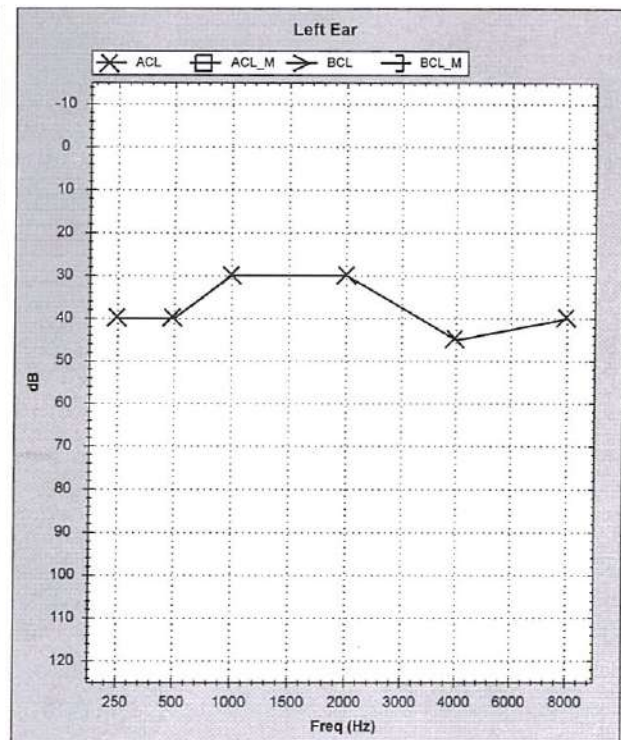
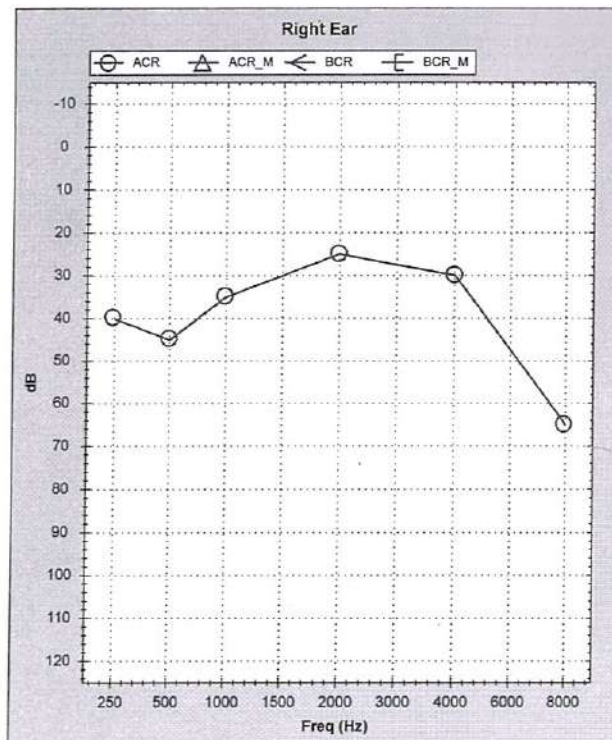
Comments:

B/C Both Ear mild Hearing Loss

*Prakash Kumar*  
Authorized Signatory  
BASLP, MASLP  
Dept. of Audiology

PTA-35 dBm

PTA-35 dBm



Recommendation → Care of ear  
→ Follow up

## HAEMATOLOGY

Patient Name	: MR. VIDHYADHAR SHARMA-5646	IP / OP No	: 1001381
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 60 Y 2 M 25 D
Class	: OPD	Vch No	: 1513484
Current Loc	:	Received Dt	: 04/08/2023 02:38 PM
Sample No	: 23061042	Reported On	: 04/08/2023 05:00 PM


### EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

TEST NAME	VALUE	UNITS	REF. RANGE
HAEMOGLOBIN	15.7	g/dl	13.0 - 17.0
RBC Count	4.84	10 <sup>6</sup> /ul	4.5 - 5.5
Haematocrit (P.C.V.)	43.8	%	40.0 - 50.0
Mean Corpuscular Vol (MCV)	90.4	fL	83.0 - 102.0
Mean Corpuscular Hb.(MCH)	32.4	pg	27.0 - 32.0
Mean Corp.HB.Con (MCHC)	35.8	g/dl	31.5 - 34.5
WBC COUNT	7,350	/cmm	4000 - 10000
<b>DIFFERENTIAL COUNT</b>			
Neutrophils	42	%	40 - 80
Lymphocytes	48	%	20 - 40
Eosinophil	4	%	1 - 6
Monocytes	6	%	2 - 10
Basophils	0	%	0 - 2
PLATELET COUNT	3.45	lakh/cu mm	1.5 - 4.2
RDW - CV	14.0	%	
RDW - SD	41		
MPV	7		

Error: Subreport could not be shown.

-----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**  
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RMC 43723/18167

Authorised

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

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## HAEMATOLOGY

Patient Name	: MR. VIDHYADHAR SHARMA-5646	IP / OP No	: 1001381
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 60 Y 2 M 25 D
Class	: OPD	Vch No	: 1513484
Current Loc	:	Received Dt	: 04/08/2023 02:38 PM
Sample No	: 23061042	Reported On	: 04/08/2023 05:00 PM

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

BLOOD GROUP "B"

AGGLUTINATION METHOD.

RH TYPE Positive

Error: Subreport could not be shown.

-----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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RMC 43723/18167

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## BIOCHEMISTRY

Patient Name	: MR. VIDHYADHAR SHARMA-5646	IP / OP No	: 1001381
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 60 Y 2 M 25 D
Class	: OPD	Vch No	: 1513484
Current Loc	:	Received Dt	: 04/08/2023 02:38 PM
Sample No	: 23061043	Reported On	: 04/08/2023 05:01 PM

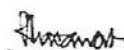
### EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

TEST NAME	VALUE	UNITS	REF. RANGE
BLOOD UREA <i>Kinetic ( Urease/GLDH)</i>	16.0	mg/dl	19 - 55
CREATININE <i>( Jaffe )</i>	0.7	mg/dl	0.70 - 1.40

Error: Subreport could not be shown.

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

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

## BIOCHEMISTRY

Patient Name	: MR. VIDHYADHAR SHARMA-5646	IP / OP No	: 1001381
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 60 Y 2 M 25 D
Class	: OPD	Vch No	: 1513484
Current Loc	:	Received Dt	: 04/08/2023 02:38 PM
Sample No	: 23061043	Reported On	: 04/08/2023 05:01 PM

LFT			
TEST NAME	VALUE	UNITS	REF. RANGE
S.G.O.T ( IFCC Without Pyridoxal Phosphate.)	22.3	U/L	0 - 50
S.G.P.T ( IFCC Without Pyridoxal Phosphate.)	17.8	U/L	0 - 50
TOTAL BILIRUBIN ( Diazo Special )	0.8	mg/dl	Upto 1.4
DIRECT BILIRUBIN ( Diazo Malloy )	0.2	mg/dl	0 - 0.2
INDIRECT BILIRUBIN (Calculated)	0.6		
TOTAL PROTEIN Biuret	8.3	g/dL	6.6 - 8.3
ALBUMIN ( BCG )	4.4	gms/dl	3.5 - 5.2
GLOBULIN CALCULATED	3.9	gm/dL	
A/G RATIO (Calculated)	1.1	%	
ALKALINE PHOSPHATASE ( IFCC )	90	U/L	30 - 120
GAMMA GT (GGT)	73.7	U/L	0 - 55

Error: Subreport could not be shown.

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

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RMC 43723/18167

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

## BIOCHEMISTRY

Patient Name	: MR. VIDHYADHAR SHARMA-5646	IP / OP No	: 1001381
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 60 Y 2 M 25 D
Class	: OPD	Vch No	: 1513484
Current Loc	:	Received Dt	: 04/08/2023 02:38 PM
Sample No	: 23061043	Reported On	: 04/08/2023 05:01 PM

LIPID PROFILE			
TEST NAME	VALUE	UNITS	REF. RANGE
CHOLESTEROL <i>CHOD-POD</i>	182	mg/dl	0 - 200
TRIGLYCERIDES <i>(GPO-POD)</i>	214	mg/dl	0 - 150
HDL CHOLESTEROL	35	mg/dl	23 - 92
LDL CHOLESTEROL <i>CALCULATED</i>	104	mg/dl	0 - 100
VLDL <i>CALCULATED</i>	42.8	mg/dl	< 30
CHOL/HDL RATIO	5.2	mg/dl	3.40 - 4.40


Error: Subreport could not be shown.

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

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

## BIOCHEMISTRY

Patient Name	: MR. VIDHYADHAR SHARMA-5646	IP / OP No	: 1001381
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 60 Y 2 M 25 D
Class	: OPD	Vch No	: 1513484
Current Loc	:	Received Dt	: 04/08/2023 02:38 PM
Sample No	: 23061044	Reported On	: 04/08/2023 05:01 PM

### EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

TEST NAME	VALUE	UNITS	REF. RANGE
PLASMA GLUCOSE RANDOM	120	mg/dl	70 - 140

Error: Subreport could not be shown.

-----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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Patient Name	: MR. VIDHYADHAR SHARMA-5646	IP / OP No	: 1001381
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 60 Y 2 M 25 D
Class	: OPD	Vch No	: 1513484
Current Loc	:	Received Dt	: 04/08/2023 02:38 PM
Sample No	: 23061045	Reported On	: 04/08/2023 04:46 PM

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

Birla Hospital Road, Senth, Chittorgarh -312025 (Raj.) Contact No.- 01472-260111, 9530388881  
Email : [admin@mpbirlahospitalchittor.com](mailto:admin@mpbirlahospitalchittor.com), Website : [www.mpbirlahospitalchittor.com](http://www.mpbirlahospitalchittor.com)



**FORM 19** (Prescribed under Rule 65-SS)

**Health Register**

Employee code :- 6237  
Name :- Vidhush Sharma Email :- Vidhush@birlagroup.co  
Designation :- Time Asst manager (Pen)  
Department :- Time office  
Contractor :-

**PERIODICAL MEDICAL EXAMINATION**

**Part-1 (General physical examination)**

Identification Mark.....

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

2. Height.....Cms 174

3. Weight.....kg. 78.1

**4 Eyes:**

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

Right eye 6/6

Left eye 6/6

(ii) Any organic disease of eyes..... No

(iii) Night blindness..... No

(iv) Color blindness..... No

(v) Squint..... No

**(5) Ears**

(I) Hearing: right ear..... (N) Left ear..... (N)

(II) Any organic diseases..... nil

**6. Respiratory system**

Chest measurement:

(i) After full inspiration..... 42 cms.

(ii) After full expiration..... 41 cms.

**7. Circulatory system:**

Blood Pressure..... 178/98 159/93

Pulse..... 84 61 mm Res

Part -2

**Investigation and reports**

1.Result of Pulmonary function test (spirometry)

Parameters	Predicted value	Performed Value	% of Predicted
Forced vital capacity (FVC)	N		N
Forced expiratory volume 1 sec (FEV <sub>1</sub> )			
FEV <sub>1</sub> /FEC			

Enclosed PFT Report:-

2. Cardiological Assessment :-

Auscultation	N
ECG finding	

Enclosed ECG Report:-

3 Audiometry finding:-

Conduction type	Left Ear	Right Ear
Ear conduction	N	N
Bone conduction		

Enclosed Audiometry report:-


4 Blood Investigations:-

Blood Hb,RBC,TLC,Platelets	N
Random Blood Sugar	
Lipid Profile	
Blood Urea , Creatinine	
LFT (Liver function test)	
Urine Routine	
Blood group	

Enclosed Blood Reports:-

5 Chest Radiograph:-




**Dr. Leksha Gnandev Phutane**  
 M.B.B.S. (Medical Officer)  
 P.M.C Reg. No. - 39716  
 Biria Hospital & Research Centre  
 Sakti, Chitorgarh (Raj.) 312025  
 Signature and seal of the examining authority

Part- 3

**Periodic medical examination**

स्व-घोषणा प्रपत्र

स्वास्थ्य स्थिति प्रश्नावली

कर्मचारी संख्या:-

0231/1701

तारीख:-

5/5/2023

नाम:-

विद्यालक्ष्मी

पेशा:-

Asst Manager (PMT)

1. क्या आप वर्तमान में किसी बीमारी या चोट के लिए किसी डॉक्टर से इलाज करा रहे हैं? यदि हाँ तो कृपया संक्षेप में वर्णन करें:- **no**

2. क्या आप कोई चिकित्सा उपचार प्राप्त कर रहे हैं या कोई दवा ले रहे हैं (या तो निर्धारित या अन्यथा):- **no**

3. क्या आपको कभी किसी डॉक्टर ने बताया है कि आपको निम्नलिखित में से कोई भी है?

