

CCW-II / SD / L-29 / 822
30.05.2024

To,

✓ The Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Jaipur, B Wing – 213 & 214,
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 – October, 2023 to March, 2024.

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)

AVP (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.)

May/Jun 2024

ENVIRONMENT CLEARANCE COMPLIANCE STATUS REPORT PERIOD: OCTOBER 2023 TO MARCH 2024



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

Name & Location of the plant	:	M/s Birla Corporation Limited, Unit: New Chittor Cement Works, Chanderia, Distt: Chittorgarh (Raj.) - 312021					
Details of the existing and proposed products with production capacity:	:						
		S. N.	Unit	Existing EC Granted Capacity for	Existing Operation Capacity	Proposed Additional Capacity	Total capacity after Expansion
		1.	Clinker Production (MTPA)	-	Under construction	-	2.0
		2.	Cement Production (MTPA)	1.2	Under construction	1.5	2.7
		3.	Thermal Power Generation (MW)	-	-	80	80
		4.	Waste heat recovery Power Generation (MW)	-	-	6	6
Environmental Clearance Letter No.	:	EC No. J -11011 / 33 / 95 – IA – II (I) dated 08.05.2008 EC No. J -11011 / 506 / 2010 – IA – II (I) dated 11.09.2012.					
Period of the Compliance Report	:	From 01 st Oct. 2023 To 31 st Mar. 2024					



ENVIRONMENTAL CLEARANCE - COMPLIANCE REPORT


1.2 MTPA CEMENT PLANT “New Chittor Cement Works”

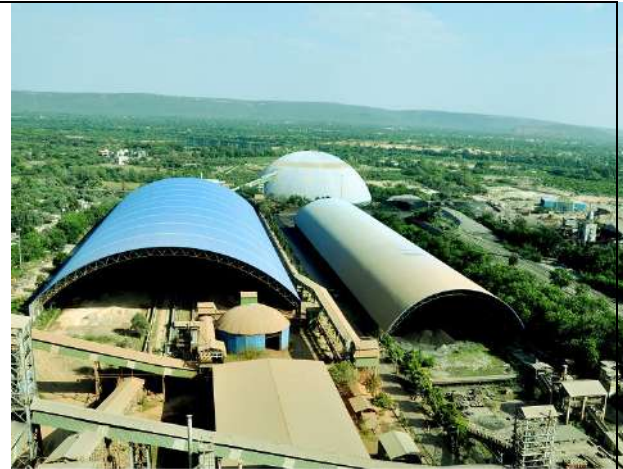
(also known as Chanderia Cement Works Unit- II)




at Chanderia, Distt. Chittorgarh, Rajasthan

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




A.	Specific Conditions	Compliance Status
(i)	The company shall comply with all the commitments made during public hearing held on 17 th February, 2005.	All the commitments made during Public Hearing are complied.
(ii)	The Company shall comply with all the conditions mentioned in No Objection Certificate issued by Rajasthan Pollution Control Board vide their letter no. F.12(1676) RPCB/NOC/ Grade.III/455 dated 31 st March, 2000 followed extension letter vide no.F.12(CH-47) RPCB/Grade.III /2037	Complied with all.
(iii)	The company shall obtain the fresh permission for the water supply and raw material supply to the plant within 3 months from competent authorities and submit the documents to the ministry and its regional Office at Lucknow.	Rainwater collected in captive mine 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 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.
		
	Mines Pit	Sewage Treatment Plant (500 KLD)




(v)	In the proposed cement plant, the company shall install bag filters for kiln, raw mill, cement mill and coal mill sections instead of ESP's as earlier planned by project authorities. The company shall ensure that the particulate emissions from the stacks of the proposed plant shall not exceed 50 mg / Nm ³ .	To ensure the stack emission 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 Annexure-1 .
(vi)	The company shall install continuous monitoring facility for particulate emission in all the stacks and interlock arrangement with the air pollution control equipment shall be provided. In case of increase in emission level the manufacturing process shall automatically stop so that no excess pollution load shall go into the environment.	<p>All the major stacks are attached with CEMS to monitor the emission level and real time data are being uploaded at RSPCB & CPCB servers.</p> <p>A fulltime contract has also being given to M/s Navco Eng Pvt Ltd & 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&I team for all emissions well within the limits.</p> <div data-bbox="938 892 1531 1350">  </div> <p style="text-align: center;">CEMS installed at Stacks</p>
(vii)	The company shall undertake regular ambient air quality monitoring at Chittorgarh fort and submit data to the Regional office of the Ministry of Environment and Forests and SPCB. The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Rajasthan State Pollution Control Board (RSPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	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 & 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 & Maintenance team at Plant level. Further the efficiency of the Bag filter is monitored & inspection is done periodically. Unit has also carried out Health & Hygiene survey by M/s Arvind Associates, Raipur for QLEA & 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;">Covered Shed for Raw Materials</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;">Road Sweeper</p>	 <p style="text-align: center;">Water Tanker</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 & 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 Annexure – 2.</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>Environment Lab is developed with sufficient, qualified & experienced manpower for regular monitoring. All laboratory staff are Graduate & Post graduate in Environment sciences and are well qualified & trained to perform different monitoring & analysis of emission and effluent parameters. Unit is ISO14001 certified from BVQI and maintains the prescribed standards.</p> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;">  <ul style="list-style-type: none"> Ambient Air Quality Monitoring Noise Level Monitoring Water Quality Monitoring Stack Monitoring Fugitive Emission Monitoring Work Place Monitoring </div> <p style="text-align: center;">Environment Lab</p>

(xiii)	Comprehensive Environmental Impact Assessment / Environmental Management Plan study must be carried out for existing and proposed cement unit and the captive mine due to proximity of the Chittorgarh fort before and after commissioning of the proposed cement plant.	Environmental Impact Assessment carried out before commissioning of the plant and another assessment carried out after commissioning and continuous operation of the plant.
(xiv)	A regular survey shall be carried out within the radius of 10 km of the cement plant to assess the impacts of cement plants and mines on the health of population and vegetation.	Being complied.
(xv)	The Company shall follow CPCB guidelines for development of green belt and control of secondary fugitive emissions. The company shall develop at least 30 m. wide uninterrupted green belt towards the chittorgarh Fort to mitigate the effect of residual and fugitive emissions.	More than 38% of the area is covered with greenbelt 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 & liquid, Textile industry sludge, FMCG, RDF & plastic waste etc.</p> <p>A dedicated AFR cell operates at Corporate & 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 9.34% and will lead 15% up to 2025.</p> <div data-bbox="909 1438 1485 1801" data-label="Image"> </div> <p>Storage & Feeding Area</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="911 487 1539 856">  </div> <p>Cement dispatch through Concor by Rail</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> & <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 & 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>  <p>Advance Life support Ambulance</p> </div>
(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&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 ₂ , NO _x) and particulate matter levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the units, the unit shall be immediately put out of pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	<p>Unit is maintaining PM, SO₂ & NO_x emissions within the prescribed limits of MoEF&CC Gazette notification for Cement Plant. As per the guidelines issued by CPCB during 2017 on Continuous Emission & 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 & Instrumentation Department regularly perform the inspection of all the analyzers periodically. The analyzers of emissions are calibrated & emissions are well within the prescribed limits. The emissions control equipment are well maintained by the Inspection & maintenance teams. Regular inspection & 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 & 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 Annexure - 3.</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 31.10.2028. 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 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>Rooftop rain water recharge well</p>	 <p>Rooftop rain water harvesting board</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 20,192 nos. of community members have been benefited so far in FY 2023-24. 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"> ➤ Education ➤ Health & Water ➤ Skill Development of Youth & Women ➤ Development of Rural Infrastructure ➤ Livelihood Enhancement <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 & 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.</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 AVP, Sustainable Development for Environment management and monitoring has been established by the unit as under:</p> <table border="1" data-bbox="911 342 1502 642"> <tr> <td colspan="3">Manpower engaged:</td></tr> <tr> <td>Assistant Vice President (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>03</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:			Assistant Vice President (Sustainable Development)	:	01	Sr. Manager	:	01	Manager	:	03	Assistants	:	04	Drivers	:	07
Manpower engaged:																				
Assistant Vice President (Sustainable Development)	:	01																		
Sr. Manager	:	01																		
Manager	:	03																		
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 / 3306 dtd 17.11.2023.</p> <p>Further six monthly compliance report is also being sent to CPCB / SPCB / MoEF&CC, Zonal office and also posted at Company's website: https://birlacorporation.com</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 http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied, 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 11th 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 ³ 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/Nm³. Low NOx burner provided to control NOx emission. Monitoring data are attached as Annexure – 1.</p>  <p>Stack Monitoring</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 Annexure - 4.</p>  <p>AAQ Monitoring</p>

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

(vi)	<p>Total water requirement shall not exceed 2,530 m³/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 & 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;">Mines Pit</p>	 <p style="text-align: center;">Sewage Treatment Plant (500 KLD)</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 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 Annexure – 7.</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 Pozzollona Portland Cement (PPC).	Manufacturing of flyash based cement is being increased regularly. During FY 2023-24 we have utilized 993806.825 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 & hygiene, educational support, drinking water facilities, supply & development of water hut / piau and employment to local resident.</p> <p>All the commitments have been completed and fund availability is not the constraints for Environment & Safety proposals. The detailed report of FY 2023-24 is attached as Annexure - 8.</p>
(xvi)	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program shall be ensured accordingly in a time bound manner.	Total expenditure from 2013-14 to 2023-24 is Rs 8.53 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, SO₂ & NO_x emissions within the prescribed limits of MoEF&CC Gazette notification for Cement Plant. As per the guidelines issued by CPCB during 2017 on Continuous Emission & 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 & Instrumentation Department regularly perform the inspection of all the analyzers periodically. The analyzers of emissions are calibrated & emissions are well within the prescribed limits. The emissions control equipment are well maintained by the Inspection & maintenance teams. Regular inspection & maintenance of pollution control equipment like Bag filter/ Bag Houses and ESPs are done regularly.</p> <div data-bbox="933 1272 1528 1732">  </div> <p style="text-align: center;">CEMS installed at Stacks</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 Annexure - 3.</p> <div data-bbox="922 443 1511 793">  </div> <p style="text-align: center;">Acoustic Enclosure</p>
(v)	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p>	<p>As per Factory Act, periodical medical examination is being carried out for all the employees on regular basis. 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 & 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;">Health Checkup Camp</p>

(vi)	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	Environment management measures shall be implemented.
(vii)	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Developed 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;">Rooftop rain water recharge well</p>	 <p style="text-align: center;">Rooftop rain water harvesting board</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 & 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 Annexure – 2.</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 20,192 nos. of community members have been beneficated so far in FY 2023-24. 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"> • Health Care • Rural Infrastructure • Education • Agriculture & Livelihood development initiatives • Skill development initiatives • Plantation activities in communities • Rainwater Harvesting measures • Women Empowerment <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="256 1444 1511 1787">  </div> <p style="text-align: center;">Agriculture Interventions by Agri. Machineries</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 667"> <tr> <td colspan="3">Manpower engaged:</td></tr> <tr> <td>Assistant Vice President (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>03</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:			Assistant Vice President (Sustainable Development)	:	01	Sr. Manager	:	01	Manager	:	03	Assistants	:	04	Drivers	:	07
Manpower engaged:																				
Assistant Vice President (Sustainable Development)	:	01																		
Sr. Manager	:	01																		
Manager	:	03																		
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 / 3306 dtd 17.11.2023.</p> <p>Further six monthly compliance report is also being sent to CPCB / SPCB / MoEF&CC, Zonal office and also posted at Company's website: https://birlacorporation.com.</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 31st 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 http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Lucknow.	Complied, same has been advertised within seven days from the clearance in 2 local newspaper widely circulated in the region.

Annexure - 1



TEST REPORT

**VIBRANT**

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/2401160013/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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 : 13/01/2024 To 13/01/2024
Sampling duration (Minutes) : 27 Min. (11:00 to 11:27 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) : 27
Temperature of Stack Gases - Ts (°C) : 128
Velocity of Stack Gases (m/sec.) : 11.75
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	12.00	mg/Nm3	30
2	Sulphur Dioxide (SO ₂) at 10% O ₂	IS: 11255(P- 2): 1985, RA.2019	2.67	mg/Nm3	100
3	Carbon Dioxide (CO ₂)	USEPA 3A: 1989	21.30	%	--
4	Oxygen	USEPA 3A: 1989	10.15	%	--
5	Oxide of Nitrogen (NO ₂)	IS-11255 (P-7), RA 2017	400.15	mg/Nm3	800

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

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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Vibrant Techno Lab Pvt. Ltd.