3.1 उच्च रक्तचाप (High BP)

हां/ नहीं

— 5 yrs

3.2 सीने में दर्द, एनजाइना का इतिहास

हां/ नहीं

3.3 मधुमेह (Diabetes)

हां/ नहीं

3.4 सांस की असामान्य कमी

हां/ नहीं

3.5 सिर की चोट, रीढ़ की हड्डी की चोट का इतिहास

हां/ नहीं

3.6 दौरे, आक्षेप, मिर्गी का इतिहास

हां/ नहीं

3.7 स्ट्रोक का इतिहास

हां/ नहीं

3.8 चक्कर आना, संतुलन की समस्या

हां/ नहीं

3.9 श्रवण हानि या बहरापन या कान का ऑपरेशन हुआ हो या श्रवण यंत्र का उपयोग किया हो

हां/ नहीं

3.10 क्या आपको कभी कोई अन्य गंभीर चोट, बीमारी, ऑपरेशन हुआ है, या किसी भी कारण से अस्पताल में रहे हैं? अगर हां, तो कृपया ब्योरा दें:

**no**

मैं मेडिकल टीम को अपनी सहमति दे रहा हूँ. मेरे द्वारा दी गई सभी जानकारी सही है.

हस्ताक्षर

तारीख:-

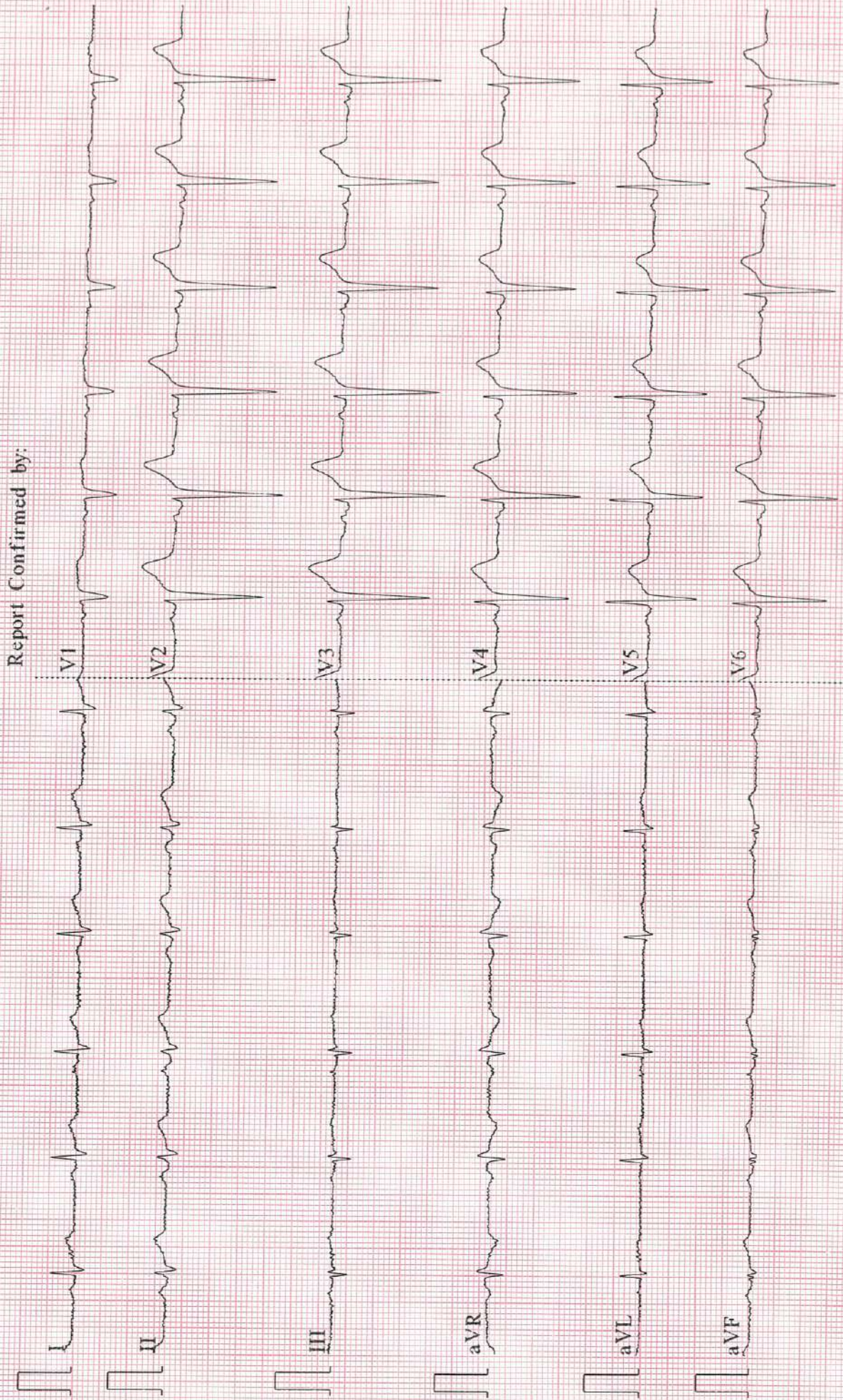
5/5/2023



vidhyadhar sharma  
Male 60Years  
Reg. No. : 5646

HR : 74 bpm  
P : 110 ms  
PR : 156 ms  
QRS : 97 ms  
QT/QTcBz : 363/405 ms  
P/QRS/T : 64/9/48 °  
RV5/SV1 : 0.752/0.502 mV

Diagnosis Information:  
Sinus Rhythm  
\*\*\*Normal ECG\*\*\*





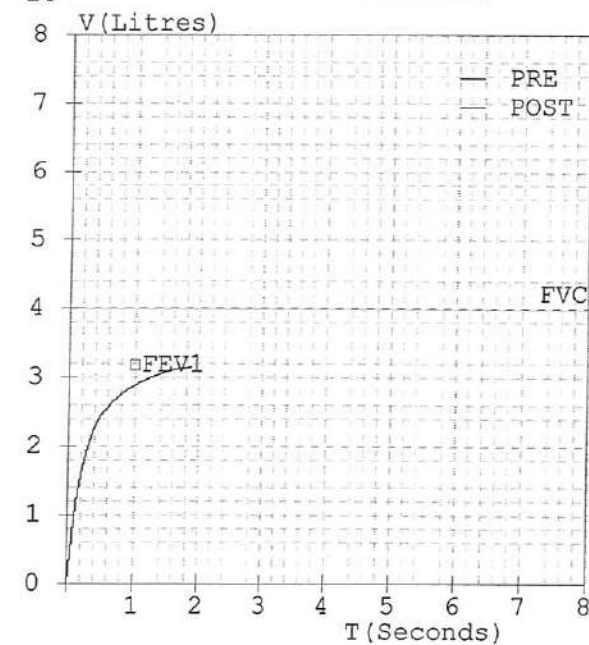
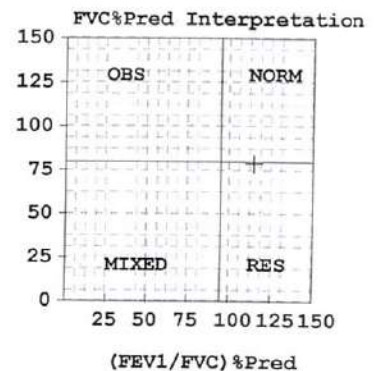
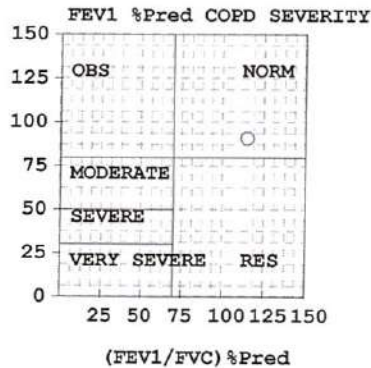
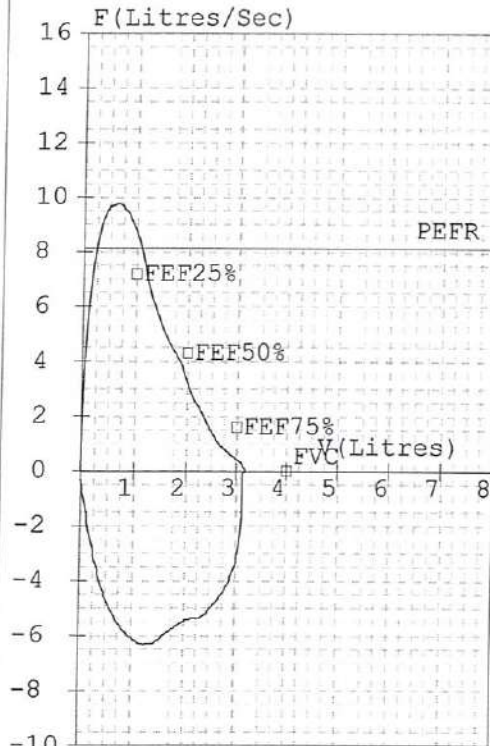
# MP BIRLA HOSPITAL & RESEARCH CENTRE

Birla Hospital Road, Senth, Chittorgarh-312025

Patient: VIDHYADHAR SHARMA  
Refd.By: Self  
Pred.Eqns: ERS 93  
Date : 04-Aug-2023 09:45 AM

Age : 60 Yrs  
Height : 172 Cms  
Weight : 78 Kgs  
ID : 5646

Gender : Male  
Smoker : No  
Eth. Corr: 100  
Temp :



FVC Results							
Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC	(L)	04.01	03.17	079	-----	---	---
FEV1	(L)	03.17	02.89	091	-----	---	---
FEV1/FVC	(%)	79.05	91.17	115	-----	---	---
FEF25-75	(L/s)	03.46	04.18	121	-----	---	---
PEFR	(L/s)	08.13	09.68	119	-----	---	---
FIVC	(L)	04.16	03.20	077	-----	---	---
FEV.5	(L)	-----	02.45	---	-----	---	---
FEV3	(L)	-----	03.17	---	-----	---	---
PIFR	(L/s)	-----	06.31	---	-----	---	---
FEF75-85	(L/s)	-----	01.22	---	-----	---	---
FEF.2-1.2	(L/s)	-----	08.78	---	-----	---	---
FEF 25%	(L/s)	07.18	09.42	131	-----	---	---
FEF 50%	(L/s)	04.31	04.86	113	-----	---	---
FEF 75%	(L/s)	01.59	01.79	113	-----	---	---
FEV.5/FVC	(%)	-----	77.29	---	-----	---	---
FEV3/FVC	(%)	-----	100.00	---	-----	---	---
FET	(Sec)	-----	02.05	---	-----	---	---
ExptTime	(Sec)	-----	00.05	---	-----	---	---
Lung Age	(Yrs)	060	065	108	-----	---	---
FEV6	(L)	04.01	-----	---	-----	---	---
FIF25%	(L/s)	-----	05.26	---	-----	---	---
FIF50%	(L/s)	-----	06.05	---	-----	---	---
FIF75%	(L/s)	-----	05.50	---	-----	---	---

Test within normal limits

Pre Medication Report Indicates  
Mild Restriction as (FEV1/FVC)%Pred >95 and FVC%Pred <80

Self

25471

### Audiometric Evaluation Report

Patient:

Gopal Banjara  
Male  
40 Years 7 Months

Session Date : 8/10/2023 4:08:58 PM

Audiometry conducted by:

MP BIRLA HOSPITAL & RESEARCH CENTRE

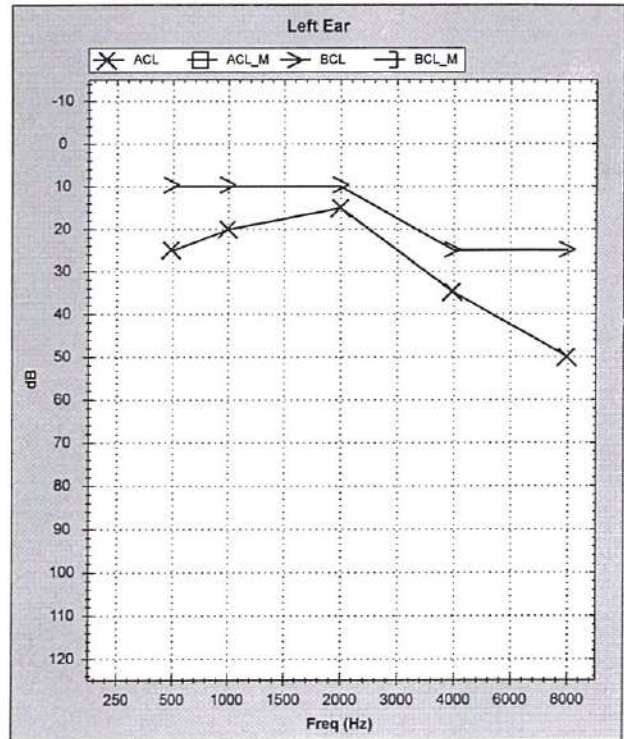
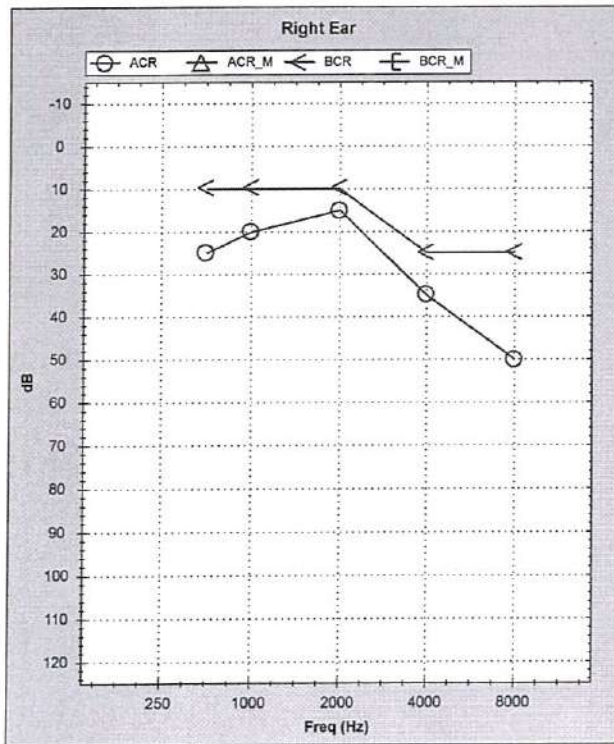
Comments:

Normal Hearing

BHAGHAWAN KUMAR  
Authorized Signatory  
Dept. of Audiology

PTA - 20 dBm

PTA 20 dBm



## HAEMATOLOGY

Patient Name	: MR. GOPAL BANJARA -6174	IP / OP No	: 1043546
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 7 M 9 D
Class	: OPD	Vch No	: 1516399
Current Loc	:	Received Dt	: 10/08/2023 06:51 PM
Sample No	: 23065387	Reported On	: 11/08/2023 09:42 AM

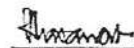
### EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

TEST NAME	VALUE	UNITS	REF. RANGE
HAEMOGLOBIN	13.3	g/dl	13.0 - 17.0
RBC Count	5.82	10 <sup>6</sup> /ul	4.5 - 5.5
Haematocrit (P.C.V.)	39.9	%	40.0 - 50.0
Mean Corpuscular Vol (MCV)	68.5	fL	83.0 - 102.0
Mean Corpuscular Hb.(MCH)	22.9	pg	27.0 - 32.0
Mean Corp.HB.Con (MCHC)	33.4	g/dl	31.5 - 34.5
WBC COUNT	9,890	/cmm	4000 - 10000
<b>DIFFERENTIAL COUNT</b>			
Neutrophils	55	%	40 - 80
Lymphocytes	33	%	20 - 40
Eosinophil	4	%	1 - 6
Monocytes	8	%	2 - 10
Basophils	0	%	0 - 2
PLATELET COUNT	3.17	lakh/cu mm	1.5 - 4.2
RDW - CV	20.7	%	
RDW - SD	44		
MPV	9		

Error: Subreport could not be shown.

-----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)  
RMC 43723/18167

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

Printed By : 10415 on 11/08/2023 12:28 PM

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## HAEMATOLOGY

Patient Name	: MR. GOPAL BANJARA -6174	IP / OP No	: 1043546
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 7 M 9 D
Class	: OPD	Vch No	: 1516399
Current Loc	:	Received Dt	: 10/08/2023 06:51 PM
Sample No	: 23065387	Reported On	: 11/08/2023 09:42 AM

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

BLOOD GROUP "O"

AGGLUTINATION METHOD.

RH TYPE Positive

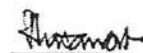
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-----End Of Report-----

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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## BIOCHEMISTRY

Patient Name	: MR. GOPAL BANJARA -6174	IP / OP No	: 1043546
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 7 M 9 D
Class	: OPD	Vch No	: 1516399
Current Loc	:	Received Dt	: 10/08/2023 06:51 PM
Sample No	: 23065388	Reported On	: 11/08/2023 09:42 AM

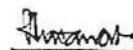
### EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

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

BLOOD UREA	22.5	mg/dl	19 - 55
<i>Kinetic ( Urease/GLDH)</i>			
CREATININE	0.7	mg/dl	0.70 - 1.40
<i>( Jaffe )</i>			
Error: Subreport could not be shown.			

-----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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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

## BIOCHEMISTRY

Patient Name	: MR. GOPAL BANJARA -6174	IP / OP No	: 1043546
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 7 M 9 D
Class	: OPD	Vch No	: 1516399
Current Loc	:	Received Dt	: 10/08/2023 06:51 PM
Sample No	: 23065388	Reported On	: 11/08/2023 09:42 AM

LFT			
TEST NAME	VALUE	UNITS	REF. RANGE
S.G.O.T ( IFCC Without Pyridoxal Phosphate.)	15.7	U/L	0 - 50
S.G.P.T ( IFCC Without Pyridoxal Phosphate.)	13.1	U/L	0 - 50
TOTAL BILIRUBIN ( Diazo Special )	0.8	mg/dl	Upto 1.4
DIRECT BILIRUBIN ( Diazo Malloy )	0.2	mg/dl	0 - 0.2
INDIRECT BILIRUBIN (Calculated)	0.6		
TOTAL PROTEIN Biuret	8.5	g/dL	6.6 - 8.3
ALBUMIN ( BCG )	4.3	gms/dl	3.5 - 5.2
GLOBULIN CALCULATED	4.2	gm/dL	
A/G RATIO (Calculated)	1	%	
ALKALINE PHOSPHATASE ( IFCC )	117	U/L	30 - 120
GAMMA GT (GGT)	34.6	U/L	0 - 55

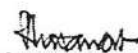
Error: Subreport could not be shown.

-----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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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

## BIOCHEMISTRY

Patient Name	: MR. GOPAL BANJARA -6174	IP / OP No	: 1043546
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 7 M 9 D
Class	: OPD	Vch No	: 1516399
Current Loc	:	Received Dt	: 10/08/2023 06:51 PM
Sample No	: 23065388	Reported On	: 11/08/2023 09:42 AM

LIPID PROFILE			
TEST NAME	VALUE	UNITS	REF. RANGE
CHOLESTEROL	154	mg/dl	0 - 200
<i>CHOD-POD</i>			
TRIGLYCERIDES	321	mg/dl	0 - 150
<i>(GPO-POD)</i>			
HDL CHOLESTEROL	49	mg/dl	23 - 92
LDL CHOLESTEROL	41	mg/dl	0 - 100
<i>CALCULATED</i>			
VLDL	64.2	mg/dl	< 30
<i>CALCULATED</i>			
CHOL/HDL RATIO	3.1	mg/dl	3.40 - 4.40

Error: Subreport could not be shown.

-----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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## BIOCHEMISTRY

Patient Name	: MR. GOPAL BANJARA -6174	IP / OP No	: 1043546
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 7 M 9 D
Class	: OPD	Vch No	: 1516399
Current Loc	:	Received Dt	: 10/08/2023 06:51 PM
Sample No	: 23065389	Reported On	: 11/08/2023 09:43 AM

## EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

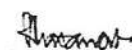
TEST NAME	VALUE	UNITS	REF. RANGE
-----------	-------	-------	------------

PLASMA GLUCOSE RANDOM	270	mg/dl	70 - 140
-----------------------	-----	-------	----------

Error: Subreport could not be shown.

-----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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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

## CLINICAL PATHOLOGY

Patient Name	: MR. GOPAL BANJARA -6174	IP / OP No	: 1043546
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 7 M 9 D
Class	: OPD	Vch No	: 1516399
Current Loc	:	Received Dt	: 10/08/2023 06:51 PM
Sample No	: 23065390	Reported On	: 11/08/2023 09:43 AM

## EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

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

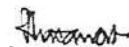
Urine Albumin Absent

Urine Sugar Present +++

Error: Subreport could not be shown.

-----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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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

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## FORM 19 (Prescribed under Rule 65-SS)

### Health Register

Employee code :- 25471 Email:- 9119-315454  
Name:- Anil Bhatnagar  
Designation:- Loder  
Department:- PLP  
Contractor:- C.I.S. Enterprises DLR-40

### PERIODICAL MEDICAL EXAMINATION

#### Part-1 (General physical examination)

Identification Mark.....

1. General development- Good/ Fair /Poor  
2. Height .....Cms 179  
3. Weight... .....kg. 80.2

#### 4 Eyes:

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

Right eye... 6/6 Left eye... 6/6

(ii) Any organic disease of eyes... No

(iii) Night blindness... No

(iv) Color blindness... No

(v) Squint... No

#### (5) Ears

(I) Hearing: right ear... (D) Left ear... (D)

(II) Any organic diseases... —

#### 6. Respiratory system

Chest measurement:

- (i) After full inspiration... 89 cms.  
(ii) After full expiration... 86 cms.

#### 7. Circulatory system:

Blood Pressure... 108/74

Pulse... 96

**Investigation and reports****1. Result of Pulmonary function test (spirometry)**

Parameters	Predicted value	Performed Value	% of Predicted
Forced vital capacity (FVC)			
Forced expiratory volume 1 sec (FEV <sub>1</sub> )			
FEV <sub>1</sub> /FEC			

Enclosed PFT Report:-

**2. Cardiological Assessment :-**

Auscultation	
ECG finding	

Enclosed ECG Report:-

**3 Audiometry finding:-**

Conduction type	Left Ear	Right Ear
Ear conduction		
Bone conduction		

Enclosed Audiometry report:-

**4 Blood Investigations:-**

Blood Hb, RBC, TLC, Platelets	
Random Blood Sugar	
Lipid Profile	elevated,
Blood Urea , Creatinine	elevated
LFT (Liver function test)	
Urine Routine	
Blood group	O positive.

Enclosed Blood Reports:-

**5 Chest Radiograph:-**

Signature and seal of the examining authority

*Dr. Gaurav Bhatt*  
 MBBS (Medical Officer)  
 RMC Reg. No. - R.M.C. 1737  
 MP Birla Hospital & Research Centre  
 Santoshi Chittorgarh (Raj.) 312025



Part- 3  
**Periodic medical examination**  
स्व-घोषणा प्रपत्र

स्वास्थ्य स्थिति प्रश्नावली

कर्मचारी संख्या:- 25-471

तारीख:- 10.8.23

नाम:- Copal Biji

पेशा:- Teacher

1. क्या आप वर्तमान में किसी बीमारी या चोट के लिए किसी डॉक्टर से इलाज करा रहे हैं? यदि हाँ तो कृपया संक्षेप में वर्णन करें:-

2. क्या आप कोई चिकित्सा उपचार प्राप्त कर रहे हैं या कोई दवा ले रहे हैं (या तो निर्धारित या अन्यथा):-

3. क्या आपको कभी किसी डॉक्टर ने बताया है कि आपको निम्नलिखित में से कोई भी है?