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com



VIBRANT

Sample Number: VTL/S/14

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/2401160014/A
Format No : 7.8 F-03
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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 : 13/01/2024 To 13/01/2024
Sampling duration (Minutes) : 53 Min. (12:00 to 12:53 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) : 28
Temperature of Stack Gases - Ts (°C) : 125
Velocity of Stack Gases (m/sec.) : 5.99
Flow rate of PM (LPM) : 19
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	6.85	mg/Nm3	30

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

End of Report

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[Signature]



RK Yadav
Lab Incharge
Authorized Signatory
[Signature]



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TEST REPORT

**VIBRANT**

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/2401160015/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 23/01/2024

Period of Analysis : 16/01/2024-23/01/2024

Receipt Date : 16/01/2024

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 : 12/01/2024 To 12/01/2024
Sampling duration (Minutes) : 30 Min. (18:30 to 19:00 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) : 28
Temperature of Stack Gases - Ts (°C) : 95
Velocity of Stack Gases (m/sec.) : 9.60
Flow rate of PM (LPM) : 33
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	3.20	mg/Nm3	30

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

End of Report

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TEST REPORT



VIBRANT

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/2401160016/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 23/01/2024

Period of Analysis : 16/01/2024-23/01/2024

Receipt Date : 16/01/2024

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 : 12/01/2024 To 12/01/2024
Sampling duration (Minutes) : 35 Min. (16:00 to 16:35 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) : 28
Temperature of Stack Gases - Ts (°C) : 92
Velocity of Stack Gases (m/sec.) : 8.16
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	10.00	mg/Nm3	30

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

End of Report

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TEST REPORT



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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

Report No. : VTL/S/2401160019/A

Format No : 7.8 F-03

Party Reference No : NIL

Report Date : 23/01/2024

Period of Analysis : 16/01/2024-23/01/2024

Receipt Date : 16/01/2024

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 : 13/01/2024 To 13/01/2024
Sampling duration (Minutes) : 23 Min. (18:00 to 18:23 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) : 26
Temperature of Stack Gases - Ts (°C) : 86
Velocity of Stack Gases (m/sec.) : 12.32
Flow rate of PM (LPM) : 44
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	1.60	mg/Nm3	30
2	Moisture	IS-11255 (P-3), RA 2018	0.61	%	--

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

End of Report

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Annexure - 2

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

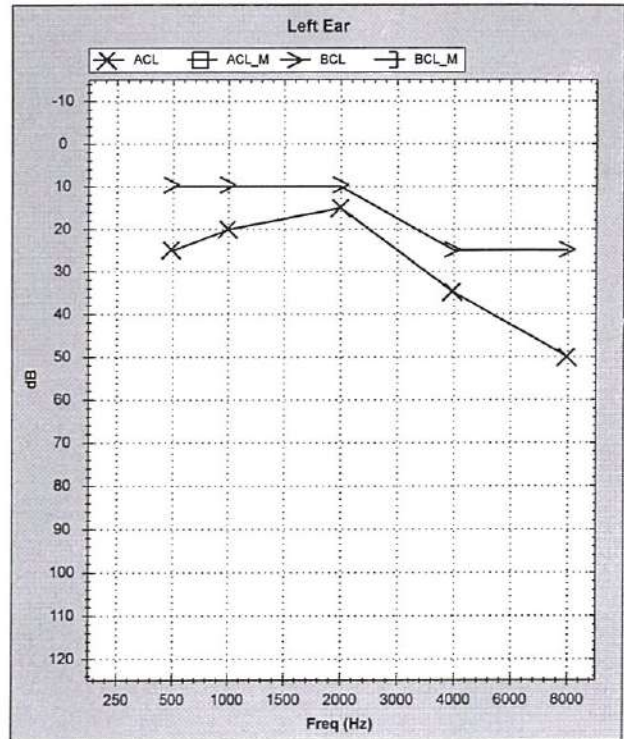
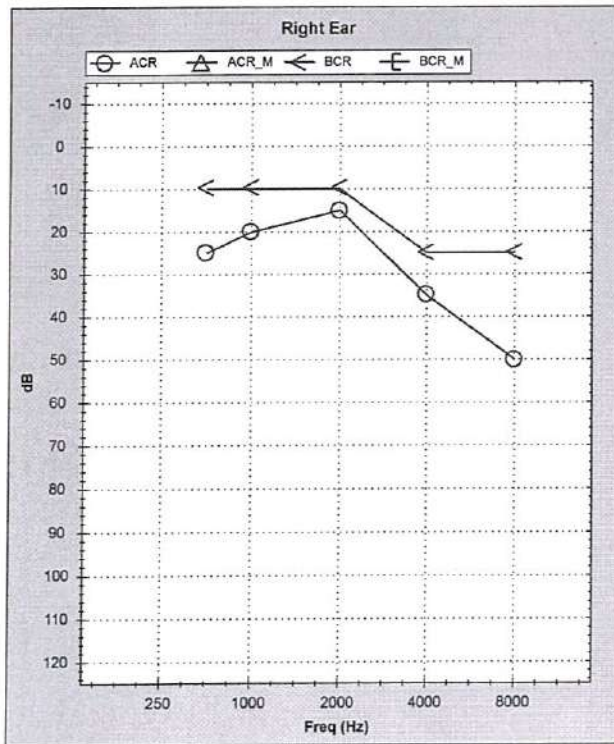
Comments:

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

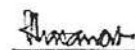
EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

TEST NAME	VALUE	UNITS	REF. RANGE
HAEMOGLOBIN	13.3	g/dl	13.0 - 17.0
RBC Count	5.82	10 ⁶ /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
DIFFERENTIAL COUNT			
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

Authorised

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

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

Page 1 of 1

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

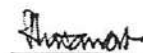
Error: Subrenort could not be shown.

-----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.

Authorised

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Dr. R S SHAKTAWAT
MBBS,MD (AFMC PUNE)
RMC 43723/18167

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

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

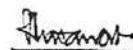
EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

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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BIOCHEMISTRY

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Class	: OPD	Vch No	: 1516399
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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

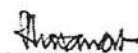
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Current Loc	:	Received Dt	: 10/08/2023 06:51 PM
Sample No	: 23065388	Reported On	: 11/08/2023 09:42 AM

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-----

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

BIOCHEMISTRY

Patient Name	: MR. GOPAL BANJARA -6174	IP / OP No	: 1043546
Ordered Loc	: Hospital OPD	Gender	: Male
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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

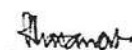
TEST NAME	VALUE	UNITS	REF. RANGE
-----------	-------	-------	------------

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

Error: Subreport could not be shown.

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

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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
-----------	-------	-------	------------

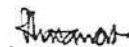
Urine Albumin Absent

Urine Sugar Present +++

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

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

195



FORM 19 (Prescribed under Rule 65-SS)

Health Register

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

PERIODICAL MEDICAL EXAMINATION

Part-1 (General physical examination)

Identification Mark.....

1. General development- Good/ Fair /Poor
2. HeightCms 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 ₁)			
FEV ₁ /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. - RMC/161787
 MP Birla Hospital & Research Centre
 Santchi Chittorgarh (Raj.) 312025

Part- 3
Periodic medical examination
स्व-घोषणा प्रपत्र

स्वास्थ्य स्थिति प्रश्नावली

कर्मचारी संख्या:- 25-471

तारीख:- 10.8.23

नाम:- Anil Bhai

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 Anil Bhai

तारीख:- 10.8.23

MP BIRLA HOSPITAL & RESEARCH CENTRE

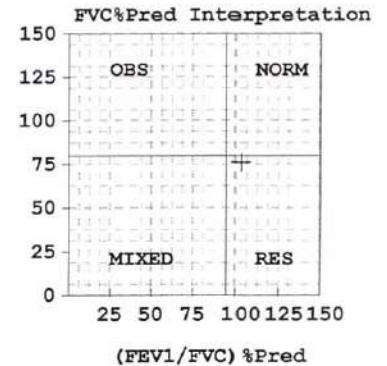
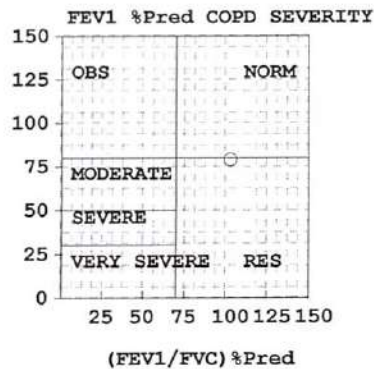
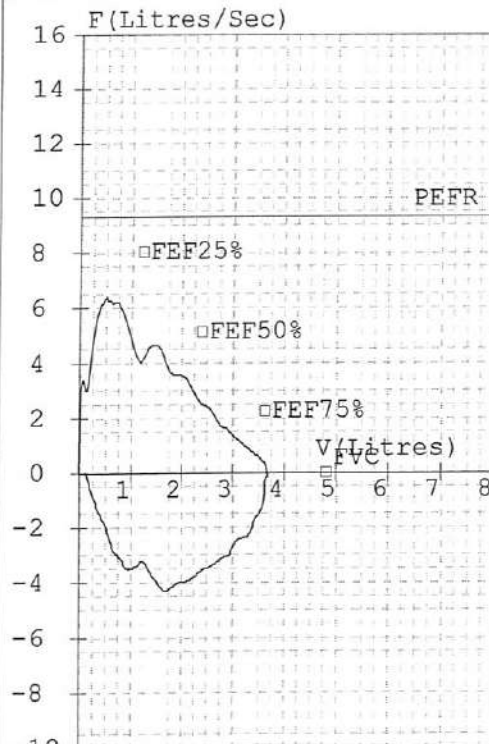
Birla Hospital Road, Senth, Chittorgarh-312025



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

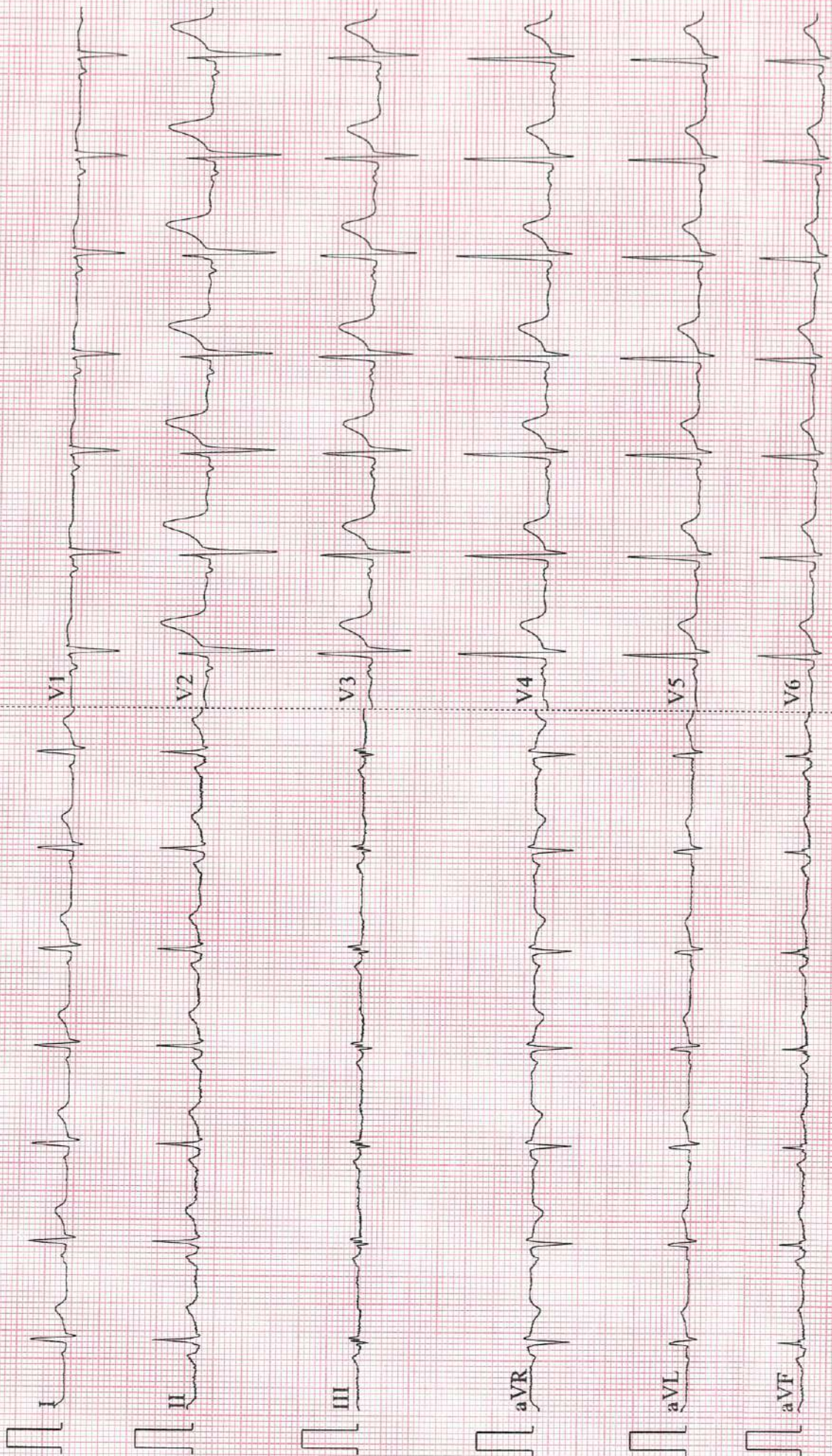
mV

Diagnosis Information:

Sinus Rhythm

Largd PtfV1

Report Confirmed by:



5619/3886

Audiometric Evaluation Report

Patient:

Digvijay singh Rao
Male
37 Years 7 Months

Session Date : 8/5/2023 3:49:01 AM

Audiometry conducted by:

MP BIRLA HOSPITAL & RESEARCH CENTRE

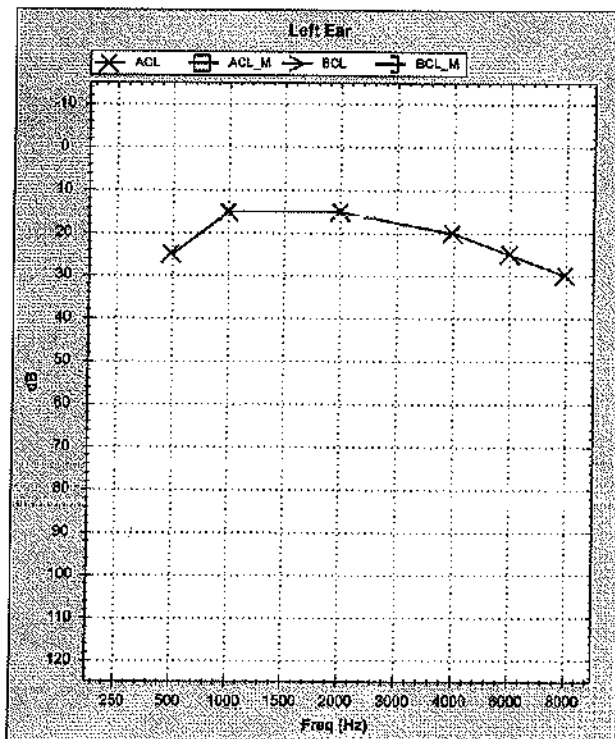
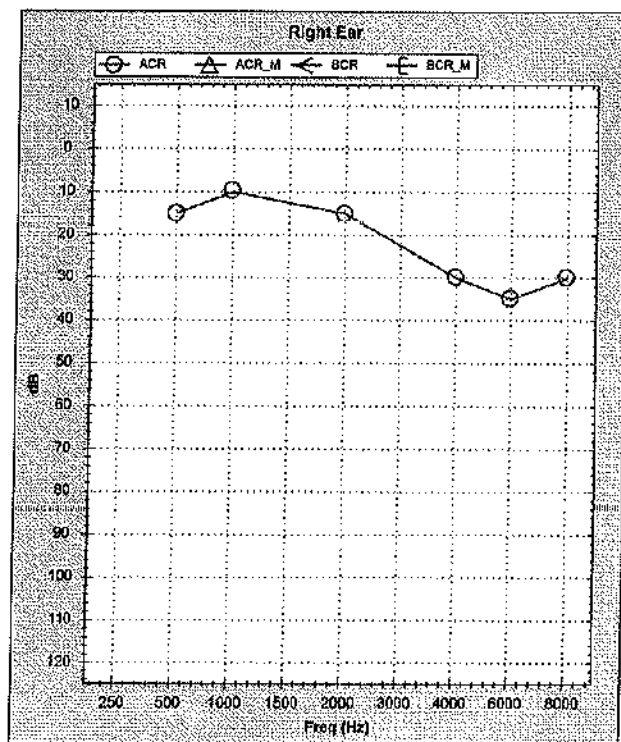
Comments:

B/L Both Ear hearing are normal.

Authorized Signatory
SHAGHWAT KUMAR
BASLP, MASLP
Dept. of Audiology

TBA-13 dB HL

TBA-18 dB HL



Recommendation
→ Care of ear
→ R/O

HAEMATOLOGY

Patient Name	: MR. DIGVIJAY SINGH RAO 5799	IP / OP No	: 1001167
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 0 M 1 D
Class	: OPD	Vch No	: 1514111
Current Loc	:	Received Dt	: 05/08/2023 05:08 PM
Sample No	: 23062006	Reported On	: 05/08/2023 06:11 PM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

TEST NAME	VALUE	UNITS	REF. RANGE
HAEMOGLOBIN	15.2	g/dl	13.0 - 17.0
RBC Count	4.80	10 ⁶ /ul	4.5 - 5.5
Haematocrit (P.C.V.)	44.1	%	40.0 - 50.0
Mean Corpuscular Vol (MCV)	91.8	fL	83.0 - 102.0
Mean Corpuscular Hb.(MCH)	31.7	pg	27.0 - 32.0
Mean Corp.HB.Con (MCHC)	34.6	g/dl	31.5 - 34.5
WBC COUNT	6,210	/cmm	4000 - 10000
DIFFERENTIAL COUNT			
Neutrophils	57	%	40 - 80
Lymphocytes	32	%	20 - 40
Eosinophil	4	%	1 - 6
Monocytes	7	%	2 - 10
Basophils	0	%	0 - 2
PLATELET COUNT	1.66	lakh/cu mm	1.5 - 4.2
RDW - CV	13.8	%	
RDW - SD	43		
MPV	11		

Error: Subreport could not be shown.

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

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Current Loc	:	Received Dt	: 05/08/2023 05:08 PM
Sample No	: 23062006	Reported On	: 05/08/2023 06:11 PM

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

BLOOD GROUP AB

AGGLUTINATION METHOD.

RH TYPE Positive

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Patient Name	: MR. DIGVIJAY SINGH RAO 5799	IP / OP No	: 1001167
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Class	: OPD	Vch No	: 1514111
Current Loc	:	Received Dt	: 05/08/2023 05:08 PM
Sample No	: 23062007	Reported On	: 07/08/2023 09:46 AM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

TEST NAME	VALUE	UNITS	REF. RANGE
BLOOD UREA <i>Kinetic (Urease/GLDH)</i>	18.8	mg/dl	19 - 55
CREATININE <i>(Jaffe)</i>	0.8	mg/dl	0.70 - 1.40

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Current Loc	:	Received Dt	: 05/08/2023 05:08 PM
Sample No	: 23062007	Reported On	: 07/08/2023 09:46 AM

LFT			
TEST NAME	VALUE	UNITS	REF. RANGE
S.G.O.T (IFCC Without Pyridoxal Phosphate.)	55.6	U/L	0 - 50
S.G.P.T (IFCC Without Pyridoxal Phosphate.)	36.2	U/L	0 - 50
TOTAL BILIRUBIN (Diazo Special)	0.5	mg/dl	Upto 1.4
DIRECT BILIRUBIN (Diazo Malloy)	0.1	mg/dl	0 - 0.2
INDIRECT BILIRUBIN (Calculated)	0.4		
TOTAL PROTEIN Biuret	7.7	g/dL	6.6 - 8.3
ALBUMIN (BCG)	4.1	gms/dl	3.5 - 5.2
GLOBULIN CALCULATED	3.6	gm/dL	
A/G RATIO (Calculated)	1.1	%	
ALKALINE PHOSPHATASE (IFCC)	86	U/L	30 - 120
GAMMA GT (GGT)	14.2	U/L	0 - 55

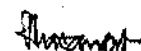
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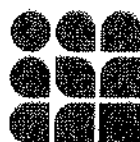
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CONSULTANT PATHOLOGIST & MICROBIOLOGIST



MP BIRLA
GROUP

MP Birla Hospital & Research Centre

BIOCHEMISTRY

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Sample No	: 23062007	Reported On	: 07/08/2023 09:46 AM

LIPID PROFILE			
TEST NAME	VALUE	UNITS	REF. RANGE
CHOLESTEROL	163	mg/dl	0 - 200
CHOD-POD			
TRIGLYCERIDES	123	mg/dl	0 - 150
(GPO-POD)			
HDL CHOLESTEROL	43	mg/dl	23 - 92
LDL CHOLESTEROL	95	mg/dl	0 - 100
CALCULATED			
VLDL	24.6	mg/dl	< 30
CALCULATED			
CHOL/HDL RATIO	3.8	mg/dl	3.40 - 4.40

Error: Subreport could not be shown.

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

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MBBS, MD (AFMC PUNE)
RMC 43723/18167

Printed By : 10415 on 07/08/2023 01:18 PM

CONSULTANT PATHOLOGIST & MICROBIOLOGIST

BIOCHEMISTRY

Patient Name	: MR. DIGVIJAY SINGH RAO 5799	IP / OP No	: 1001167
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 0 M 1 D
Class	: OPD	Vch No	: 1514111
Current Loc	:	Received Dt	: 05/08/2023 05:08 PM
Sample No	: 23062008	Reported On	: 05/08/2023 05:50 PM


EMPLOYEE HEALTH CHECKUP BCW/GCW CAMP-2023

TEST NAME	VALUE	UNITS	REF. RANGE
PLASMA GLUCOSE RANDOM	98	mg/dl	70 - 140

Error: Subreport could not be shown.

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

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



Dr. R S SHAKTAWAT
MBBS,MD (AFMC PUNE)
RMC 43723/18167

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CONSULTANT PATHOLOGIST & MICROBIOLOGIST

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Page 1 of 1

CLINICAL PATHOLOGY

Patient Name	: MR. DIGVIJAY SINGH RAO 5799	IP / OP No	: 1001167
Ordered Loc	: Hospital OPD	Gender	: Male
Ordered By	: Dr. . . Physician	Age	: 38 Y 0 M 1 D
Class	: OPD	Vch No	: 1514111
Current Loc	:	Received Dt	: 05/08/2023 05:08 PM
Sample No	: 23062009	Reported On	: 05/08/2023 05:54 PM

EMPLOYEE HEALTH CHECKUP BCW/CCW CAMP-2023

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

Urine Albumin Absent

Urine Sugar Absent

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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Annexure - 3



TEST REPORT



VIBRANT

"Experience the unimaginable"
Sample Number : VTL/AN/01

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

Report No. : VTL/N/2401160001/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/01/2024
Receipt Date : 16/01/2024
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 : Near CCW Crusher
Instrument Code : VTL/SLM/02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	63.1	49.1

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



RK Yadav
Lab Incharge
Authorized Signatory



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TEST REPORT



TC-11227

VIBRANT

"Experience the unimaginable"

Sample Number : VTL/AN/03

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/2401160003/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/01/2024
Receipt Date : 16/01/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : At STP
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 13/01/2024 To 14/01/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	56.3	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



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TEST REPORT

**VIBRANT**

"Experience the unimaginable"

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/2401160004/A
 Format No : 7.8 F-04
 Party Reference No : NIL
 Report Date : 23/01/2024
 Receipt Date : 16/01/2024
 Sampling Duration : 24 Hrs.
 Sample Collected : VTL Team
 Instrument : Calibrated
 Calibration Status

General Information:-

Sampling Location : Admin Building
 Instrument Code : VTL/SLM/02
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 13/01/2024 To 14/01/2024
 Time of Monitoring : 06:00 TO 06:00 Hrs.
 Ambient Temperature (°C) : Min. 08°C Max. 24°C
 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	57.8	44.3

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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VIBRANT

"Experience the unimaginable"

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/2401160005/A
Format No : 7.8 F-04
Party Reference No : NIL
Report Date : 23/01/2024
Receipt Date : 16/01/2024
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status

General Information:-

Sampling Location : Near 132 KV Sub Station
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 06:00 TO 06:00 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	61.9	48.3

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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Annexure - 4



TEST REPORT



VIBRANT

"Experience the unimaginable"

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/2401160002/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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/07
Coordinates : 24°55'42" & 74°37'57"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 10:15 TO 10:15 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	67.85	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	32.41	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	15.32	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.87	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	8.23	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	14.32	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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TEST REPORT

VIBRANT

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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/2401160002/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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/07
Coordinates : 24°55'42" & 74°37'57"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 10:15 TO 10:15 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	0.51	mg/m ³	4

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

End of Report

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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/2401160003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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/04
Coordinates : 24°55'17" & 74°37'50"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 10:35 TO 10:35 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	73.69	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	36.78	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	17.26	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	11.34	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	8.79	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	13.41	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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TEST REPORT

VIBRANT

"Experience the unimaginable"

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/2401160003/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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/04
Coordinates : 24°55'17" & 74°37'50"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 10:35 TO 10:35 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	0.54	mg/m ³	4

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

End of Report



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TEST REPORT



VIBRANT

"Experience the unimaginable"

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/2401160004/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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/02
Coordinates : 24°55'57" & 74°38'32"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 09:35 TO 09:35 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	79.89	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	37.85	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.48	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	12.74	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	10.23	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	15.78	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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TEST REPORT

VIBRANT

"Experience the unimaginable"

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/2401160004/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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/02
Coordinates : 24°55'57" & 74°38'32"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 09:35 TO 09:35 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	0.56	mg/m ³	4

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

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.

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TEST REPORT



VIBRANT

"Experience the unimaginable"
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/2401160005/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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/01
Coordinates : 24°56'34" & 74°37'50"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 09:15 TO 09:15 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	74.01	µg/m³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	35.98	µg/m³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.06	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.89	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	9.13	µg/m³	400
7	Ozone (as O3)	IS 5182 (P-9):1974, RA.2019	13.49	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

VIBRANT

"Experience the unimaginable"

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/2401160005/B
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024

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/01
Coordinates : 24°56'34" & 74°37'50"
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 12/01/2024 To 13/01/2024
Time of Monitoring : 09:15 TO 09:15 Hrs.
Ambient Temperature (°C) : Min. 08°C Max. 24C
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	0.56	mg/m ³	4

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

End of Report

VIBRANT
"Experience the unimaginable"



Checked by
[Signature]



RK Yadav
Lab Incharge
Authorized Signatory
[Signature]

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Annexure - 5



प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

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

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

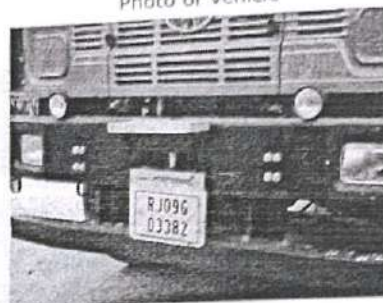
(Rule 115 of CMV Rules 1989)

16144150

Pucc No :	D10RJ09126607
Vehicle No :	RJ09GD3382
Customer Name :	BIRLA CO.
Customer Mobile :	8107710761
Year of Regn :	07-06-2022
Type of Vehicle :	OTHERS
Make :	Tata Motors
Model :	H G V
Test Date :	03-08-2023
Time :	03:09:44 PM
Valid UpTo :	02-08-2024
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
614		1808	NA

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	620	1914	0.55	21.1	NA
2	613	1840	0.44	17.1	NA
3	675	1846	0.52	20.1	NA
Mean			0.50	19.4	

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 : RJ09GD3382
PUC No. : D10RJ09126607
Valid up to : 02-08-2024
Scan QR Code to Validate



Veh Reg No : RJ09GD3382
PUC No. : D10RJ09126607
Valid up to : 02-08-2024
Scan QR Code to Validate

1/24, 5:58 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)

19095558

Pucc No :	D62RJ06103065
Vehicle No :	RJ09UA6653
Customer Name :	BIRLA CORPORATION LTD.
Customer Mobile :	7014555637
Year of Regn :	01-12-2015
Type of Vehicle :	D.VAN
Make :	Mahindra & Mahindra
Model :	BOLERO
Test Date :	01-02-2024
Time :	05:56:43 PM
Valid UpTo :	31-07-2024
Center Name :	Charbhuj Mobile PUC Center, (RJ06-GC-7204)
Center Address :	Asind, Bhilwara
Licence No :	RJ06-61/62
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle				
Avg	RPM Min	RPM Max	Temp	
613		2085	0	

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	636	2056	0.722	26.7	000.0
2	636	2017	0.614	23.2	000.0
3	636	2019	0.710	26.3	000.0
Mean			0.682	25.4	

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 / 42

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

D62RJ06

Authorised Signatory

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 : RJ09UA6653
PUC No. : D62RJ06103065
Valid up to : 31-07-2024
Scan QR Code to Validate



Veh Reg No : RJ09UA6653
PUC No. : D62RJ06103065
Valid up to : 31-07-2024
Scan QR Code to Validate

Rajasthan 2024-05-30 08:55

1/24, 6:04 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)

19095562

VALID IN ALL INDIA

Photo of Vehicle



Pucc No :	P61RJ06102843
Vehicle No :	RJ09CB4915
Customer Name :	BIRLA CORPORATION LTD.
Customer Mobile :	9413245482
Year of Regn :	12-04-2016
Type of Vehicle :	4 Wheeler
Type of Engine :	4 STROKE
Make :	Maruti Udyog
Model :	CIAZ
FUEL :	PETROL
Test Date :	01-02-2024
Time :	06:04:11 PM
Valid UpTo :	31-07-2024
Center Name :	Charbhujia Mobile PUC Center, (RJ06-GC-7204)
Center Address :	Asind, Bhilwara
Licence No :	RJ06-61/62
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.



Petrol Test		Gas Test		Unit
Pres STD	Measured level	Pres STD	Measured level	
CO 3.0	1.01	--	--	% Vol
HC 1500	417	--	--	PPM
CO2 --	5.63	--	--	% Vol
O2 --	3.21	--	--	PPM

At High Idel RPM 2300 - 2700

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

Get Certificate renewed within the expiry date.