3.1 उच्च रक्तचाप (High BP) हां/ नहीं

3.2 सीने में दर्द, एनजाइना का इतिहास हां/ नहीं

3.3 मधुमेह (Diabetes) हां/ नहीं

3.4 सांस की असामान्य कमी हां/ नहीं

3.5 सिर की चोट, रीढ़ की हड्डी की चोट का इतिहास हां/ नहीं

3.6 दौरे, आक्षेप, मिर्गी का इतिहास हां/ नहीं

3.7 स्ट्रोक का इतिहास हां/ नहीं

3.8 चक्कर आना, संतुलन की समस्या हां/ नहीं

3.9 श्रवण हानि या बहरापन या कान का ऑपरेशन हुआ हो या श्रवण यंत्र का उपयोग किया हो हां/ नहीं

3.10 क्या आपको कभी कोई अन्य गंभीर चोट, बीमारी, ऑपरेशन हुआ है, या किसी भी कारण से अस्पताल में रहे हैं? अगर हां, तो कृपया ब्योरा दें:

मैं मेडिकल टीम को अपनी सहमति दे रहा हूँ. मेरे द्वारा दी गई सभी जानकारी सही है.

हस्ताक्षर Copal

तारीख:- 10.8.23

# MP BIRLA HOSPITAL & RESEARCH CENTRE

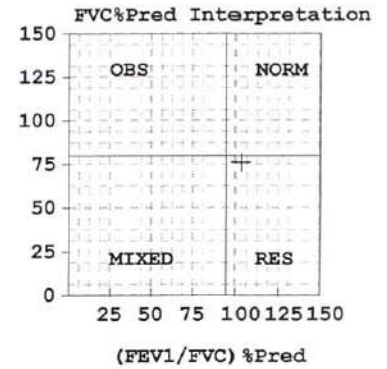
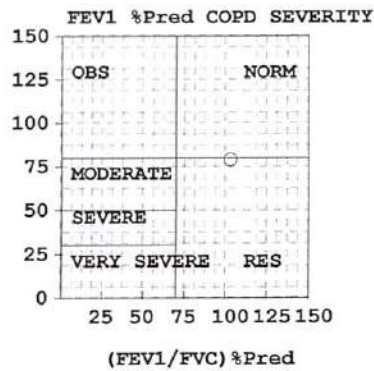
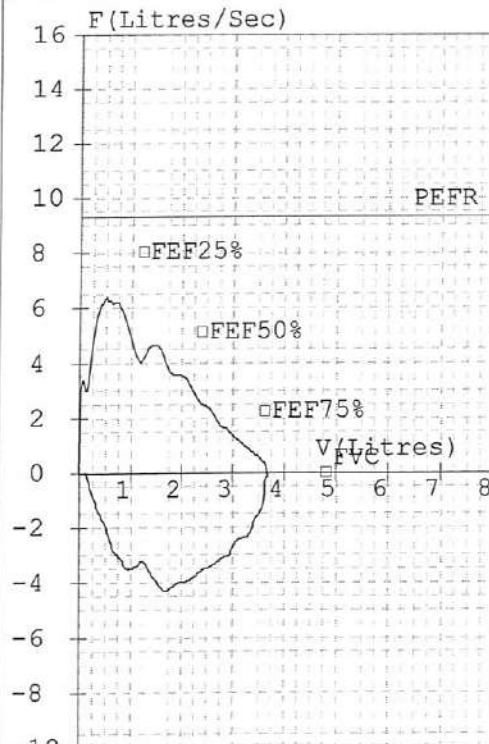
Birla Hospital Road, Senth, Chittorgarh-312025



Patient: GOPAL BANJARA  
Refd.By: Self  
Pred.Eqns: ERS 93  
Date : 10-Aug-2023 03:46 PM

Age : 40 Yrs  
Height : 177 Cms  
Weight : 80 Kgs  
ID : 6174

Gender : Male  
Smoker : No  
Eth. Corr: 100  
Temp :



FVC Results							
Parameter		Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC	(L)	04.82	03.66	076	-----	---	---
FEV1	(L)	03.96	03.11	079	-----	---	---
FEV1/FVC	(%)	82.16	84.97	103	-----	---	---
FEF25-75	(L/s)	04.41	03.30	075	-----	---	---
PEFR	(L/s)	09.30	06.30	068	-----	---	---
FIVC	(L)	05.03	03.54	070	-----	---	---
FEV.5	(L)	-----	02.17	---	-----	---	---
FEV3	(L)	-----	03.66	---	-----	---	---
PIFR	(L/s)	-----	04.26	---	-----	---	---
FEF75-85	(L/s)	-----	01.45	---	-----	---	---
FEF.2-1.2	(L/s)	-----	05.25	---	-----	---	---
FEF 25%	(L/s)	08.03	05.41	067	-----	---	---
FEF 50%	(L/s)	05.12	03.55	069	-----	---	---
FEF 75%	(L/s)	02.24	01.73	077	-----	---	---
FEV.5/FVC	(%)	-----	59.29	---	-----	---	---
FEV3/FVC	(%)	-----	100.00	---	-----	---	---
FET	(Sec)	-----	01.91	---	-----	---	---
ExptTime	(Sec)	-----	00.02	---	-----	---	---
Lung Age	(Yrs)	040	048	120	-----	---	---
FEV6	(L)	04.82	-----	---	-----	---	---
FIF25%	(L/s)	-----	03.03	---	-----	---	---
FIF50%	(L/s)	-----	03.98	---	-----	---	---
FIF75%	(L/s)	-----	03.34	---	-----	---	---

Restrictive stage COPD as FEV1/FVC  $\geq$  70% and FEV1  $<$  80%

## Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred  $<$  70  
Mild Restriction as (FEV1/FVC)%Pred  $>$ 95 and FVC%Pred  $<$ 80

Self



GOPAL BANJARA

Male 40Years

Req. No. :

HR

: 85 bpm

P

: 101 ms

PR

: 141 ms

QRS

: 84 ms

QT/QTcBz

: 343/408

P/QRS/T

: 64/41/39

RV5/SV1

: 1.403/0.833

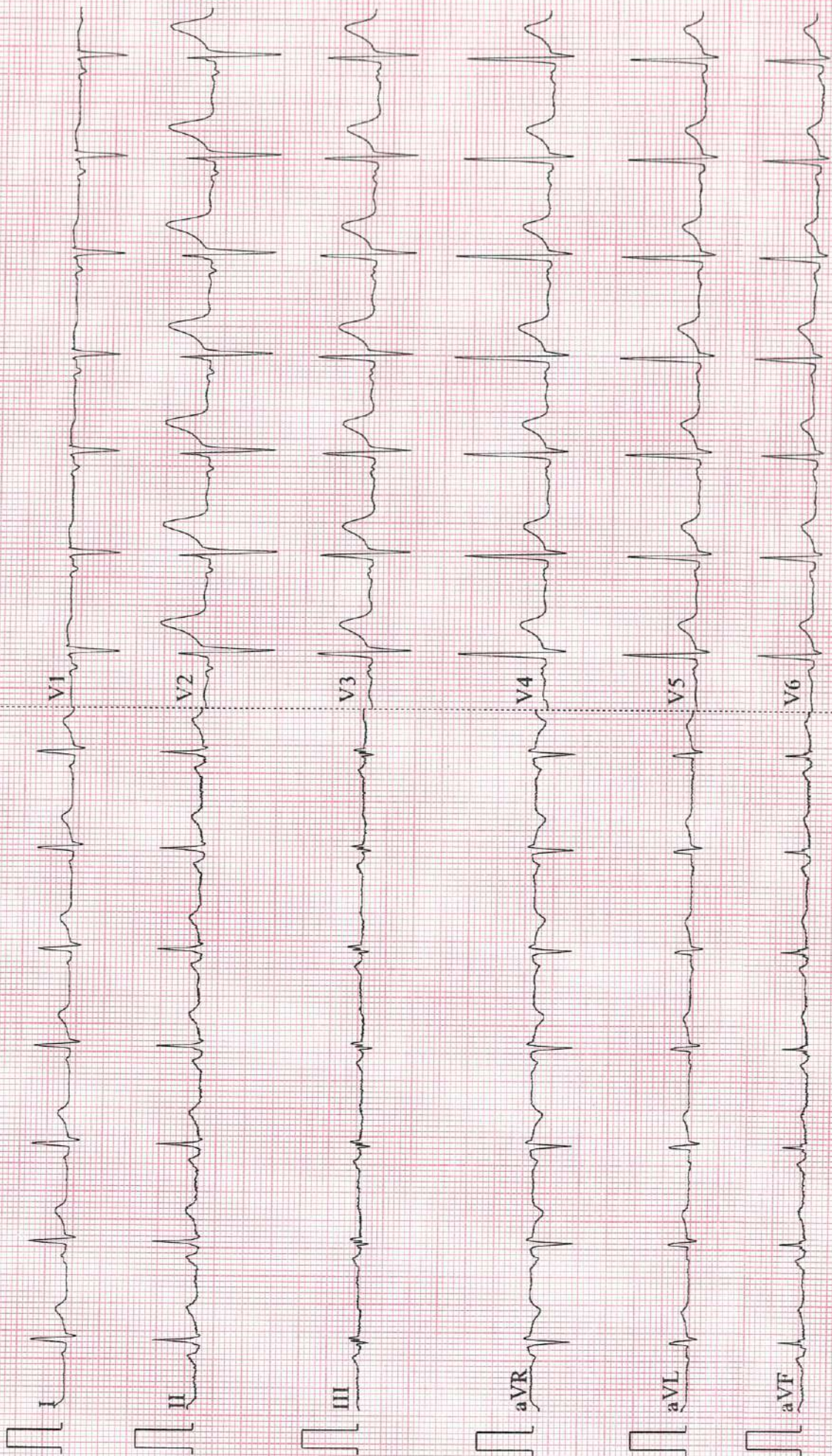
mV

Diagnosis Information:

Sinus Rhythm

Largd PtfV1

Report Confirmed by:





# Annexure - 3



Sample Number : VTL/AN/01

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

Report No. : VTL/N/2310120001/A  
Format No : 7.8 F-04  
Party Reference No : NIL  
Report Date : 18/10/2023  
Receipt Date : 12/10/2023  
Sampling Duration : 24 Hrs.  
Sample Collected : VTL Team  
Instrument : Calibrated  
Calibration Status : Calibrated

**General Information:-**

Sampling Location : Near CCW Crusher  
Instrument Code : VTL/SLM/01  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 06/10/2023 To 07/10/2023  
Time of Monitoring : 06:00 TO 06:00 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Parameter Required : As per work order  
Coordinates : 24°55'57" & 74°38'32"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	62.2	48.5

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

\*\*\*End of Report\*\*\*



Checked by  
*M. Nish*



RK Yadav  
Lab Incharge  
Authorized Signatory



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Sample Number : VTL/AN/03  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/N/2310120003/A  
Format No : 7.8 F-04  
Party Reference No : NIL  
Report Date : 18/10/2023  
Receipt Date : 12/10/2023  
Sampling Duration : 24 Hrs.  
Sample Collected : VTL Team  
Instrument : Calibrated  
Calibration Status

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

**General Information:-**

Sampling Location : At STP  
Instrument Code : VTL/SLM/01  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 05/10/2023 To 06/10/2023  
Time of Monitoring : 06:00 TO 06:00 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Parameter Required : As per work order  
Coordinates : 24°55'17" & 74°37'50"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	55.8	44.5

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

\*\*\*End of Report\*\*\*



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Lab Incharge  
Authorized Signatory



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Sample Number : VTL/AN/04

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

Report No. : VTL/N/2310120004/A  
Format No : 7.8 F-04  
Party Reference No : NIL  
Report Date : 18/10/2023  
Receipt Date : 12/10/2023  
Sampling Duration : 24 Hrs.  
Sample Collected : VTL Team  
Instrument : Calibrated  
Calibration Status : Calibrated