Seal of Testing Station

Testing Station Code

Authorised Signatory

P61RJ06

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 : RJ09CB4915

Veh Reg No : RJ09CB4915

PUC No. : P61RJ06102843

PUC No. : P61RJ06102843

Valid up to : 31-07-2024

Valid up to : 31-07-2024

Scan QR Code to Validate

Scan QR Code to Validate

R K Sahu | 2024.05.30

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :

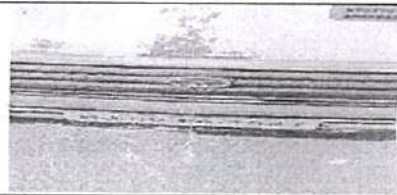
GOVERNMENT OF RAJASTHAN

Date : 13/03/2024
 Time : 11:13:13 AM
 Validity upto : 12/09/2024



Certificate SL. No. : RJ00900290000241
 Registration No. : RJ09PA1943
 Date of Registration : 15/Dec/2010
 Month & Year of Manufacturing : November-2010
 Valid Mobile Number : *****7939
 Emission Norms : EURO 3
 Fuel : DIESEL
 PUC Code : RJ0090029
 GSTIN :
 Fees : Rs.100.00
 MIL observation : No

Vehicle Photo with Registration plate
 60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.56

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Pollution Under Control Certificate

[See rules 115 (2)]

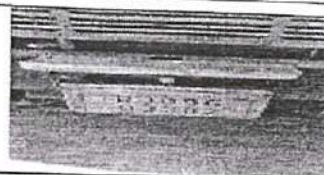
Authorised By
GOVERNMENT OF RAJASTHAN

Date : 23/02/2024
Time : 13:52:13 PM
Validity upto : 22/02/2025



Certificate Sl. No. : RJ00900290000105
Registration No. : RJ09GD3382
Date of Registration : 24/Mar/2022
Month & Year of Manufacturing : November-2021
Valid Mobile Number : *****9732
Emission Norms : BHARAT STAGE VI
Fuel : DIESEL
PUC Code : RJ0090029
GSTIN :
Fees : Rs.100.00
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm

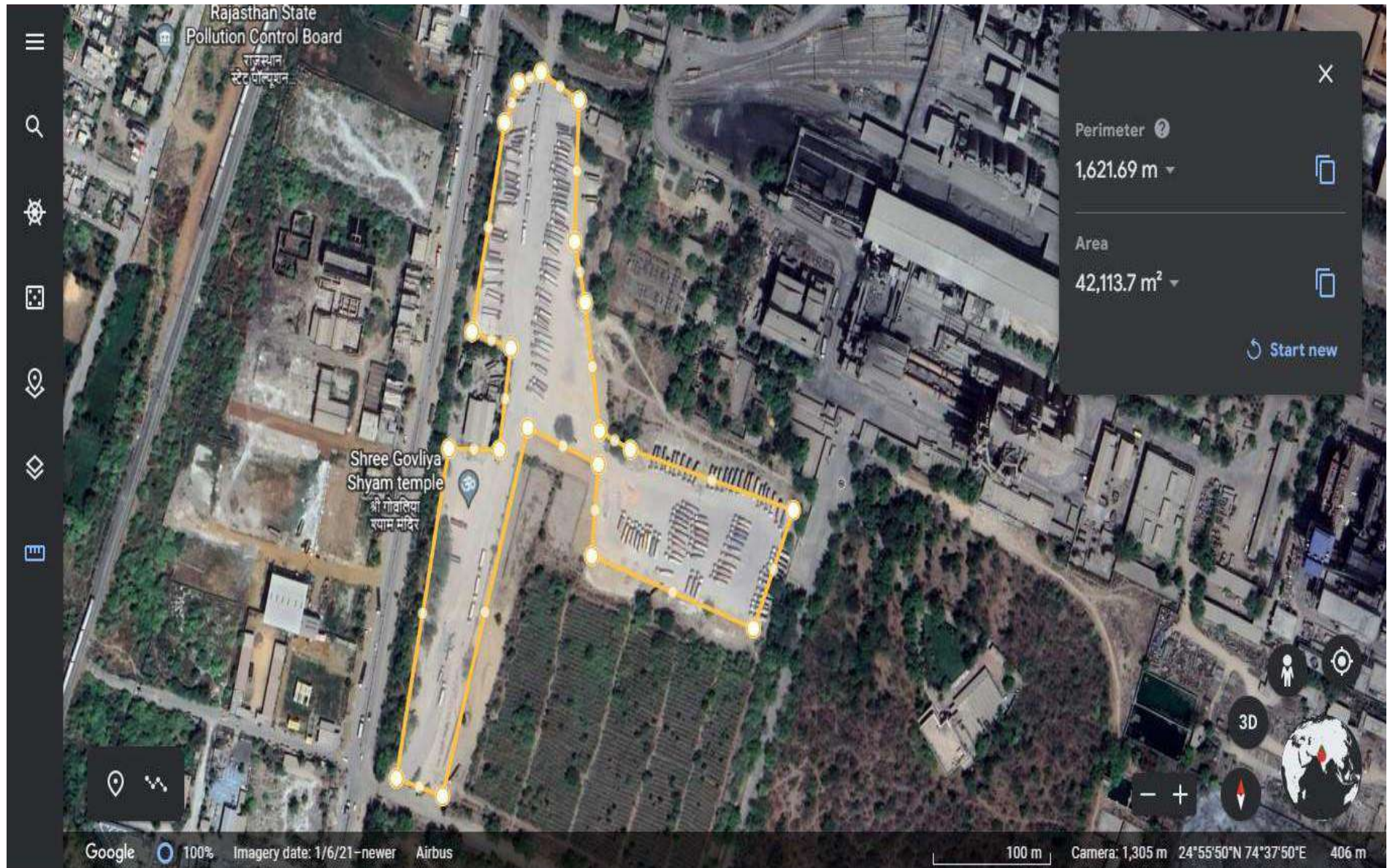


Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	0.7	0.45

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Annexure - 6



Annexure - 7



TEST REPORT



TC-11227

VIBRANT

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 : --

ULR No. : TC112272400000093F
Report No. : VTL/WW/2401160003/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024
Sampling Date : 12/01/2024
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	4.03	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	4.03	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	15.11	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	0.13	mg/l	3

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

End of Report

VIBRANT
"Experience the unimaginable"



Checked by
[Signature]



RK Yadav
Lab Incharge
Authorized Signatory
[Signature]



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VIBRANT

"Experience the unimaginable"

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/2401160003/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/01/2024

Period of Analysis : 16/01/2024-23/01/2024

Receipt Date : 16/01/2024

Sampling Date : 12/01/2024

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Phosphate (as PO ₄)	IS:3025 (P-31):1988, (stannous Chloride Method) Sec.3 RA: 2022	0.06	mg/l	5

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

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory

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Page No. 1/1

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Term & conditions PTO



TEST REPORT



VIBRANT

"Experience the unimaginable"
Sample Number : VTLWWW/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. : TC112272400000096F
Report No. : VTLWWW/2401160006/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024
Sampling Date : 13/01/2024
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.46	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	39.85	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	0.23	mg/l	1
5	Ammonical Nitrogen (as NH ₃ -N)	IS: 3025 (P-34) : 1988, Sec.4 RA: 2022	8.45	mg/l	50
6	Nitrate Nitrogen (as NO ₃)	IS: 3025 (P-34): 1988, (Chromotropic Method) Sec.RA:2022	4.98	mg/l	--
7	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	13.50	mg/l	30
8	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	42.01	mg/l	250
9	Sulphide (as S)	IS: 3025 (P-29) :1986 Idometric, RA :2019	0.42	mg/l	2

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

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



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Vibrant Techno Lab Pvt. Ltd.

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www.vibranttechnolab.com



TEST REPORT

VIBRANT

"Experience the unimaginable"

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/2401160006/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/01/2024
Period of Analysis : 16/01/2024-23/01/2024
Receipt Date : 16/01/2024
Sampling Date : 13/01/2024
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	136.89	mg/l	--
2	Fecal Coliform	IS 1622, 2009	29	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

Page No. 1/1

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9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Annexure - 8

CSR ANNUAL REPORT

2023-24

Unit: Chanderia, Dist.- Chittorgarh, Rajasthan



BIRLA CORPORATION LIMITED

Unit: Birla Cement Works & Chanderia Cement Works
Chittorgarh, Rajasthan

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Corporate Social Responsibility (CSR) FY 2023-24, Chandaria

A. Executive Summary:

Company is being implemented CSR programme as per our CSR policy at nearby business operation area of Chandaria unit, District Chittorgarh. The intervention approach has adopted for benefitting to mostly weaker sections of the society those belongs to surrounding community. Company has dedicated corporate CSR cell and unit level CSR department; annual budget is planned and approval from the Board of Director. The approved budget is being allocated at the unit levels. The unit has incurred the budget as per allocation and approved programme.

CSR programme and project are designed through Five year plan, perspective plan and yearly planning, The details of annual plan discussed and appraised by senior management for checking feasibility and impact on community within timeline before final consideration under respective CSR themes like Livelihood Enhancement (SAMIRIDDHI), Education (SHIKSHA SARATHI), Mother & Child Health care (ANKURAM), Healthcare (AROGYA), Water (JAL-DHARA), Skill Development (SHAKSHAM), Rural Infrastructure and Environment & Renewable Energy (HARIT-URJA).

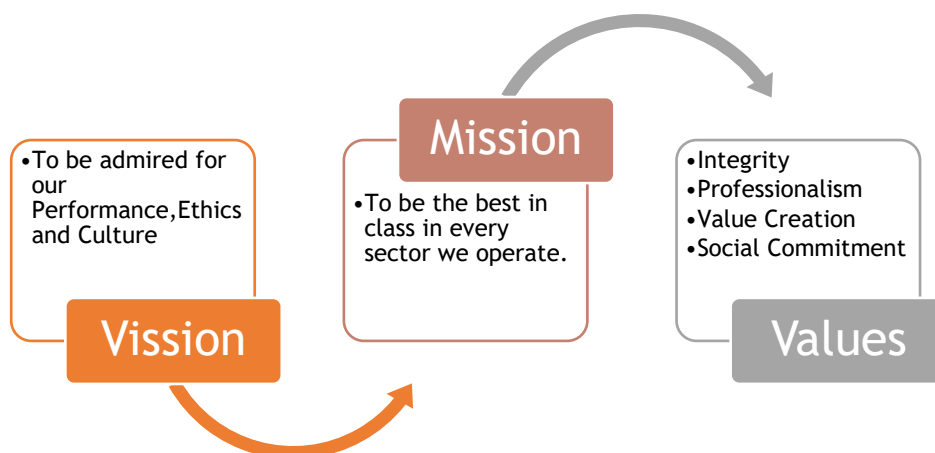
We are implementing the CSR programmes as Directly and Indirectly both manners, direct means these programmes execute by CSR team and indirect means these programmes implementing by NGO partners as expert. Long term programmes are being implemented by NGO partners i.e. Sarv mangal Grameen Vikas Sansthan (SMGVS) & Priyanshi Educational, Cultural and Social Society (PECSS). The representatives of NGOs have reformulated projects after extensive field study and interaction with the community, before the commencement of project expert team also performed baseline survey for actual planning & intervention.

Our CSR activities were designed based on sustainability approach hence, we are implementing all ongoing long-term projects and other programme accordingly. We are focusing on formation developing village level institution, strengthening existing institutions by involving villagers/beneficiaries as well as elected panchayat representatives (PRIs) and taking care of project

activities, assets created under project, system, maintenance of infrastructures after withdrawal of the project etc.

Moreover, we also align with our company's vision, mission & value so that serve the community & society in better way.

B. Company's Vision, Mission & Value:



We are also committed to work beyond increasing our profit margins. Our CSR practices enable us to integrate the needs of communities in our day-to-day operations and prepare us to generate positive value in the society. Along with meeting regulatory requirements, we uplift local communities through our initiatives Livelihood Enhancement (Samiriddhi), Education (Shiksha Sarathi), Mother & Child Health care (Ankuram), Healthcare (Arogya), Water (Jal-Dhara), Skill Development (Shaksham), Rural Infrastructure and Environment & Renewable Energy (Harit-Urja).

C. CSR Prorgammes Aligned with United Nation-Sustainable Development Goals (UN-SDGs):

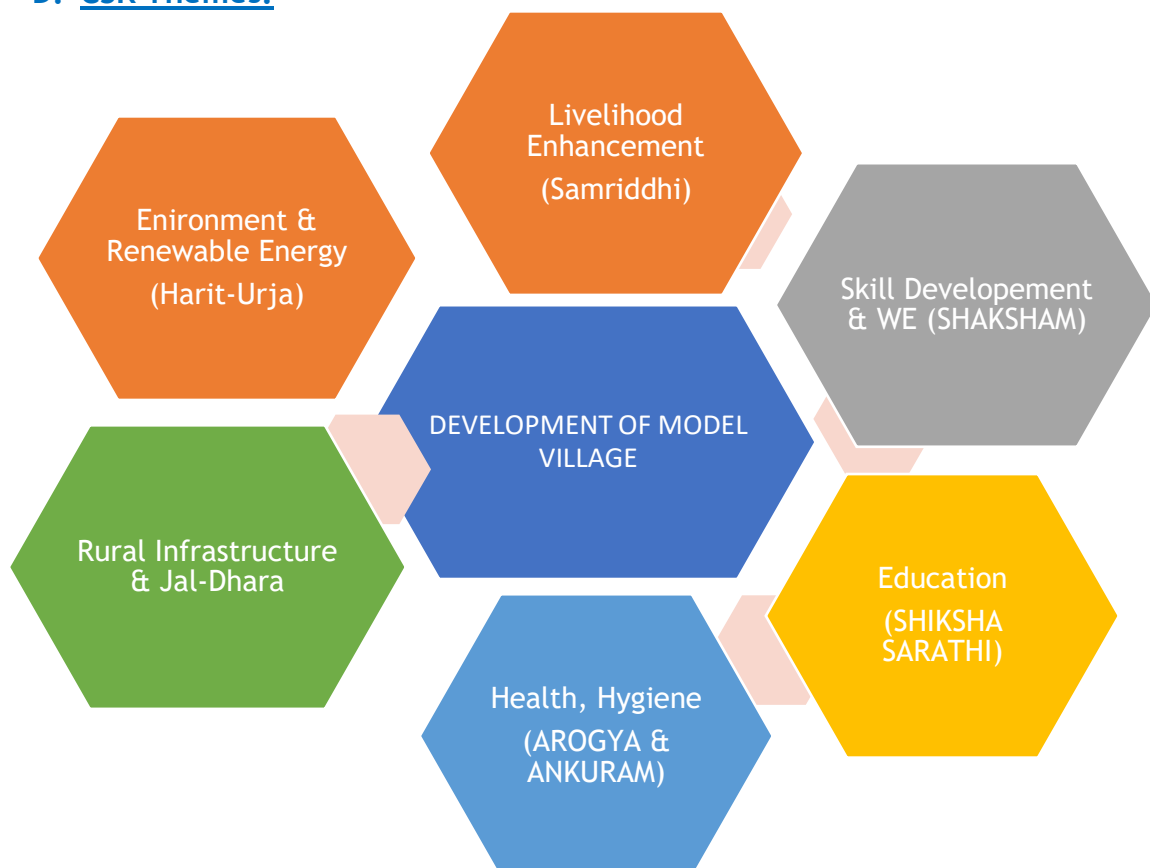
Company's efforts towards strengthening local communities has also been aligned with sustainable Development Goals (SDGs), we are contributing towards below SD goals through our CSR initiatives:

We are aligned with flagship programme of our corporate level and Five-year plans (FYP) which have prepared by exercise of problem analysis and feasibility assessment with community. The project proposal also covered detail problem

analysis, intervention strategy, activities, outcome indicators & sustainability after project withdrawal etc.



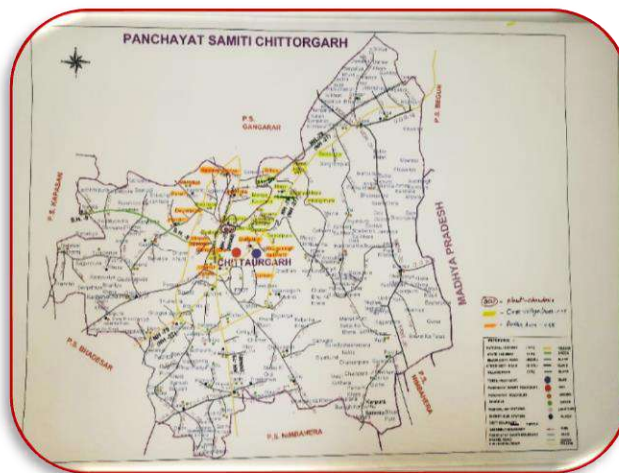
D. CSR Themes:



E. CSR Area details in FY 2023-24:

Under CSR programme, spent INR 124.36 lacs against the sanction budget Rs. 124 lacs for development of society and community surrounding operation area.

CSR operation Area: We have implemented CSR programme & initiatives under 41 villages & wards in this year, these area are divided in two category Core & buffer area, in which Core area as Semalpura, Surjana, Jai, Achhora, Damdama, Hokampura, Dhordiya, Rampuriya, Gujarkhera, Piplipal, Biliyakhera, Nagri, Gosaikhera, Sirdi, Gopalnagar, Manpura, Aawalheda, Baldrakha, Monga Ka Khera, Putholi, Dagla ka Khera, Bherda, Rangaswami Basti, Ramdev ji Chanderia, Chaukiya, Chanderia (Ward 4, 5, 6, 7, 8, 59, 60), Bhoikhera (ward 56 & 57) as well as under Buffer area Kadodiya, Chatarpura, Sisidiya ka Sanwta, Bejnathiya, Shivgarh/Chandrapura, Sajjanpura, Panchli, Kasarakhedi, Amoliya, Shivsingh ji Ka kheda, Sirodi, Mataji ki Pandoli, Mandlada, Dolatpura, Rolaheda, Paroli & Badodiya & Sawaliya Hospital, Chittorgarh in Chittorgarh Dist.



We reaching out to 20,192 beneficiaries & households under CSR activities & programme.

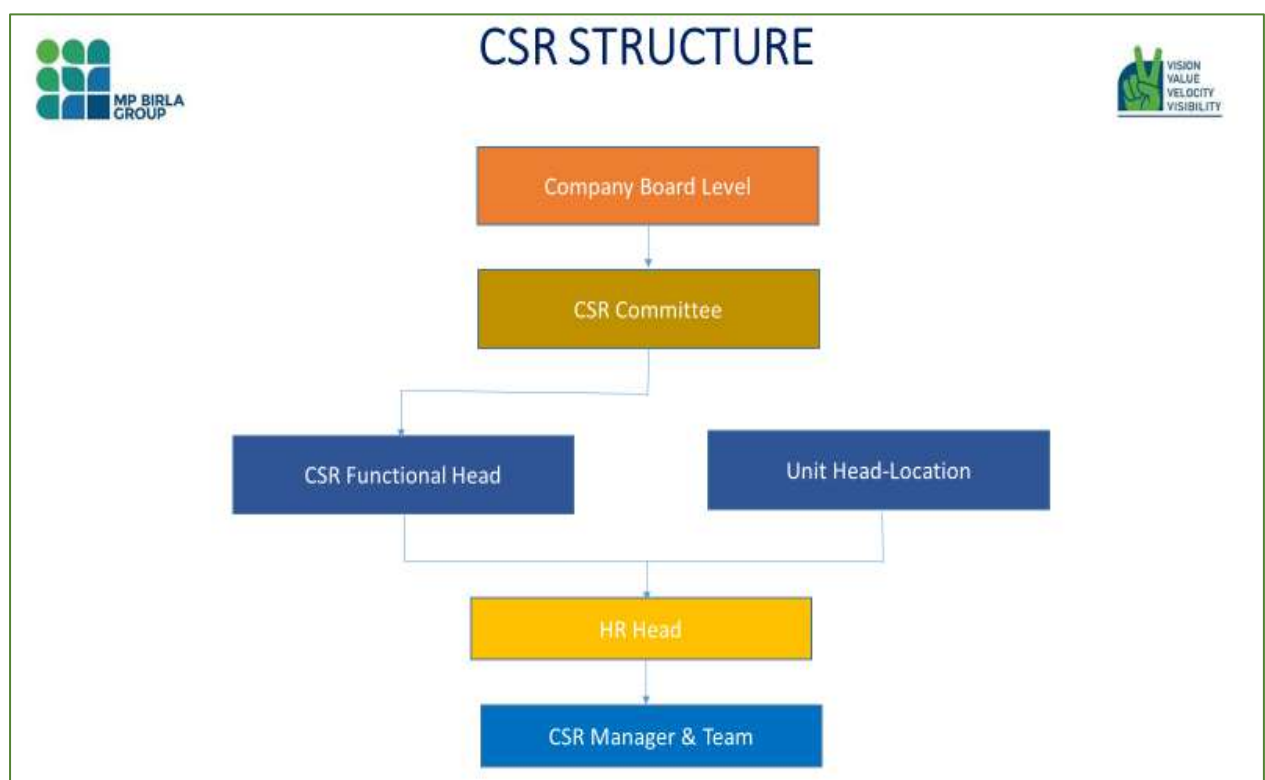
F. CSR Organogram & Team details:



CSR is derived under guidance of CSR committee which align & playing key role between Company's Board and CSR team, the structure are as follows:



In the Chanderia unit CSR team organogram is given below:



Details of Management & CSR team of Chanderia Unit:

Name of the Person	Designation	Qualification
Sh. Devesh Kumar Mishra	President & Unit Head	B. Tech in Mechanical form NIT
Sh. Pradeep Kumar Singh	AVP-HR	LLB, MBA (HR), PGD (Pollution Management)
Sh. Ranjit Kumar Prasad	Manager -CSR	MSW & MBA in Finance
Smt. Pushpanjali Yadav	Executive-CSR	M. Phil (Management), MBA (RM)

CSR team report to HR Head and he align with Unit Head for strategic level guidance and supervision of CSR programme, CSR team is working directly in the field through NGO partners team & key stakeholders, govt. departments and Panchayat etc. CSR team is enough experience & diversified in the field of community development, stakeholder management, financial management, project management, reporting & documentation, liaison etc.

G. NGO partners details & their values:

We have two partner NGOs, SMGVS & PECSS, the both are working with us since 2019-20 in the different verticals of development/CSR themes.

About PECSS NGO:

Priyanshi Educational, Cultural and Social Society (PECSS) is a non-governmental, non-profit and non-religious voluntary organization, which came into existence in the year 2002 with its underlying objectives to reach out to the poorest of the poor in the society. To facilitate access to the standard basic need of human society, the organization with a fundamental goal of facilitating access of resources to the last man in the queue, in 22 districts of Madhya Pradesh, 2 districts of Rajasthan and 6 districts of Chhattisgarh and 03 districts of the Arunachal Pradesh. Organization mainly working in these area issues such as Health, nutrition, education, skill and livelihood development activities etc.

Project Name	F.Y. of project executed Under BCL	Project Fund spent (in Lacs)	Total Beneficiaries Coverage)
Holistic Development Approach on Health (Nutrition), Skill & Education for underprivileged women and youths	2023-24 (1 st April, 2023 to 31 st March 2024)	2355927.00	Direct- 2098 Indirect- 4500
Holistic Development Approach on Health (Nutrition), Skill & Education for underprivileged women and youths	2022-23 (1 st April, 2022 to 31 st March 2023)	2093901.00	Direct- 2105 Indirect- 5500

Holistic Development Approach on Health (covid-19), Skill & Education for underprivileged women and youths	2021-22 (June- 2021 to March 2022)	1742250	Direct- 1039 Indirect- 2500
Sustainable Nutrition and Livelihood Development Project	2020-21 (June 2020 to March 2021)	1198500	486
Sewing and Stitching Enterprise development	2019-20	498000	15

About SMGVS NGO:

Sarv Mangal Gramin Vikas Sansthan (SMGVS) was set up in 2004 to work towards the conservation and governance of natural resources, especially land and water in the rainfed drought prone, degraded and marginalized areas of the country through community collective action by range of village and watershed level institutions for setting up the processes of coordinated human effort and governance on which they are critically dependent for their livelihood and sustenance with emphasis on ecological well-being, social justice, and access to economic opportunities.

SMGVS has undertaken various grassroots level interventions in the region for Governance of natural resources and collective action through village institutions, Conservation and restoration of natural resource (land, water, forest, agriculture etc.), Improving sustainable livelihood, Building capacities, skills and knowledge of rural community, local carder and PRI representatives.

Sarv Mangal Gramin Vikas Sansthan (SMGVS) is working in different parts of Rajasthan. Its main areas of interventions are spread over 11 districts such as Bundi, Chittorgarh, Pali, Ajmer, Sikar, Nagaur, Jaipur, Jodhpur, Barmer, Alwar, Bhilwara districts of Rajasthan. At present, SMGVS is working with 297 villages of 11 districts of Rajasthan.

H. Outreach in FY 2023-24

CSR Themes & Programme	Coverage in FY 2023-24 (Nos.)
Ankuram - Health & Nutrition	2174
Arogya - Health & sanitation	906
Jal-Dhara - Drinking Water Facility	12068
Shiksha Sarathi - Education	2149
Samiriddhi & Jal-Dhara - Livelihood & Women Empowerment	1130
Shaksham - Vocational Training	83

Harit-Urja - Environment & Energy	1192
Rural Infra. Development	290
Community Outreach- Promoting Rural Sports for youths	200
Total	20192

I. CSR Budget & expenditure FY 2023-24:

S. N.	Theme/Programme	Budget (In Lacs)	Actual Expenses (in Lakhs)
A	ANKURAM & Arogya: HEALTHCARE, HYEGINE & SANITATION	16.99	16.25
B	Shiksha Sarathi: EDUCATION	22.43	24.08
C	Samriddhi & Shaksham: LIVELIHOOD & WOMEN EMPOWERMENT	47.32	48.24
D	Harij-Urja: ENVIRONMENT & ENERGY	10.05	9.34
E	RURAL INFRA & Jal-Dhara (DRINKING WATER)	19.71	19.02
F	COMMUNITY OUTREACH	7.50	7.42
	Total (A+B+C+D+E+F+G)	124.00	124.36

FUND LEVERAGE (Contribution & Convergence):

BIRLA CORPORATION LIMITED						
FY: 2023-24 (Lakhs)						
NGO		BUDGET (PLANNED)	BUDGET (ACTUAL)			
	Programme (MoU)	TOTAL	TOTAL	BCL PROJECT FUND	COMMUNITY CONTRIBUTION	CONVERGENCE
PECSS	Health, SKill & Education	90.99	377.46	23.49	0.20	353.77
SMGVS	Livelihood & Watershed	52.92	53.83	43.77	4.76	5.29
Total		143.92	431.29	67.26	4.97	359.06

This year, we have mobilised fund leverage more than 5 times against annual Project Budget, if we compare with CSR annual budget of Chanderia, mobilised 3 times.

J. Award & Accolades to Chanderia Unit under CSR Initiatives in FY 2023-24:

The CSR programme and initiatives has been recognised by various prestigious awards, in this regard Unit have received following awards and accolades in this year, the details are given under:

Name of the Unit	Name of Award	Award for the year	Date of presentation of the Award
Birla Corporation Limited-Chanderia Unit	14th EXCEED CSR Award-2023 under "Gold Category"	2022-23	25 th August 2023
Birla Corporation Limited-Chanderia Unit	Govt. Of Rajasthan's State Level Bhamashah Award-2023 Category: "Shiksha Bhushan" For EXCELLENCE WORK IN EDUCATION under CSR during 26 th STATE-LEVEL BHAMASHAH SMMAN SAMAN SAMAROH	2023-24	11 th September 2023
Birla Corporation Limited-Chanderia Unit	Felicitated by Medical & Health Deptt., Govt. Of Rajasthan's State Level Honour-2023 for Support to TB Patients for Nutrition Kit	2023-24	13 th September 2023

Shiksha Bhushan Award Received by Govt. of Rajasthan

Award Name:
Govt. Of Rajasthan's State Level Bhamashah Award-2023
 Category: "Shiksha Bhushan"
 Awarded to : Birla Corporation Limited-Chanderia Unit

For EXCELLENCE WORK IN EDUCATION
27th STATE-LEVEL BHAMASHAH SMMAN SAMAN SAMAROH
at Birla Auditorium, Jaipur
Date: 11th September 2023



Award presented by Dr. B. D. Kalla Honourable State Education Minister- Govt. of Rajasthan (in Centre) and Shri Naveen Jain, IAS (Secretary, School Education Department, Rajasthan, Jaipur) & Sh. Kanaram, IAS (Director-Education Deptt.).