**General Information:-**

Sampling Location : Admin Building  
Instrument Code : VTL/SLM/04  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 05/10/2023 To 06/10/2023  
Time of Monitoring : 06:00 TO 06:00 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Parameter Required : As per work order  
Coordinates : 24°55'42" & 74°37'57"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	56.8	43.7

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

\*\*\*End of Report\*\*\*



Checked by  
Anish



RK Yadav  
Lab Incharge  
Authorized Signatory



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Sample Number : VTL/AN/05

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Sample Description : Ambient Noise Level Monitoring  
Scope of Monitoring : Regulatory Requirement  
Protocol Used : IS 9989  
Instrument Used : SLM

Report No. : VTL/N/2310120005/A  
Format No : 7.8 F-04  
Party Reference No : NIL  
Report Date : 18/10/2023  
Receipt Date : 12/10/2023  
Sampling Duration : 24 Hrs.  
Sample Collected : VTL Team  
Instrument : Calibrated  
Calibration Status : Calibrated

**General Information:-**

Sampling Location : Near 132 KV Sub Station  
Instrument Code : VTL/SLM/04  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 06/10/2023 To 07/10/2023  
Time of Monitoring : 06:00 TO 06:00 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Parameter Required : As per work order  
Coordinates : 24°56'3" & 74°37'50"

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	60.7	47.1

**Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000**

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

\*\*\*End of Report\*\*\*



Checked by  
Rishabh



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Lab Incharge  
Authorized Signatory



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# Annexure - 4

Sample Number : VTL/AA/02  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/A/2310120002/A  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-  
Sampling Location : Admin Block  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 24°55'42" & 74°37'57"  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 06/10/2023 To 07/10/2023  
Time of Monitoring : 08:25 TO 08:25 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	65.05	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	31.56	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	14.52	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.02	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	7.56	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	13.25	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	*BLQ (**LOQ 0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	*BLQ (**LOQ 5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1



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Lab Incharge  
Authorized Signatory



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## TEST REPORT

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Sample Number : VTL/AA/02

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/A/2310120002/B  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Admin Block  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 24°55'42" & 74°37'57"  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 06/10/2023 To 07/10/2023  
Time of Monitoring : 08:25 TO 08:25 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.46	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*



Checked by *[Signature]*



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Lab Incharge  
Authorized Signatory *[Signature]*

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Sample Number : VTL/AA/03  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/A/2310120003/A  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-  
Sampling Location : At STP  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 24°55'17" & 74°37'50"  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 07/10/2023 To 08/10/2023  
Time of Monitoring : 08:35 TO 08:35 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	71.56	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.26	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	16.25	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.21	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	8.03	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	12.54	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	*BLQ (**LOQ 0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2, 1999	*BLQ (**LOQ 5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1



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Lab Incharge  
Authorized Signatory



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## TEST REPORT

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Sample Number : VTL/AA/03

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/A/2310120003/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 18/10/2023

Period of Analysis : 12/10/2023-18/10/2023

Receipt Date : 12/10/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : At STP  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 24°55'17" & 74°37'50"  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 07/10/2023 To 08/10/2023  
Time of Monitoring : 08:35 TO 08:35 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.48	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

# VIBRANT

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RK Yadav  
Lab Incharge  
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*[Signature]*

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Sample Number : VTL/AA/04  
Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/A/2310120004/A  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**  
Sampling Location : Near CCW Crusher  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 24°55'57" & 74°38'32"  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 09/10/2023 To 10/10/2023  
Time of Monitoring : 08:35 TO 08:35 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	75.62	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.95	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	18.45	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.24	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	9.23	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	14.52	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	*BLQ (**LOQ 0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2, 1999	*BLQ (**LOQ 5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1



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RK Yadav  
Lab Incharge  
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## TEST REPORT

**VIBRANT**

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Sample Number : VTL/AA/04

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/A/2310120004/B  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Near CCW Crusher  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/01  
Coordinates : 24°55'57" & 74°38'32"  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 09/10/2023 To 10/10/2023  
Time of Monitoring : 08:35 TO 08:35 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.49	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

**VIBRANT**  
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*[Signature]*



RK Yadav  
Lab Incharge  
Authorized Signatory  
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Sample Number : VTL/AA/05

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/A/2310120005/A  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

**General Information:-**

Sampling Location : Near 132 KV Sub Station, CCW  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 24°56'34" & 74°37'50"  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 07/10/2023 To 08/10/2023  
Time of Monitoring : 09:05 TO 09:05 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	72.65	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.62	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.45	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.25	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006, RA.2017	*BLQ (**LOQ 1.0)	µg/m³	5
6	Ammonia (as NH3)	Methods of air sampling and analysis, 3rd ed., 1988, Method No. 401	8.56	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	12.54	µg/m³	180
8	Lead (as Pb)	IS 5182 (P-22) : 2004, RA.2019	*BLQ (**LOQ 0.02)	µg/m³	1
9	Arsenic (as As)	Methods of air sampling and analysis, 3rd ed., 1988, Method No.302	*BLQ (**LOQ 0.15)	ng/m³	6
10	Nickel (as Ni)	USEPA compendium IO-3.2, 1999	*BLQ (**LOQ 5.0)	ng/m³	20
11	Benzo (alpha) Pyrene-Particulate Phase Only	IS:5182 (P-12):2004, RA.2019	*BLQ (**LOQ 0.2)	ng/m³	1



Checked by  
Rishabh



RK Yadav  
Lab Incharge  
Authorized Signatory



Term & conditions PTO

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Page No. 1/2

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com



Sample Number : VTL/AA/05

Name & Address of the Party : M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Report No. : VTL/A/2310120005/B  
Format No : 7.8 F-02  
Party Reference No : NIL  
Report Date : 18/10/2023  
Period of Analysis : 12/10/2023-18/10/2023  
Receipt Date : 12/10/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-  
Sampling Location : Near 132 KV Sub Station, CCW  
Sample Collected By : VTL Team  
Sampling Equipment used : RDS/FPS  
Instrument Code : VTL/RDS/FPS/04  
Coordinates : 24°56'34" & 74°37'50"  
Meteorological condition during monitoring : Clear Sky  
Date of Monitoring : 07/10/2023 To 08/10/2023  
Time of Monitoring : 09:05 TO 09:05 Hrs.  
Ambient Temperature (°C) : Min. 26°C Max. 34C  
Surrounding Activity : Human, Vehicular & Plant Act.  
Scope of Monitoring : Regulatory Requirement  
Method of Sampling : IS :5182  
Sampling Duration : 24 Hrs.  
Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.47	mg/m <sup>3</sup>	4

\*BLQ-Below Limit Of Quantification, \*\*LOQ-Limit Of Quantification

\*\*\*End of Report\*\*\*

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*Rish*  
Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory

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Page No. 1/1

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

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# Annexure - 5

8/3/23, 1:13 PM

Transport and Road Safety 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

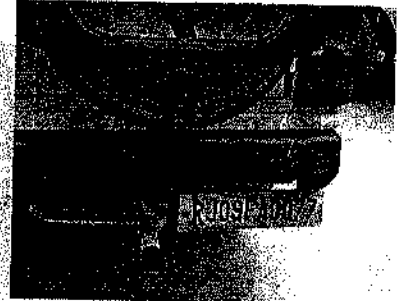
(Rule 115 of CMV Rules 1959)

16144100

Pucc No :	D10RJ09126595
Vehicle No :	RJ09FA0077
Customer Name :	BIRLA CORPORATION LTD.
Customer Mobile :	9414497939
Year of Regn :	08-03-2017
Type of Vehicle :	D.VAN
Make :	Mahindra & Mahindra
Model :	BOLERO
Test Date :	03-08-2023
Time :	01:11:09 PM
Valid UpTo :	02-02-2024
Center Name :	Mawar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



## Flushing Cycle

Avg	RPM Min	RPM Max	Temp
621		1834	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	586	1860	0.58	22.2	NA
2	621	1929	0.47	18.2	NA
3	662	1888	0.59	22.3	NA
Mean			0.55	20.9	

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 4/3 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

Authorised Signatory

D10RJ09

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM REIL/TRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09FA0077  
 PUC No. : D10RJ09126595  
 Valid up to : **02-02-2024**  
 Scan QR Code to Validate



Veh Reg No : RJ09FA0077  
 PUC No. : D10RJ09126595  
 Valid up to : **02-02-2024**  
 Scan QR Code to Validate



8/3/23, 11:36 AM

Transport and Road Safety 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

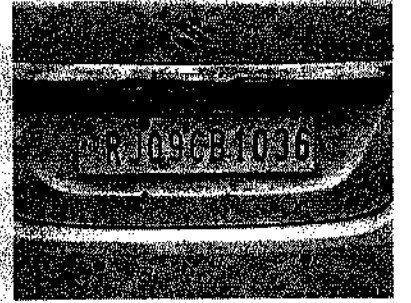
(Rule 115 of CMV Rules 1959)

16144063

Pucc No :	D10RJ09126588
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 :	03-08-2023
Time :	11:35:12 AM
Valid UpTo :	02-02-2024
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
689		2061	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	698	2078	0.72	26.5	NA
2	703	2099	0.75	27.6	NA
Mean		2140	0.74	27.2	NA
			0.74	27.1	

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 4/3 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 D10RJ09	Authorised Signatory
-------------------------	---------------------------------	----------------------

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM RAIL/TRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09CB1036  
PUC No. : D10RJ09126588  
Valid up to : 02-02-2024  
Scan QR Code to Validate



Veh Reg No : RJ09CB1036  
PUC No. : D10RJ09126588  
Valid up to : 02-02-2024  
Scan QR Code to Validate

8/3/23, 11:18 AM

Transport and Road Safety 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

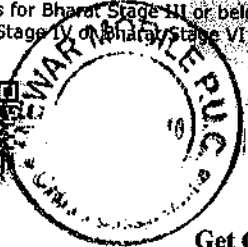
(Rule 116 of CMV Rules 1989)

16144053

Pucc No :	P10RJ09114701
Vehicle No :	RJ09CA4901
Customer Name :	BIRLA CORPORATION LTD.
Customer Mobile :	7014555637
Year of Regn :	29-03-2010
Type of Vehicle :	4 Wheeler
Type of Engine :	4 STROKE
Make :	Maruti Udyog
Model :	SWIFT
FUEL :	PETROL
Test Date :	03-08-2023
Time :	11:17:26 AM
Valid UpTo :	02-02-2024
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
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.



Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

P10RJ09

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 : RJ09CA4901  
PUC No. : P10RJ09114701  
Valid up to : **02-02-2024**  
Scan QR Code to Validate



Veh Reg No : RJ09CA4901  
PUC No. : P10RJ09114701  
Valid up to : **02-02-2024**  
Scan QR Code to Validate

VALID IN ALL INDIA

Photo of Vehicle



Petrol Test		Gas Test		Unit
Pres STD	Measured level	Pres STD	Measured level	
CO 3.0	1.202	--	--	%
HC 1500	433	--	--	Vol
CO2 --	7.32	--	--	PPM
O2 --	3.60	--	--	%Vol
				PPM

At High Idle RPM 2300 - 2700

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

23, 12:09 PM

Transport and Road Safety 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

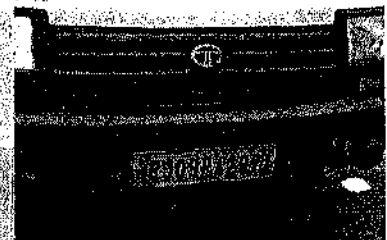
(Rule 115 of CMV Rules 1980)

17826931

Pucc No :	D28RJ09124708
Vehicle No :	RJ09PA2971
Customer Name :	BIRLA CORPORATION LTD.
Customer Mobile :	9414497939
Year of Regn :	25-03-2013
Type of Vehicle :	D.VAN
Make :	Tata Motor
Model :	WINGER
Test Date :	04-05-2023
Time :	12:09:04 PM
Valid UpTo :	03-02-2024
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
662		2038	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	631	2010	0.73	26.8	NA
2	631	2028	0.61	23.1	NA
3	724	2034	0.61	22.9	NA
Mean			0.65	24.3	

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 438 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
-------------------------	---------------------------------	----------------------

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09PA2971  
PUC No. : D28RJ09124708  
Valid up to : **03-02-2024**  
Scan QR Code to Validate



Veh Reg No : RJ09PA2971  
PUC No. : D28RJ09124708  
Valid up to : **03-02-2024**  
Scan QR Code to Validate



8/3/23, 1:34 PM

Transport and Road Safety Department, Rajasthan



# प्रदूषण नियंत्रण प्रमाण पत्र

## POLLUTION UNDER CONTROL CERTIFICATE

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

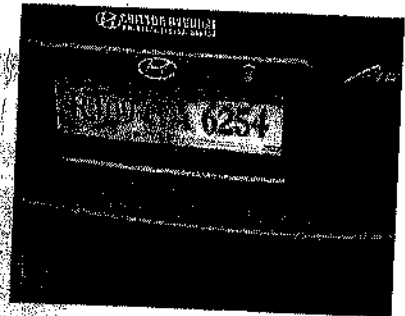
परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

(Rule 115 of CMV Rules 1989)

16144108

VALID IN ALL INDIA

Photo of Vehicle



Pucc No :	P10RJ09114744
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 :	03-08-2023
Time :	01:33:59 PM
Valid UpTo :	02-02-2024
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

Certificate price: ₹ 70

Validity Six Months for Bharat Stage IV and below and one year for Bharat Stage V and above vehicles.