President & Unit Head Mr. Devesh Mishra, Ranjit Prasad (Manager-CSR) & Pushpanjali Yadav (CSR-Executive) with CSR Award

BCL-Chanderia Unit won the 14th Exceed CSR Award 2023

Birla Corporation Limited-Chanderia Unit has won the 14th EXCEED CSR Award-2023 under "Gold Category" in Cement Sector as large Enterprise for outstanding achievement in Corporate Social Responsibility.

The award is instituted by Sustainable Development Foundation (SDF) and was presented by Sh. Satish Mahana, Hon'ble Speaker, Uttar Pradesh Legislative Assembly on 25th August 2023 at Lucknow (UP).

Under the Leadership of Sh. Devesh Kumar Mishra, Unit Head-Chanderia, we bagged for outstanding achievement in Corporate Social Responsibility and serving to community through Watershed & Livelihood Programme.

He congratulated to entire CSR & Unit team for this award.



K. MAJOR HIGHLIGHTS OF THIS YEAR:

- ✓ 100.3% CSR Budget utilized i.e. Rs 124.36 Lacs against total sanctioned annual CSR budget INR 124 lacs.
- ✓ Total 20192 beneficiaries were benefitted in 39 villages & wards under CSR programme.
- ✓ Rs. 3.64 Cr. fund mobilized under Govt, Schemes (Health, KVK, Veterinary & DMFT) and benefitted 496 families directly.
- ✓ Including community contribution i.e. 4.97 lacs.
- ✓ We have done fund leverage 2.5 times more than BCL budget.
- ✓ Achieved more than 100% target of 1st Year against Five-Year Plan (FYP).
- ✓ Engaged 115 manpower under employee volunteerism with 376 manhours.
- ✓ Imparted NGO training on programme & implementation management.

L. CSR Programme details as Themes wise in FY 2023-24:

1. Integrated Livelihood Project in a Watershed approach for farmers & underprivileged community:

The project has implemented by SMGVS as partner NGO since June 2019 under handholding support, guidance and rigours monitoring & reporting system.

The main area of interventions on ON-FARM, OFF FARM & NON_FARM i.e. agriculture, horticulture (Wadi & Vegetable cultivation with nursery development, Drip & mulching technique etc.) related best practices, animal husbandry, Watershed intervention, Enterprise, goat rearing and poultry farming for poor under privilege & ultra-poor families.

a) Key Achievement under Livelihood project as:

- ✓ Increased no. of irrigation under area of 83 acre by rain water harvesting structure and created additional water storage 16512 Cub. Meter for irrigation & ground water recharge.
- ✓ On February 16th 2024, Sh. Alok Ranjan, District magistrate cum collector, Chittorgarh and along with Dy. Director of Agriculture & Horticulture officials made a visit to a strawberry farmer's field of Sh. Prakash Dharkar, Semalpura Village. Sh Darkar is a beneficiary of BCL's SAMRIDDHI program. This farmer has diversified the crop practice to strawberry cultivation. Now his earning has increased to three times than the replaced crop yield. He briefed them about the BCL CSR interventions. Mr. Collector has appreciated the effort of farmers and BCL CSR program.
- ✓ Covered 188.2 acre under Agri. Demo plot and 11.47 acre under Horticulture.
- ✓ Under Micro irrigation, provided sprinkler set to farmers 25 by this year, till date total 102 set provided to farmers. 24% area increased under rabi crop because of sprinkler set as water saved by this way.
- ✓ More than 2.84 times creating value under poultry i.e. 7.14 against 2.52 supported amount (mortality less than 5% than and last year it was 14%).
- ✓ Supported to vulnerable families on enterprises for their additional income, in this continuation, they earning monthly average income 7375/- and their assets increased 3 times more than what we had supported i.e. 15700/- family.
- ✓ 72% additional income by Goat rearing & improved local breed (150).
- ✓ New Initiatives: Strawberry cultivation, bund plantation & Decomposer.

b) Beneficiary coverage details:

Livelihood Activity	No. of Beneficiaries	Male	Female	SC	ST
Menzar	10	10	0	0	0
Enterprises	6	4	2	2	1
Kharif demo	60	59	1	15	2
Vegetable cultivation	29	29	0	0	0
Badi 2023-24	6	6	0	1	0
Floriculture	4	4	0	0	0
De composer	101	100	1	9	0
Goat Bada	5	3	2	0	0
Sprinkler beneficiary	26	24	2	2	6
Drip beneficiary	4	4	0	1	0
Mustard crop Beneficiary	62	62	0	12	6
Strawberry beneficiary	9	9	0	0	0
Poultry	4	1	3	0	2
Goat feed beneficiary	48	12	36	10	15
Honey bee Beneficiary	2	2	0	0	0
Feeder stand	10	6	4	1	2
Amrit Pani	15	15	0	0	0
Green net house	2	2	0	0	0
Animal Health Camp	302	275	27	63	69
Goat Vaccination	352	296	56	104	58
Total	1057	923	134	220	161

- ✓ We have benefited total 1057 beneficiaries in which 36% families belong to SC & ST community & 5% benefitted to women especially underprivilege families under integrated livelihood Project under 12 project villages. Moreover, we are putting efforts to increase their knowledge on the improved practices, high yield inputs, new techniques, machinery etc. helping to implement and replicate the practices as demonstration. Thus, we associated with Krishi Vigyan Kendra, Chittorgarh, Agriculture deptt., Animal Husbandry Deptt. And horticulture as well as other area of experts.
- ✓ By the help of project intervention, beneficiaries able to earn additional annual income between Rs. 12,000 to Rs. 50,000.
- ✓ Total project cost was Rs. 43.77 Lacs and the 100% has been utilized.
- ✓ Under project, we have mobilised community contribution of Rs. Rs. 4.76 Lacs which is around 10.87% of Total project cost. The same has been utilized under project which impacted as increase

to number of beneficiaries as well as willingness showing, ownership developing towards activities.

c) Major Highlights of Agriculture interventions:

- ✓ 22 Agricultural Training by Krishi Vigyan Kendra (KVK) and knowledge enhanced to 698 farmers.
- ✓ Demonstration support provided on Maize crop, provided hybrid seed & input to 60 farmers, under demonstration yield increased 43% against compared to traditional plot. By these, farmers earned additional income Rs. 2.94 lacs total, Average per farmers earned Rs. 4897/- Bigha.
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- ✓ Replication of wheat crop with 76 farmers.

Financial year	Foundation Wheat seed quantity	Area covered	Village
2022-23	(800 KG - Foundation seed) 40 farmer	21.39 acre	5 village
2023-24	(2200 KG - produced seed) 40 Old farmer	66.84 acre	5 village
	36 New farmers	47.05 acre	6 village

- ✓ Total 358 Acre area covered under Demonstration.
- ✓ Adopted >200 farmers on various improved Agri. Practices.

d) Major Highlights of Horticulture Initiatives:

- ✓ With objective to increase the area of horticulture in the project villages so that farmers get additional income & may reduce the risk by engaging in multi livelihood interventions, we have taken initiatives as follows:

i. **Promoting Vegetable Cultivation under Horticulture:**

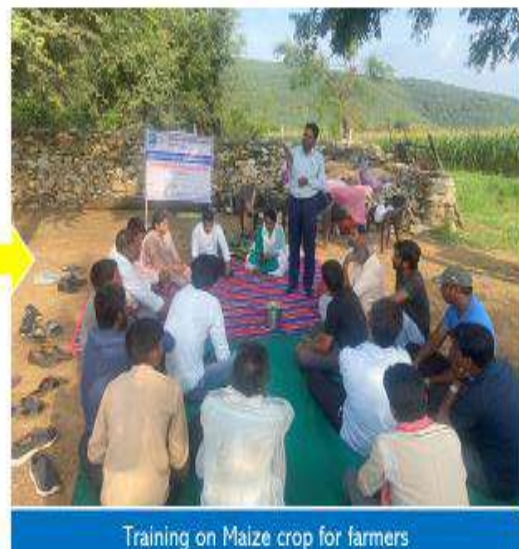
- ✓ Imparted 4 trainings for farmers by scientist of KVK in best practices and new technology. Total 107 farmers attended the same.
- ✓ Total 29 farmers supported under vegetable cultivation extension activity, area covered 5.39 acre.
- ✓ As new Initiative, Strawberry Cultivation promoted among the with 09 farmers, they have cultivated with drip & mulching method. Area covered 0.66 acre.



Livelihood Project (SAMIRIDDHI): Agriculture (Maize Crop)



Maize seeds distribution to farmers



Training on Maize crop for farmers

- ✓ 2 Nursery development with sheds provided to 02 beneficiaries for income generation through which raised saplings of various vegetable saplings like Brinjal, Chilis, and Tomatoes and sold 1500 plants for Rs 3000/.
- ✓ Mainly strawberry, chilly & tomato will be cultivating in this field.
- ✓ Farmers has given 25% contribution.

ii. **Wadi Development (Fruit Plantation) under Horticulture:**

- ✓ Saplings : Guava, Lamon, Custard apple, Jack fruit etc.
- ✓ This Year : 6 wadi/Farmers (plants 835)

- ✓ Average plants planted 114 by each farmer under BADI.
- ✓ Survival Rate: Cum. 71
- ✓ The area covered under BADI is around 4.7 Acre



Livelihood Project (SAMIRIDDHI): Horticulture (Wadi)



Fruit Plantation under Badi Development



Vegetable growing at Nursery

e) Major Highlights of Animal Husbandry Initiative:

- ✓ Total 11 trainings imparted on best practices of Animal Husbandry, total 289 farmers were covered in these training, the all training was facilitated by Veterinary experts.
- ✓ Total 6 trainings imparted on best practices of goat rearing, total 166 goat rearers were covered in these training, the all training was facilitated by Veterinary experts.
- ✓ Organised 9 Animal health camps for large cattle in which total cattle were covered 3404.
- ✓ This year, we separately, organised the 10 animal vaccination camps, in which covered 1789 cattle large & small both, this was a preventive health care and vaccination were ET, FMD & PPR so that we can reduce the mortality rate.
- ✓ Provided feeder & drinker to all 58 beneficiaries of poultry including cage support, chicks.



Training on Goat & Large animal Practices & Govt. Insurance by Expert



Treatment of Animal during Animal Health camp



Vaccines for livestock animals (goat)



Monitoring of Poultry Farming



Animal health camp

f) CASE Studies- LIVELIHOOD PROJECT (SAMRIDDHI):

Case Study-1:

Overview & Project Interventions:

Chandi Bai Bhil 60 year's old, resident of Surjana village. She has 2 sons and 2 Daughters. She lives with her younger Daughter both her Sons live separate, older daughter married and lives with in- laws. Chandi Bai's financial condition is not good as she doesn't have any scope for generating income.

Chandi bai bhil's husband was works as labor but due to over age and health issues now he isn't able to continue his work, from this it was challenging for him to fulfill his domestic needs, through the project, and by support of Birla Corporation limited under CSR Activity, Chandi Bai bheel was getting support of 20 Chicks of Pratapdhan Breed in month Oct 2022 and after 6 month breeding was started in chicks and Cage also provided her for poultry farming in Year 2023-24.

Due to which Chandi Bai bheel is supporting herself and family by Poultry Rearing, from 2023 she is getting benefit of approximately 2500 to 3000 rupees as monthly income by continue engage in poultry rearing.

Impact:

- ✓ Income started 36,000 per annum by Poultry.
- ✓ Presently Chandi Bai Bheel having 26 Cock and 4 Hens which is approximately of Rs. 20,000/-



Case Study-2 (Samriddhi):



Success Story of Goat rearing beneficiary



Family Background:

Jani Bai Bhil a 62 year's old widow women, residence of Bhiliya khara village. Landless and her financial condition were not good as she hasn't any means for generating income. She has her only adult son but he stays separately from her, it was hard for Jani Bai Bhil to fulfill domestic needs.

Concern:

- Landless.
- Face social stress.
- Limited knowledge and resources available for livelihood.
- Widow and single women.



Overview & Project Interventions:

Through the project, and by support of Birla Corporation limited under CSR Activity, Jani Bai bheel was getting financial support of 2 Goats of Sirohi Breed in year 2019-20 and after this she sell 2 Buck of 24,000/- Rs.

Due to which Jani Bai bheel is supporting herself by Goat rearing, and she is now able to fulfill her livelihood needs. And from milk production she also got benefit of approximately 1500/- per month as extra income.

Impact:

- ✓ Income started by selling 1 buck and 1 goat and got 24000/- Rs.
- ✓ Presently Jani Bai Bheel having 11 Buck and Goats which is approximately of Rs. 80,000/-

Case Study-3 (Samriddhi): Livelihood Enhancement: Strawberry Cultivation by marginal Farmers

Background:

Farmers from the project villages had previously been growing traditional crops like wheat, mustard and vegetables, before switching to strawberries. used to earn not more than around Rs 10,000-15,000 in Rabi crop in the same area.

These all 9 farmers belong to small & marginal category and Backward class.

Last years, Rajendra Keer was supported for began strawberry farming as pilot base to check the cultivation feasibility in this area and his got success.

"The CSR Team persuaded to farmers to take up crops like strawberry as the climate in this locality suits the crop. Project team was organized exposure visit for farmers at Nimbhahera block where a farmer is cultivating strawberry to learn the basics of strawberry farming and also imparted a very intensive training.

Strawberry Cultivation:

Objective: To increase additional income of marginal farmers, introduce the strawberry



cultivation as farm-based livelihood intervention.

Interventions: “In the beginning, in November 2022, only one farmer had taken up strawberry farming in just over 0.20 acres of land. This year, 9 farmers have taken up strawberry farming in over 1 acres of land from village Damdama, Nagri Semalpura Piplipal. We supported 1000 strawberry saplings to each farmer under project, Thus, Total 9000 strawberry sapling to be planted for around 1-acre land at different farms of 9 farmers.



Ensuring the good yield, we introduced the hi-technology as Mulching & Drip irrigation method for strawberry cultivation under project support, however we got the 40% contribution from farmers, by this minimized the cost of cultivation and quality of yield.

Economics: Now, Yielding started and farmer selling the same in local Chittorgarh market, Till Jan. end Total strawberry sold INR 2.39 lacs against 10.24 MT by 9 farmers. However, the production expecting till March 15 MT more production in the same area.

Now, they earn three-four times what they used to, and their success has inspired several others from the project area to take up strawberry farming in next year.

For the next year planning, under project we supported 2 farmers for “**Nursery of Strawberry**” as Green shed. It will be used for growing sapling of strawberry so that we can ensure the availability of strawberry sapling in locally and cheaper with quality.



2. Jal-Dhara Programme:

There were two purpose therefore adopted two different interventions as availability of drinking water as direct intervention and ensuring irrigation water through contribution in the ground water recharge and creating additional water storage. The details are given below as:

a) Drinking Water Facility (Jal-Dhara):

We are providing facility to surrounding community on drinking water supply through water tankers in summer season in which total 11,343 families were benefitted under 11 villages.

We have created facilities for drinking water in the nearby plant area (semi urban), total 614 families were benefitted in ward no. 7, 59, 60 Chanderia, Nagri (Gujarkhera) & GUPS, Munga Khera School through Boring, tubewell, pipeline, water cooler, Compact RO & water cooler system as sustainable manner.

The details of drinking water support given in the below table as:

Drinking Water support	Area	MoU	Coverage (Nos.)
Drinking water availed by water tankers supply in surrounding villages	Rolaheda, Paroli & Dolatpura, Badodiya, Kasarakhed, Shivsingh ji Ka kheda & Gora Ji Ka Khera, Chandrapura, Panchli, Bejnathiya & Sajjanpura	HHs	11343
For drinking water purpose installed water Cooler with capacity 150 ltr. & RO filter for Students	GUPS, Munga Khera School	Students	111
Availing facility of Drinking Water through Boring (400 ft) & Motor Pump (1.5 HP)	Ward No.7, Chanderia	HHs	33
Availing facility of Drinking Water through Boring (425 ft) in Nagri Panchayat	Nagri, Gujarkhera	HHs	511
Drinking water supply at Door to door /common point by Pipeline Connection (90 Meter, GI-1.25 Inch) at Ward 59, Chanderia	Ward 59, Chanderia	HHs	20
Drinking Water Supply by Pipeline support (GI-1.5", C class) in Chanderia (Ward-59& 60)	Chanderia (Ward-59& 60)	HHs	50
Total			12,068

b) Water Harvesting structure & Soil Moisture Conservation (Jal-Dhara):

It was carried out under “Integrated Livelihood Project in watershed approach for farmers & underprivileged community” which implemented by SMGVS NGO. The purpose is to harvest the water of rainy season and conserve the soil erosion by heavy flow of rain water in the Nallah, farm bund etc. the other side, contributed to ground water recharge as well as helped to



MP BIRLA
GROUP

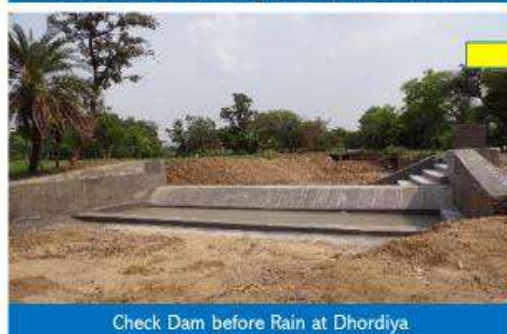
SAMIRIDDHI Programme: Watershed development



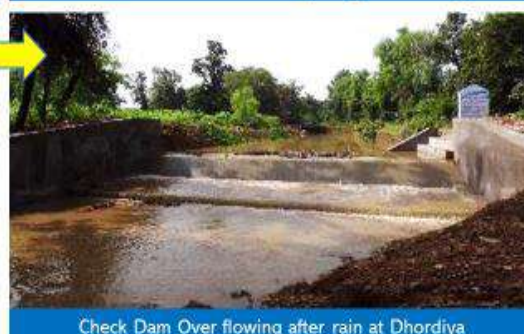
Check Dam Over flowing after rain at Semalpura



Water filled at Nallah after deepening work at Surjana



Check Dam before Rain at Dhordiya



Check Dam Over flowing after rain at Dhordiya

available the water for irrigation purpose in the Rabi Crops. The details are given as highlights:

i) Major Highlights of Watershed Initiatives:

- ✓ Masonry structure constructed: 3 (2023)
- ✓ Nallah deepening work done: 1 (2023)
- ✓ Water potential created: 1.64 cr. Liter
- ✓ Cumulative water storage till FY 2024 - 5.63 cr./ Liter
- ✓ Cost occurred for per litre storage around 10 paisa/liter

ii) Impacts of Watershed activities:

- ✓ No. of wells and bore wells recharged: 41

- ✓ No. of farmer benefited: 73
- ✓ Agriculture land benefitted under irrigation by WHS: 83 Acre
- ✓ Major crops harvested: wheat and mustered
- ✓ No of irrigation increased: 1 to 3
- ✓ The drainage line (Nallah) deepening work has helped in reducing fertile soil erosion from farmland, crop losses and improving water table and moisture in farmlands.

iii) Micro-irrigation Management:

- ✓ 4 unit of drip irrigation systems with mulching and 26 sprinkler sets have been installed in the project area.
- ✓ Total Area Covered by this agri. Equipment 67.94 acre.

3. SHKSHAM PROGRAMME:

In this programme, we are contributing to Pradhan Mantri Kaushal Vikas Yojana (PMKVY) by providing vocational training to women & youths. We trained to Stitching & sewing, Beauty parlour & Hair Dressing & Electrician. However, trainings were imparted in previous years, now we are supporting to them for business grooming and tracking to them. They are earning monthly income Rs. 3000-15000/-.

Under Shaksham programme, we also initiated Free coaching on govt. jobs for local youths so that we can address to youths those are unemployed especially for girls & married young women.

a) Free coaching to local youths for Govt. jobs preparation:

- i. **Objective:** To support rural & poor youths (especially Girls & married young women) to get the govt. jobs by availing free coaching facility within their locality.
- ii. **Criteria:** To select under Coaching of Job Preparation: 12th to Graduate, Age- 16 to 25 & Poor youths/student.
- iii. **Coaching Scope:** Police Constable, Forester, Army, BSTC (Basic Study Teaching Certificate), PTET, LDC (Lower Division Clerk) & National Sports.

iv. **Villages Covered:** Awanlhera, Dhordiya, Gosaikhera, Gujarkhera, Nagri, Hokampura, Semalpura & Manpura.

v. **Details of Skill Development:**

Skill Development	UoM	YTD-Actual
• Coaching for job preparation	Batch	2
• Total No. of Villages	No.	8
• Total Enrolment	No.	83
• Batch completion	No.	80
• Youths selected in different academy	No.	38

vi. **Highlights:**

Details in Selection	No. of Youths
CET & Physical Clear for Police Job	1
ITI Selection & Course	9
GNM	1
Selected for Free Graduation Scholarship by a Private Academy	4
Selection in BSTC training	4
CET Cleared (Valid-1 Year)	19
Total	38

These youths are engaged in the various academy and institutions for higher education & job purpose, earlier they were not aware about these courses even not capable to crack their exams, after the 6 months coaching & counselling they are selected for different stream/job as per given in the above table.

b) **CASE Studies- (SHAKSHAM):**

Case Study-1: (SHAKSHAM)

Devki's journey towards Entrepreneurship



Name : Devki Nayar

Age : 24

Village : Chanderia

BCL Location : CCW

Mrs. Devki, resides in the Chanderia ward no. 60 and was currently, a part of BCL Beautician Training batch -03. Her husband is a factory worker and earns a meagre income, often insufficient to meet family needs. To support her husband & in-laws, she came across the skill development program run by BCL Chanderia.

She enrolled for the same and started taking beautician training. After completion of the training, Devki has now started working from home, takes orders independently for stitching and beautician, fulfils the demand. After discussing with her family members & husband she expands her shop with her own saving i.e. around Rs. 80000. Now, Devki has become an established name in Chanderia area as a beautician and cosmetic seller. She has become an inspiration in her area by fulfilling all her basic needs as well as by providing job opportunities to other youth helping other community members. Devki's in-laws and Devki herself are proud of themselves and want to take their self-reliance to a new level.

She is currently earning a monthly income of Rs. 20,000—Rs. 24,000 and has become independent women entrepreneur.

Case Study-2: (SHAKSHAM)



Name : Deepmala Meena

Monthly Income : 15000 per month

Village : Gujarkhera

Deepmala hails from a lower middle-class family having two childrens. Through the livelihood project, she received guidance about beautician & also provided learning kit. She started her own unit and along with home service of beautician, cosmetic items work has also been started. Presently Deepmala is earning an income of Rs.12000 to 15000 per month. She is very satisfied and indebted to BCL for their invention in her life.

4. Health Programme (Ankuram & Arogya):

Under this theme, we have adopted direct & indirect approach, our objective to support surrounding community on health awareness and behaviour changes. Thus, we were designed a project on Mother & Child health Care which come under the Project title is “Holistic Development Approach on Health (Nutrition). Under this theme we covered programme i.e. Mother & Child Health care (Ankuram), as indirectly implemented by PECSS NGO.

And, other programme implementing i.e. “Arogya programme” in this programme we are organising health camps for community and providing support to underprivileged or malnutrition families by nutritional kits for improving their health.

Besides these, we also supporting to Sever Acute Malnutrition (SAM) & Moderate Acute Malnutrition (MAM) children for effective recovery.

We were mentioning below about the Mother & Child Health care programme as:

a) Mother & Child Health Care Project (ANKURAM):

Our objective to enhance the knowledge and best practices on the nutritional health care especially among the pregnant, lactating women, children 0-5 age and adolescent girls. Therefore, we have conducted a baseline survey as well. We have taken 10 aganwadies under 09 village. Major interventions have focused on trainings, workshop, distribution of safety & hygiene kits, Kitchen garden promotion, Capacity building to health workers etc. which encourage to women to change their tradition & myths related the health & hygiene practices which help to improve their health and may impact to reduce the mortality of infant and maternal as well.

Intervention on Mother & Child Health Care	UoM	Coverage
Total village	Village	09
Total Aganwadi	Nos.	10
Total Beneficiaries covered	Nos.	1626
Distribution of Mapping & Measurable equipment to AWC centres	Nos.	2



Training of pregnant, lactating mothers at AWC



Aganwadi Kit Distribution to AWC workers in presence of Ward Parshad & BCL staffs at Chanderia (ward-60)



Annaprasna celebration at AWC centers



Nutrition Exhibition program at AWC centers

i. Key Highlights:

Indicator Parameters	Changes		
	Baseline April'23	End-line March'24	% of Change
Anemic women	47	10	79%
severely malnourished children	4	0	100%
Moderately malnourished children	49	12	76%
Immunisation of Children (0-5 age)	97%	100%	3%

ii. Key Activities coverage:


S. N.	Key Activities & Interventions	UoM	Coverage
1	Counselling of family members of Pregnant/Lactating women and Adolescent girls	No.	34
2	Capacity building of ICDS & Pregnant/lactating on Medical treatments and care during Menstruation, Anti Natal Care and Post Natal Care	No.	229
3	Promotion & Demonstration of staple food items & dish preparation	No.	152
4	Nutritious food packet distribution to pregnant, lactating mothers (Anaemic & SAM/MAM mothers)	No.	250
5	Nutritional Food packet support to critical malnourished family	No.	30
6	Demonstration cum promotion of household level kitchen garden	No.	250
7	Mass awareness on waterborne diseases, water treatment, WASH and Sanitation & GLOBAL HAND WASH/TOILET DAY at School level	No.	355
8	Adolescent Girls Training on Health Hygiene	No.	175
9	Megha/ Health Baby Show	No.	136
10	Food Support to SAM & Malnourished Children	No.	15
Total Coverage under Ankuram		No.	1626
Extension Activities:			
11	Training/Motivation to Health Workers AWC/Asha/ANM, Motivation to Health workers.	No.	55
12	Training of CBOs on proper functioning, record keeping, financial management, develop village resource and village health plan & participation in Gram Sabha, Mobilize and monitor food/social entitlement schemes at village level	No.	43
13	Haemoglobin Test of Anaemic Pregnant Women	No.	49
14	Tool kit distribution to ICDS at Sirdi Village (1 &2) (02 New ICDS)	No.	2

iii. Best Practices followed under the project


- ✓ During the health camp, all the children who were found in vulnerable condition were identified and taken to the district hospital, 04 such children were admitted to the hospital and treated, while the family members staying with them were given free food and daily allowance under the government scheme.
- ✓ Provided milk & Banana to SAM & MAM children on daily basis for 20 days for improving their nutritional health, by this initiative children gain weight significant from 0.5-2 Kg.
- ✓ Malnourished children and anemic women were given the powder of munga (surjana) leaves and it was ensured that they use it regularly in their food.
- ✓ Cooking was taught from locally available food items and for this a staple food exhibition program was also organized.

iv. CASE Studies- (ANKURAM):

Case Study-1:




ANKURAM : Mother & Child Health Care Project (Case Study)



25-Year-Old Woman With an Obscure Case of Anemia

Name	: Anguri Regar
Age	: 25 year
Village Name	: Sirdi
Location	: Chittaurgarh

Angoori, a resident of Shirdi village, got her hemoglobin tested in the camp during pregnancy, according to which Angoori's hemoglobin was 9 in the 5th month of pregnancy. After this evaluation of anemia, she and her family members were given regular counseling by the NGO team. Now Angoori ensured adequate nutritious food and adequate rest by her family. Due to which Angoori's hemoglobin became 11 in the 8th month and 12.8 in the 9th month. With this continuous efforts and counseling by the team, she recovered from anemia and back to normal condition. As a result of this follow up and initiative she went through a normal delivery and gave birth to a healthy baby boy weighing 3.200 grams.



Case Study-2:



ANKURAM : Mother & Child Health Care Project (Case Study)



Father's Name : Raju Kalbeliya
 Category : Moderately malnourished
 Village Name : Chanderiya
 Age : 1.5 years
 District : Chittaurgarh
 Weight (April,2023) : 7.500
 Current weight : 13.500

Thakur Kalbeliya's father Raju Kalbeliya works as a labourer. The family do not have any farm or land and three children are dependent on their father's wages. Thakur Kalbeliya was found to be in the moderately malnourished category. After which the family was regularly counseled and linked to various training and awareness activities. Benefited by distribution of nutrition kit and milk and banana. With the above continuous efforts and proper advice, Thakur Kalbeliya's weight increased and he has come back to normal condition from moderate malnutrition.