Petrol Test		Gas Test		Unit
Pres STD	Measured level	Pres STD	Measured level	
CO 3.0	2.145	--	--	%
HC 1500	597	--	--	Vol
CO2 --	3.42	--	--	PPM
O2 --	4.10	--	--	%Vol
				PPM

At High Idle 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 Code

Authorised Signatory

P10RJ09

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM RAIL/TRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09CA6254  
PUC No. : P10RJ09114744  
Valid up to : **02-02-2024**  
Scan QR Code to Validate



Veh Reg No : RJ09CA6254  
PUC No. : P10RJ09114744  
Valid up to : **02-02-2024**  
Scan QR Code to Validate



# 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)

16144067

Pucc No :	P10RJ09114713
Vehicle No :	RJ09AS8145
Customer Name :	BIRLA CORPORATON LTD.
Customer Mobile :	9057272991
Year of Regn :	01-02-2017
Type of Vehicle :	2 Wheeler
Type of Engine :	4 STROKE
Make :	TVS Motor
Model :	SPORTS
FUEL :	PETROL
Test Date :	03-08-2023
Time :	11:46:42 AM
Valid UpTo :	02-02-2024
Center Name :	Mewar Mobile Pollution Checking Center
Center Address :	Chanderiya, Chittorgarh
Licence No :	RJ09-0010/0010
Test Result :	Pass

VALID IN ALL INDIA

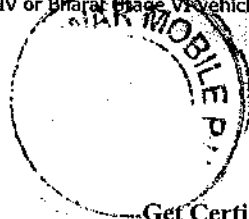
Photo of Vehicle



Petrol Test		Gas Test		Unit
Pres STD	Measured level	Pres STD	Measured level	
CO 4.5	1.423	--	--	%
HC 9000	541	--	--	Vol
CO2 --	6.45	--	--	PPM
O2 --	3.19	--	--	%Vol
				PPM

Certificate price: ₹ 50

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



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 Code	Authorised Signatory
	P10RJ09	

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Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : RJ09AS8145  
PUC No. : P10RJ09114713  
Valid up to : **02-02-2024**  
Scan QR Code to Validate



Veh Reg No : RJ09AS8145  
PUC No. : P10RJ09114713  
Valid up to : **02-02-2024**  
Scan QR Code to Validate

# Annexure - 6





Perimeter ?  
1,621.69 m

Area  
42,113.7 m<sup>2</sup>

Start new

# Annexure - 7



**VIBRANT**

"Experience the unimaginable"

**TEST REPORT**

TC-11227

Sample Number : VTL/WW/03

M/s Birla Corporation Limited  
 Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
 312021 Rajasthan

Name &amp; Address of the Party :

Sample Description : Trade Effluent

Sampling Location : CCW Unit-II (New Chittor Cement Works)

Sample Collected By : VTL Team

Coordinates : --

ULR No. : TC1122723000000196F

Report No. : VTL/WW/2310120003/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/10/2023

Period of Analysis : 12/10/2023-18/10/2023

Receipt Date : 12/10/2023

Sampling Date : 11/10/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.62	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	3.80	mg/l	100
3	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
4	Residual Chlorine	IS: 3025 (P-26): 2021	*BLQ(**LOQ-0.2)	mg/l	1
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C )	IS: 3025 (P-44): 1993, RA: 2019	3.26	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	11.2	mg/l	250
7	Chromium (as Cr)	APHA 23rd Edition 3113 B, 2017	*BLQ(**LOQ- 0.10)	mg/l	2
8	Copper (as Cu)	APHA 23rd Edition -3111B, 2017	*BLQ(**LOQ-0.10 )	mg/l	3
9	Residual Free Chlorine	IS: 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	1.0
10	Iron (as Fe)	APHA 23RD Edition 3111 B, 2017	0.05	mg/l	3

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Detection

\*\*\*End of Report\*\*\*

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Checked by



RK Yadav  
 Lab Incharge  
 Authorized Signatory



Term &amp; conditions PTO

Approved &amp; Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Page No. 1/1

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com





**VIBRANT**  
"Experience the unimaginable"

TEST REPORT

Sample Number : VTL/WW/03

M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Name & Address of the Party :

Sample Description : Trade Effluent

Sampling Location : CCW Unit-II (New Chittor Cement Works)

Sample Collected By : VTL Team

Coordinates : --

Report No. : VTL/WW/2310120003/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/10/2023

Period of Analysis : 12/10/2023-18/10/2023

Receipt Date : 12/10/2023

Sampling Date : 11/10/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Phosphate (as PO <sub>4</sub> )	IS:3025 (P-31):1988, ( stannous Chloride Method) Sec.3 RA: 2022	0.05	mg/l	5

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Detection

\*\*\*End of Report\*\*\*



Checked by



RK Yadav

Lab Incharge

Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Page No. 1/1

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/WW/06

M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Name & Address of the Party :

Sample Description : Treated Water

Sampling Location : Sewage Treatment Plant Outlet

Sample Collected By : VTL Team

Coordinates : --

ULR No. : TC1122723000000199F

Report No. : VTL/WW/2310120006/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/10/2023

Period of Analysis : 12/10/2023-18/10/2023

Receipt Date : 12/10/2023

Sampling Date : 11/10/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.52	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	31.26	mg/l	100
3	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
4	Residual Chlorine	IS: 3025 (P-26): 2021	0.26	mg/l	1
5	Ammonical Nitrogen (as NH <sub>3</sub> -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	8.78	mg/l	50
6	Nitrate Nitrogen (as NO <sub>3</sub> )	IS: 3025 (P-34): 1988, (Chromotropic Method) Sec.RA:2022	5.21	mg/l	--
7	Biochemical Oxygen Demand (BOD) (3 days @ 27°C )	IS: 3025 (P-44): 1993, RA: 2019	15.00	mg/l	30
8	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	45.00	mg/l	250
9	Sulphide (as S)	IS: 3025 (P-29) :1986 Idometric, RA :2019	0.45	mg/l	2

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Detection

\*\*\*End of Report\*\*\*



Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory



Term & conditions PTO

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Page No. 1/1

**Vibrant Techno Lab Pvt. Ltd.**

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/WW/06

M/s Birla Corporation Limited  
Madhav Nagar, Sector-III, Chanderia, Chittorgarh  
312021 Rajasthan

Name & Address of the Party :

Sample Description : Treated Water

Sampling Location : Sewage Treatment Plant Outlet

Sample Collected By : VTL Team

Coordinates : --

Report No. : VTL/WW/2310120006/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 18/10/2023

Period of Analysis : 12/10/2023-18/10/2023

Receipt Date : 12/10/2023

Sampling Date : 11/10/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA. 2019	142.65	mg/l	--
2	Fecal Coliform	IS 1622, 2009	31	MPN /100 ml	<1000

\*BLQ-Below Limit OF Quantification, \*\*LOQ- Limit Of Detection

\*\*\*End of Report\*\*\*



Checked by



RK Yadav  
Lab Incharge  
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

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# Annexure - 8

# Birla Corporation Ltd, CSR Report-Chandaria Unit

**FY: 2022-23**

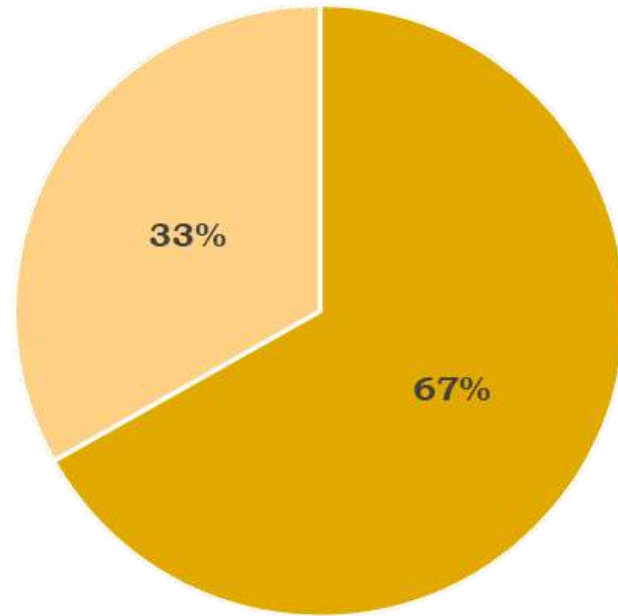
# CSR Budget & Expenditure: 2022-23

CSR Activities	CSR budget: 2022-23 (In Lacs)	Actual-YTD Till- March'23 (In Lacs)
<b>SAMIRIDDHI</b> -Integrated Livelihood Project in watershed approach-1:	43.7	43.67
<b>SAKSHAM</b> -Skill Development Project Project-2	5.5	5.46
<b>ANKURAM</b> -Health & Nutrition Project-3:	11.4	11.44
<b>Arogya</b> -Health, Water & Sanitation	16.1	16.15
<b>Shiksha Sarathi</b> -Supplementary Education Project-4	4.0	3.98
<b>Shiksha Sarathi</b> -Education	28.5	28.84
Rural Infra Development	36.8	37.07
<b>Harit-Urja</b> : Environment & Renewal Energy	14.0	13.94
<b>Total</b>	<b>160.0</b>	<b>160.55</b>



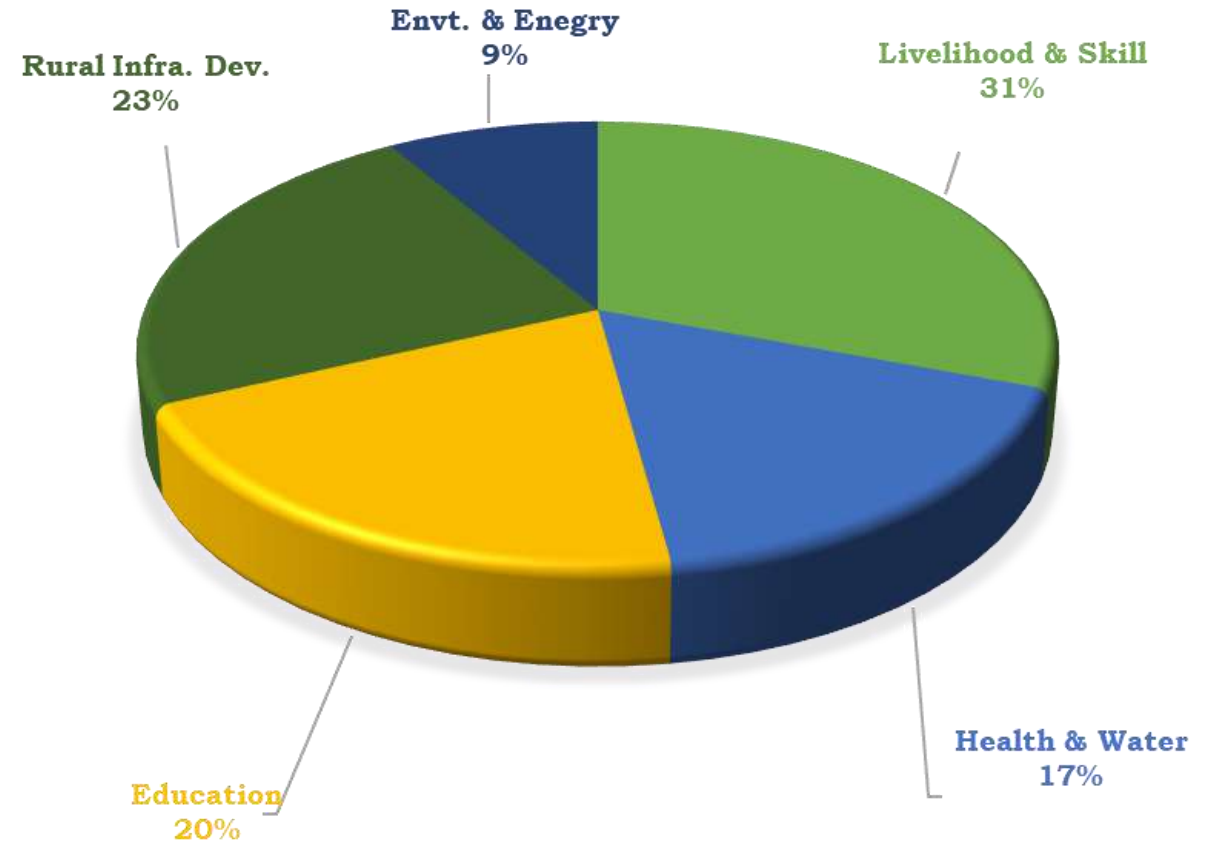
# Trend of CSR Spent: 2022-23

**CSR Budget Spent-2022-23**  
**(Long Vs. Short Term Programme)**



- Long Term Programme
- Short Term Programme

**CSR THEME WISE SPENT (%)**



# CSR Budget & Expenditure: 2022-23

CSR Activities	Coverage in FY 2022-23 (Nos)
SAMIRIDDHI-Integrated Livelihood Project in watershed approach-1:	932
SAKSHAM-Skill Development Project Project-2	87
ANKURAM-Health & Nutrition Project-3:	1,374
Arogya-Health, Water & Sanitation	7,563
Shiksha Sarathi-Supplementary Education Project-4	80
Education	1,263
Rural Infra Development	3,519
Harit-Urja: Environment & Renewal Energy	1,071
<b>Total</b>	<b>15,889</b>



# Key Highlights of FY: 2022-23



## MAJOR HIGHLIGHTS:

- 100.03% CSR Budget utilized (Rs. 160.55/160 Lacs), By direct 59.7% & by NGO 40.3%.
- Rs. 45.77 Lacs fund mobilized under Govt, Schemes (Health, KVK, Veterinary & DMFT) and benefitted 249 families directly.
- Achieved more than 100% target of 1<sup>st</sup> Year-Five year Plan (FYP).
- Total 15889 beneficiaries were benefitted in 50 villages & wards under CSR programme.
- Engaged 201 manpower under employee volunteerism with 675 manhours (350-395 Staffs).
- Imparted a NGO training on programme & implementation management.
- New initiatives taken as Supplementary Education, Free-Coaching on Govt. jobs, Watershed, Soybean Crop, Digital Classroom & Solar energy.
- **Stakeholders Involvement:**
  - ✓ Public Representatives: Ward counselors, Zila Samiti Member, Panchayat Samiti Member, Pradhan-Chittorgarh, Vice Chairman-Nagar Parishad, Sarpanch, Dy. Sarpnach, Panch, community leaders)
  - ✓ Govt. officials to GM DIC, CDEO, DEO, BEO, Dy. Director-ICDS, Dist. officer-ICDS, CMHO, PMO, DTO, Joint Director, Dy. Director-Veterinary, Hospital, Agri. officer, Horticulture, Scientist of Soil Institute, Krishi Vigyan Kendra, UIT Engineer, officer-Nagar parishad, OTHERS: CII Visit, IBM team Moreover sharing progress and good works in collector meeting also.



## Medical Camps



At Semalpura village



At Nagri village



At Chanderia



At Gurjar Khara village



At Balderkha village



At Achora village



# CSR Award for Corporate Governance & Sustainability Vision

Award Name:

**Corporate Governance & Sustainability Vision Award-2023**

Category: "Corporate Social Responsibility (CSR)"

Ranked: 1st

**Awarded to : Birla Corporation Limited-Chandaria Unit**

*By Indian Chamber of Commerce (ICC) at New Delhi*

**Date: 24<sup>th</sup> February 2023**



Unit Head Sh. Devesh Mishra, Sh. P.K. Singh (AVP-HR) & Ranjit Prasad (Manager-CSR) along with Award



Award presented by Mr. M. Nagaraju, Additional Secretary, Ministry of Coal, Dr Kirit S Parikh, Chairman, IRADe, Dr Bhaskar Chatterjee, Former DG & CEO of the Indian Institute of Corporate Affairs (IICA)

# Appreciation Received by Govt. of Rajasthan

**Appreciation by:**  
**District Collector & Health Department Office,**  
**Chittorgarh Govt. of Rajasthan**

**Category: Corporate Support**  
**Awarded to : Birla Corporation Limited-**  
**Chandaria Unit**

*For Initiative to T.B. Patient on Nutrition Support for*  
*Six Months*

*at Collector Office, Chittorgarh*

**Date: 20<sup>th</sup> March 2023**





## Recognition Received by Govt. Animal Husbandry Department, Chittorgarh



Birla corporation Limited-Chandaria Unit under Corporate Social Responsibility (CSR) honoured under the outstanding contribution in prevention & treatment of Lumpy skin Disease in cattle from Animal Husbandry Department, Chittorgarh under leadership of Shri. Devesh Kumar Mishra, Unit Head-Chandaria.

The felicitation was conferred at Animal Husbandry Department, Chittorgarh on 11<sup>th</sup> January' 2023.

Birla corporation Limited (BCL)-Chandaria Unit has received hounoured & certificate by Honourable Dr. Netrapal Singh (Joint Director- Animal Husbandry Department, Chittorgarh, Govt. of Rajasthan), Dr. Sumer Singh Rawat (Joint Director- Animal Husbandry Department, Chittorgarh, Govt. of Rajasthan) and Dr. Mukesh Kumar Meena (Govt. Animal Hospital, Nagari, Chittorgarh).

On this Occasion, Award received by representative of BCL-Chandaria Mr. Pradeep Kumar Singh (AVP-HR) and Mr. Ranjit Kumar Prasad (Manager-CSR) & other team members.



## Recognition Received by Govt. Medical Collage & Hospital, Chittorgarh



Birla corporation Limited-Chandaria Unit under Corporate Social Responsibility (CSR) was honoured from Govt. Medical Collage & Hospital, Chittorgarh for the special support in furniture arrangement during inspection of LOP-NMC which is crucial to get the approval for medical collage establishment.

The felicitation was conferred at Govt. Medical Collage & Hospital, Chittorgarh on 26<sup>th</sup> January' 2023.

Birla corporation Limited (BCL)-Chandaria Unit has received hounoured & certificate by Honourable Dr. Vijay Kumar Gupta (Principal & controller) Govt. Medical Collage & Hospital, Chittorgarh Govt. of Rajasthan.

On this Occasion, Award received by representative of BCL-Chandaria Mr. R.C Jhanwar (Factory Manager) and Mr. Jagdish Nagda (CSR).



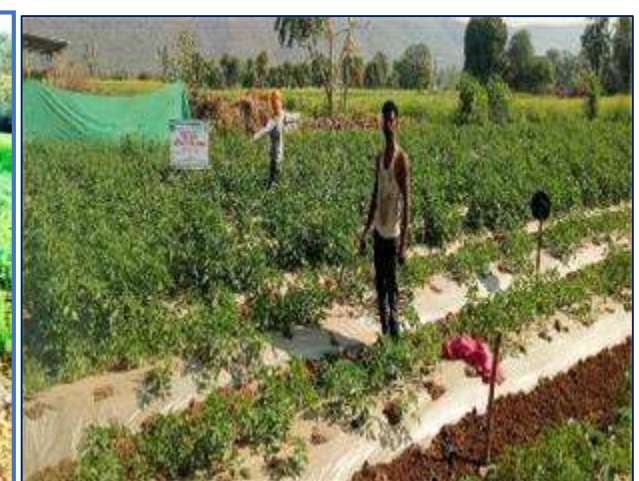
Received hounoured & certificate by Honourable Dr. Vijay Kumar Gupta (Principal & controller) Govt. Medical Collage & Hospital, Chittorgarh Govt. of Rajasthan.





# CSR PROGRAMME, FY: 2022-23

Programme	Beneficiary Covered	Key Achievements
Integrated Livelihood Project in a Watershed approach for farmers & underprivileged community (SMGVS)	932	<ul style="list-style-type: none"> <li>1 Anicut renovated, increased <b><u>19.8 acre under irrigation</u></b>, created <b><u>additional water storage 1046 Cub. Meter</u></b> for irrigation &amp; ground water recharge. Catchment area covered 522 Acre.</li> <li>More than 3 times creating value under poultry (mortality 17% than standard 20-25%).</li> <li>Improved local breed (by Q4 20, total 108 Goat Kit delivered)</li> <li>Replicating <b><u>&gt;90% farmers under green fodder, Mustard, fertilizer by 21 farmers.</u></b></li> <li><b><u>New Initiatives:</u></b> Strawberry cultivation, Honey bee for agri. yield, Poultry farming, Hatchery unit.</li> </ul>





# Key Results-Farm based

- Mr. Ratan Lal harvested 50 quintal Tomato and sold in Rs. 48000/- till March.
- 240 plants were planted on trial basis in Nagari village and it produced around 30 KGs of strawberry and sold in Rs. 7000/- till March.

## Poultry Farming :-

- Poultry birds supported in October and now birds started laying eggs. Thus, one Incubator provided to a poultry beneficiary so that hatching would start in project area and chicks can be available to beneficiaries easily.



Tomato ready for market at Piplipal



Strawberry cultivation at Nagari



Fresh strawberry at Nagari



Fresh strawberry at Nagari



Tomato ready for market at Piplipal



# Shaksham & Shiksha Sarathi Programme



Certification distribution of Beautician VT training at Ramdev JI Chanderia



Celebration of International women's Day at Ramdev Ji ka Chanderia



Enterprise Kit distribution of selected trainees (poor) at Ramdev JI Chanderia



Science exhibition programme at Achhora



# Ankuram & Arogya Programme



Free Health Checkup camp (Eye specialist)



Training to women on Nutrition



Meeting with Adolescent Girls on personal  
hygiene



Felicitation programme (ICDS worker and Mother of  
malnourished at Achhora)



# Infrastructure Development of Govt. School & Anganwadi Centres



## Support to Education & Anganwadi Centres:

- Renovated 2 Govt. School & constructed boundary wall at GUPS, Surjana.
- Handed over to school authority by Sh. Devesh Kumar Mishra, Unit Head BCL, Chanderia to School Prinicpal & SDMC, Sh. Pramod Dashora, CDEO, Education Department, School principal, School teachers, Sh. Pradeep Kumar Singh, AVP HR & admin, BCL and CSR team was present in the programme.
- Handover to 36 Sets (Double seater) of Furniture for students in two schools.
- Smart Digital class has setup at Govt. Higher Secondary School Nagari.
- Anganwadi renovation work completed and handed over to ICDS department in presence of Deputy Director ICDS, AVP- HR, BCL chanderia unit, CSR team, PRI and villagers at Bhilyakheda.



School renovation work handed over to School Principal



Renovation work of Anganwadi Bhilyakheda



Digital smart class handed over to school management at Nagari Village



Furniture Handed over to GUPS, Sirdi



# Infrastructure Development

## Drinking Water & Rural Infra. Works:

- RO water cooler handed over to Principal Medical Officer (PMO), Govt. Sanwariya Hospital by AVP HR & Admin, BCL Chanderia and Manager CSR, BCL Chanderia.
- Developed a circle for road safety purpose at Senth, Chittorgarh and handed over to Chairman, Nagar Parishad by AVP- HR & Admin, BCL Chanderia and Manager CSR, BCL Chanderia.
- Total 6 cattle trolley handed over to community in 6 villages (Dhordiya, Nagari, Gurjarkheda, Achhora, Semalpura and Damdama Village)
- 2 Drinking water tank for animals have complete at Dhordiya and hokampura village.
- Installed 65 solar lights in villages for purpose of safety & promoting security through green lighting solution.
- Community shed constructed & 2 Community hall constructed as per community purpose and handover the same to community.



Sh. Devesh Mishra, Unit head BCL Chanderia inaugurated Solar street light in Dhordiya Village



RO water Cooler Handed over at Govt. Sanwariya Hospital, Chittorgarh



Construction of Birla Circle under Road Safety at Senth, Chittorgarh



Community shed Handed over at Ward no. 60 Chanderia



Sh. Devesh Mishra, Unit Head Handed over cattle trolley to Dy. Serpanch and VDC at Dhordiya

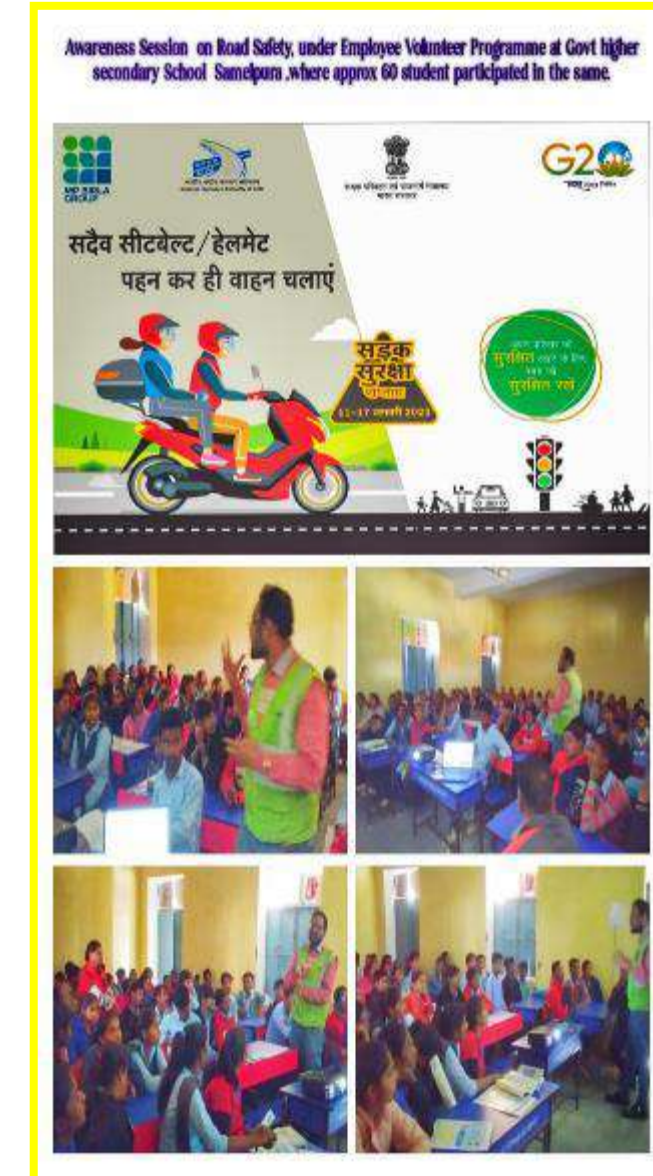


# Employee Volunteerism Programme

- Employees imparted sessions under EV on different programs:
- Total around 350-395 permanent Staffs/Employees

Parameters	UoM	YTD	Q4-Achiv.
Employees Engaged	No	201	38
EV Man-Hours	Hours	675.30	76.3

- ❑ EV Area: Education, Health & water, Environment, Infra. work as Civil
- ❑ Deptt. engaged Mines, SD, Civil Deptt., Account, HR, Electrical, purchase & Security





बिरला कारपोरेशन लिमिटेड कॉर्पोरेट गवर्नंस  
एंड सस्टेनेबिलिटी विजन पुरस्कार से सम्मानित



चितौड़गढ़ | इस वर्ष का इंडियन चैम्बर ऑफ कॉमर्स द्वारा दिया जाने वाला कॉर्पोरेट गवर्नेंस एंड सस्टेनेबिलिटी विजन पुरस्कार बिरला कॉर्पोरेशन लिमिटेड के नाम रहा। यह पुरस्कार कंपनी द्वारा गवर्नेंस एवं सामाजिक मापदंडों पर उत्कृष्ट प्रदर्शन को संपादित करता है। यह पुरस्कार अतिरिक्त सचिव, कोयला मंत्रालय एम. नागराजू, अध्यक्ष और पूर्व सदस्य योजना आयोग भारत सरकार डॉ. किरीट एस पारीक, पूर्व महानिदेशक और सीईओ भारतीय कॉर्पोरेट मामलों के संस्थान डॉ. भास्कर चटर्जी ने प्रदान किया। तेरहवें इंडियन कॉर्पोरेट गवर्नेंस एंड सस्टेनेबिलिटी

विजन समिट के मौके पर यह पुरस्कार कम्पनी के सीएसआर प्रबंधक, रंजीत कुमार प्रसाद और कॉर्पोरेट सीएसआर वरिष्ठ प्रबंधक सिबू जेना ने प्राप्त किया। इकाई प्रमुख देवेश कुमार मिश्रा ने कहा कि यह पुरस्कार सामाजिक उत्तरदायित्व एवं स्थायित्वता के प्रति कंपनी के व्यापक दृष्टिकोण का परिचायक है। उन्होंने कहा कि समाज के तानेबाने को दीर्घकालीन मजबूती देने के लिए सामाजिक उत्तरदायित्व का निर्वहन आवश्यक है। उद्योगों को कॉर्पोरेट सामाजिक उत्तरदायित्वों को अपनी नीतियों एवं व्यावसायिक गतिविधियों में अपनाना चाहिए।

## Media Coverage



चित्तौड़गढ़ ७। परिषदा विरला  
कांफेरेन्स लमिटेड इकाई चंदरिया  
की ओर से सामाजिक उत्तरदायित्व  
निविदियों को यूनिट हेड देवेश  
कुमार मिश्रा के मार्गदर्शन में लगातार  
स्वास्थ्य शिक्षा आजीविका कौशल  
पर्यावरण एवं विभिन्न सामाजिक क्षेत्र  
में बेहतरीन कार्य किया जा रहा है।  
सीएसआर निविदियों के अंतर्गत  
अंकुरम कार्यक्रम प्रियाशी  
एजुकेशनल क्लब्स ल सीएसपीटी की  
ओर से गांव आछोड़ा में सम्मान  
समारोह आयोजित किया गया।  
इसमें लक्षित सात गांव की  
आंगनवाडी कार्यकर्ताओं की टीम  
तथा गर्भवती व धात्री माता का  
सम्मान किया गया कार्यक्रम के  
दौरान महिला एवं बाल विकास  
अधिकारी समता घटनागर  
उपसंचालक रुचि गोरख के द्वारा  
भांडारी विद्यालय कार्यरत में

बिरला कॉर्पोरेशन लिमिटेड के वाइस प्रेसिडेंट प्रदीप सिंह एवं सीएसआर प्रमुख रंजीत प्रसद उपस्थित रहे। इस दौरान रंजीत प्रसाद द्वारा बिरला सीएसआर क अंतर्गत किए जा रहे कार्यों की जानकारी दी। वहीं प्रदीप सिंह द्वारा महिलाओं को प्रेरित करते हुए स्वास्थ्य विकास की दिशा में बेहतर प्रयास करने के लिए प्रोत्साहित किया। महिला एवं बाल विकास विभाग के उपसंचालक रुचि के की और से प्रियांशी एडुकेशनल कल्चर एवं सोशल सेंसायटी के द्वारा किया जा रहे पोषण विकास के प्रयासों का सराहना की। कार्यक्रम के दौरान अंगनवाड़ी कार्यकर्ताओं तथा उनकी टीम को भी सम्मानित किया गया। कार्यक्रम में परियोजना समन्वयक रचना सिंह, रेखा सुखवाल, राजश्रव ज्योशी उपस्थित रहे।

**बिरला सीमेंट द्वारा किया गया आंगनबाड़ी कार्यकर्ताओं का तथा माताओं का सम्मान**



विश्वविद्यालय (केन्द्रीय) के अध्यक्ष प्रो. ए.के. अग्रवाल ने कहा कि भारतीय संविधान एवं लोकतंत्र के मूल मूल्यों को सुरक्षित रखने के लिए संसदीय व्यवस्था को मजबूत करना आवश्यक है। उन्होंने कहा कि लोकतंत्र के अभाव में विकास नहीं हो सकता है। उन्होंने कहा कि लोकतंत्र के अभाव में विकास नहीं हो सकता है। उन्होंने कहा कि लोकतंत्र के अभाव में विकास नहीं हो सकता है।

[illegible]

गवर्नेस एंड सस्टेनेबिलिटी  
विजन पुरस्कार



चिन्तितगढ़। शैक्षणिक सेक्टर ऑफ कर्मस की ओर से दिया जाने वाला कॉर्पोरेट गवर्नंस एंड सस्टेनेबिलिटी विजान पुरस्कार विजया कॉर्पोरेशन लिमिटेड को मिला। यह पुरस्कार कंपनी ने गवर्नंस एवं सामाजिक मापदंडों पर ठोकाटु प्रदर्शन को सम्पादित करता है। पुरस्कार अतिरिक्त सचिव, कोयला मंत्रालय एम. नागराज, अध्यक्ष और पूर्व सदस्य योजना आयोग सारकार डॉ. किरिटी एस रावरा, पूर्व महाप्रबन्धक और सीओओ भारतीय कॉर्पोरेट गवर्नंस के संस्थान डॉ. मास्कर चटजी ने प्रदान किया। तदर्थ वे शैक्षणिक कॉर्पोरेट गवर्नंस एंड सस्टेनेबिलिटी विजान समिट के मौके पर यह पुरस्कार कंपनी के सीएसआर प्रबंधक रंजीत कुमार प्रसाद व कॉर्पोरेट सीएसआर प्रबंधक सिबू जेना ने प्राप्त किया। इसी प्रमुख देवेश कुमार मिश्रा ने कहा कि यह पुरस्कार सामाजिक उत्तरदायित्व एवं स्वायत्तता के प्रति कंपनी के व्यापक दृष्टिकोण को परिचायक है।

**बिरला सीमेंट ने किया आंगनबाड़ी कार्यकर्ताओं व माताओं का सम्मान**



विशालाग्रह, 21 जनवरी  
(काश्व) : जिला कार्यपालिका  
लिमिटेड इन्फर्न चरेरिया इल  
सामाजिक उन्नयनियत गतिविधिये  
तहत मुनिक डेज देवेरा कुमार मिश्र मे  
यापनदन मे लखतार इन्टरव्य शिक्षा  
आजीविक कौशल, गणकलन एव  
विभिन्न सामाजिक क्षेत्र मे कार्य किल  
ला येरै ।

सौराष्ट्र गतिविधियों के अंतर्गत अक्टूबर कार्यक्रम प्रियाजी एनकेनसाल बरतारस सोमनाथी द्वारा गीत आरंभित थे सावजन सावजो कार्यक्रम आयोजित किया गया जिसमें सभी स्थिति सात गांवों की अंगनवासी कार्यकर्ताओं की टीसी नर्तकीय धावी माताओं का सम्मान किया गया। इसमें अंतर्गत 2022-23 के दौरान गावडी माताओं तथा धावी माताओं ने अपना वचन अपने बच्चों के स्वास्थ्य, पोषण तथा विकास को दिशा में जीवन प्रसार में अग्रणी रही थे। उनका सम्मान किया गया।

[illegible]

## स्वामी तितोका नन्द जयन्ती पर जिले में हुए विविध आयोजन

[illegible]

# Annexure - 9

## Environment Management SD Cell