Case Study-3:



Mother & Child Health Care Project: CASE STUDY (Malnourish Child)



Deepak Bhil

Father's Name: Late Kishan Bhil
 Category: Malnourished
 Village Name: Surajna
 Age: 4 years
 District: Chittaurgarh

4-year-old Deepak Bhil suffering from ventricular septal defect (commonly known as whole in heart) since from birth and also comes under the category of moderate acute malnutrition.

Project team linked Deepak with the [Rastriya BAL Swasth Karyakram](#) Scheme and get operated him in Kota Private hospital. The operation was completely successful and now he is completely safe. We provided ration for 6 months to his family & have also been following him regularly by the team. BCL CSR and PECSS is being appreciated by the village and the family.



Case Study-4:



Mother & Child Health Care Project: Capacity Building



GLOBAL HAND WASH DAY-15th October 2023:

- ❖ Global Hand Wash Day was celebrated as campaign of 15 days from 02nd to 16th October in project villages under Government Schools of Gujakhera, Acchora, Dhordiya & Surajna.
- ❖ During campaign conducted awareness training, demonstration on hand washing, rally by poster, slogan, essay competition etc. along with students, teachers & community.
- ❖ Children learned a basic habit quintessential for a healthy life, a proper method of hand washing. They were taught how to wash and when to wash hands.
- ❖ More than, 500 students & community members were participated in the campaign of Global Hand wash Day.



Celebrated & created awareness on Global Hand Wash day by rally



Demonstration on Hand washing Steps & Practice



Glimpse : Mother & Child Health Care Project



Training of pregnant, lactating mothers at AWC



Training on making staple food at AWC



Admitted malnourished children in hospital



Seeds distribution for kitchen garden



Regular monitoring to malnourished children

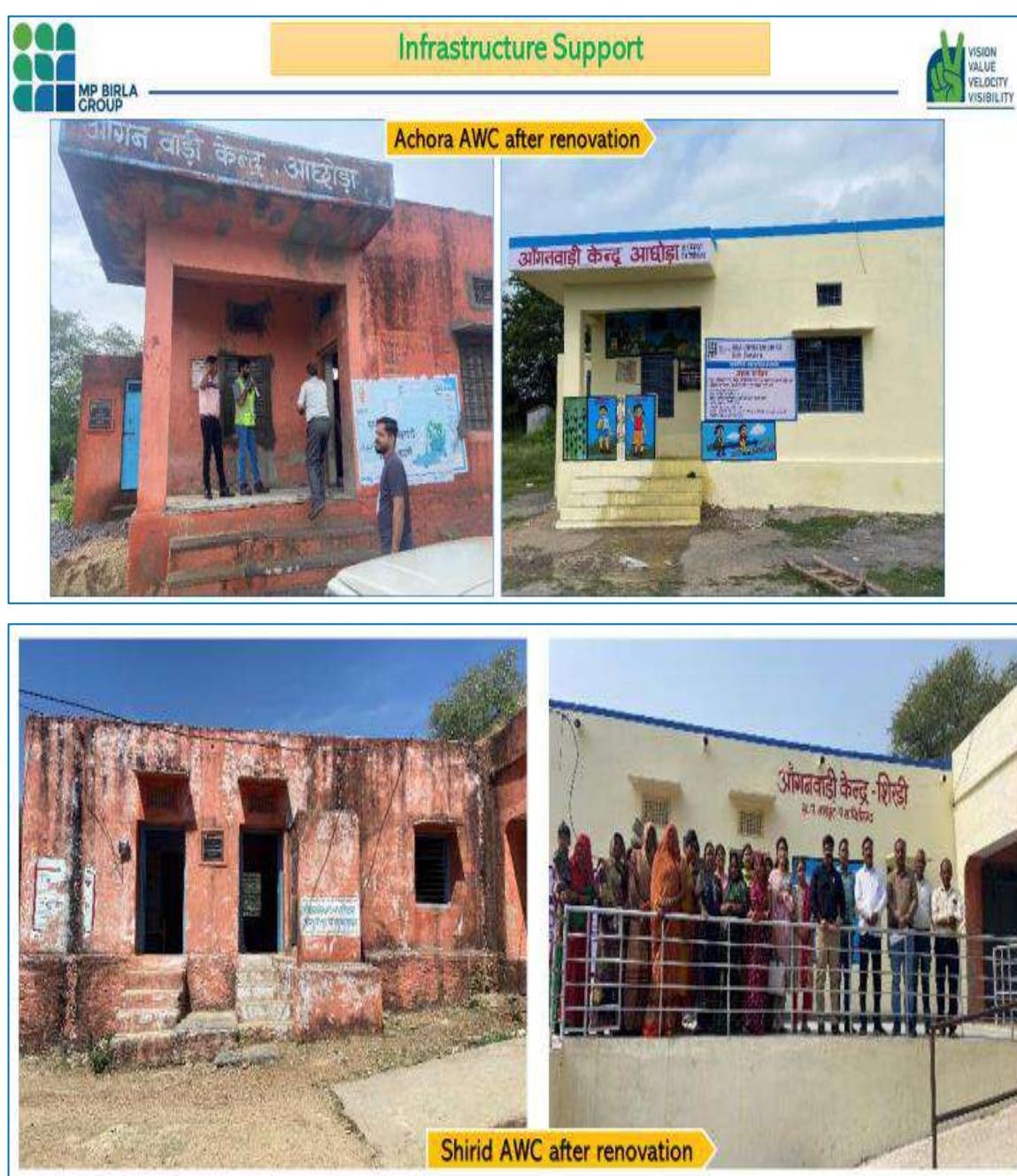


New baby born Kit Distribution to beneficiaries

b) Initiative toward making model Aganwadi Centre:

Under Ankuram programme, infrastructure part we were also supporting toward making model Anganwadi in terms of infrastructure facility like toilet facility with running water, drinking water facility, renovation of kitchen with platform, repairing of building, toys, furniture, and attractive wall painting on pre-learning concepts and building colouring etc.

This year, we have renovated two aganwadies i.e. Shirdi & Achhora Anganwadi centres. By these renovating works, toilet, drinking water, kitchen platform, running water, building repairing & painting etc. these changes you can see in the below images as:



c) Health Camps (Arogya):

Under Arogya prorgmame, we are supporting to community on the door step free health services as general health check camps & specialist health camp, these camps were organized with joint efforts of sustainable development team, Mines and CSR deptt. along with technical support of MP Birla Hospital & research Center, Chittorgarh.

Free Health Check-up Camps	No. of Health Camps	Patient Covered (Nos)
General Health Camp	5	680
Eye Check-up Health Camp	2	226
Total	7	906



5. Educational (Shiksha Sarthi):

Education programme has contributed to making future of our country & surrounding community as improving the facility of school infrastructure & quality education, therefore, our approach is two way as below:

1. Improving School Infrastructures of Govt. Schools:

2. Enhancing quality Education through running Supplementary Education Programme (SEP):

a) Improving School Infrastructures of Govt. Schools:

Under this programme, we have selected our core area govt schools based on the request letter and priority for improving their facilities so that student may attract and increase their attendance & enrolment as well especially for girl's therefore we intervene on various initiatives for improving the facility of school infrastructures as Digital classroom for modern and digital education in rural area, furniture for improving sitting facility, Infrastructure development of govt. schools as separate toilet, running water, drinking water, new classroom, ramps, repairing of school building, boundary wall, school painting & colouring.

The objective is to improve infrastructure facilities in govt. schools as well as providing support to poor student on the resources which they unable to get. This was implemented by directly. Avoiding the duplicity of the works therefore involving to Govt. education department as well as taking NOC, attending school inauguration programme etc.

Support on Govt. School Infrastructure: It is hardware part which required to sustain and increase the attendance of student in the school for creating good environment.

a) Support details of support given in the below as:

S. N.	Education Programme	Coverage (Nos.)
	Total No. of Schools	9
	Students Benefitted	1804
	Teacher Workshop Imparted for Govt. Schools	300
	Students under SEC benefitted	155

	Total Coverage	2259
1	Other Support to Govt. Schools towards Quality Education:	155
1.A	Supplementary Education Centre (SEC)	
	No. of Centre	4
	Enrolment-Total student	155
	Girls	81
	Boys	72
2	Infra development at Govt. School	4
	Students Covered	706
	ST	49
	SC	278
3	Smart Classroom supported (65" LED)	2
4	Furniture Provided for Students (No. of Furniture Set)	120
	Students Covered	636
5	School books, notebooks, pen, pencils to poor Children	80
6	Scholarship support to students (Nos)	1
7	Safety & Self-Motivation Training for Girls	
	Batch	2
	Covered Girls	50
8	Career Counselling for Students	4
	No. of Students attended	117
9	Teacher Workshop Imparted for Govt. Schools	1
	Participants	313



Smart class set up at GUPS Dagla Ka Khera & Semalpura



Water cooler with RO handover at Govt. School Munga Khera



Furniture support at GUPS, Dagla ka Khera



Furniture support at GUPS, Chanderia



Furniture support at GUPS, Gopal Nagar



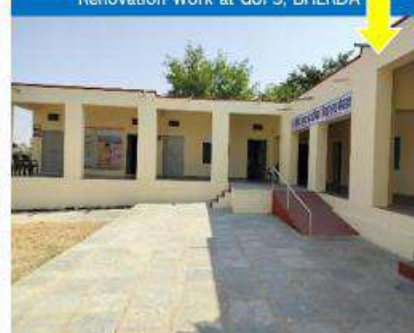
Toilet Renovation at GUPS, Achhora



Renovation at Govt. School, Bhoikhera



Renovation Work at GUPS, BHERDA





Environment Day celebration



Science Exhibition program at Govt. School, Dhordiya



Independence day Celebration at Govt. school



Capacity building session at Semalpura Govt. School



- b) **Supplementary Education Programme (SEP):** We putting efforts towards fulfil the gaps on quality education due to poor family background, lack of resources, illiterate parents, unavailability of coaching classes etc. The purpose was to improve the learning level of low academic achiever students, those are belonging to poor & underprivileged community.

1. The details of Programme are under as:

Key Aspects	Details
SE Center	04 centers in Dhordiya, Achora, Gujarkhera & Surajna
Class	From 6 th to 8 th
Couse Duration	8 months duration (June'23 to Feb.'24)
Subject Cover	Hindi, Maths, English & Science
Criteria	Poor academic achiever & underprivileged student, Preference to girls
Performance Mechanism	Marks of Monthly & Periodic Assessment Test

2. Coverage under programme:

Details	UoM	Coverage
Supplementary Education Centres (SECs)	No.	04
Enrolment	Students	155

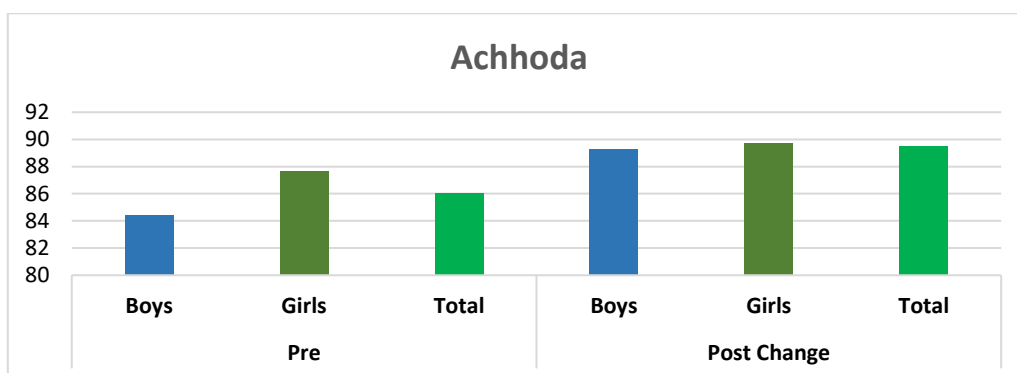
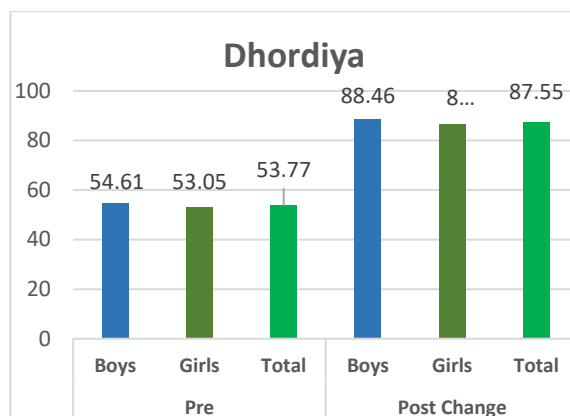
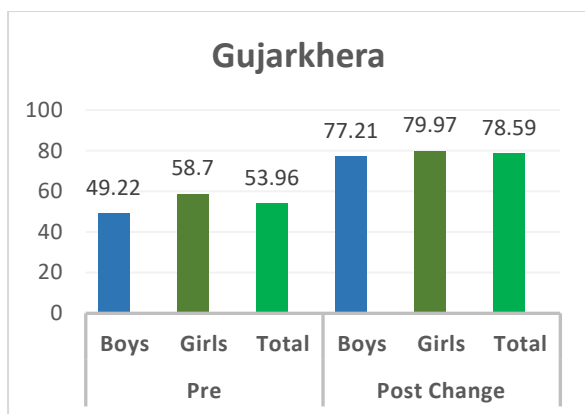
3. Initiative under SECs:

- ✓ Conducting Monthly Test
- ✓ Develop Activity Calendar-For weekly extra Curriculum
- ✓ Organize visit of PRIs, Parents & Stakeholders
- ✓ BCL Official visit for interaction & feedback
- ✓ Monitoring & Feedback on student's performance

S. No.	Results parameters	Changes	
		Baseline 30/4/2023	Change 31/3/2024
01	School attendance of target children (Students of Shiksha Saarthi Classes)	60 %	88 %
02	Proficiency in Hindi language	62 %	100 %
03	English language proficiency	52 %	98 %
04	Average percentage obtained in school-level half-yearly examination	55 %	75 %
05	Participation in science exhibition, model making etc.	0	52 Students
06	Participation in extracurricular activities	0	52 Students

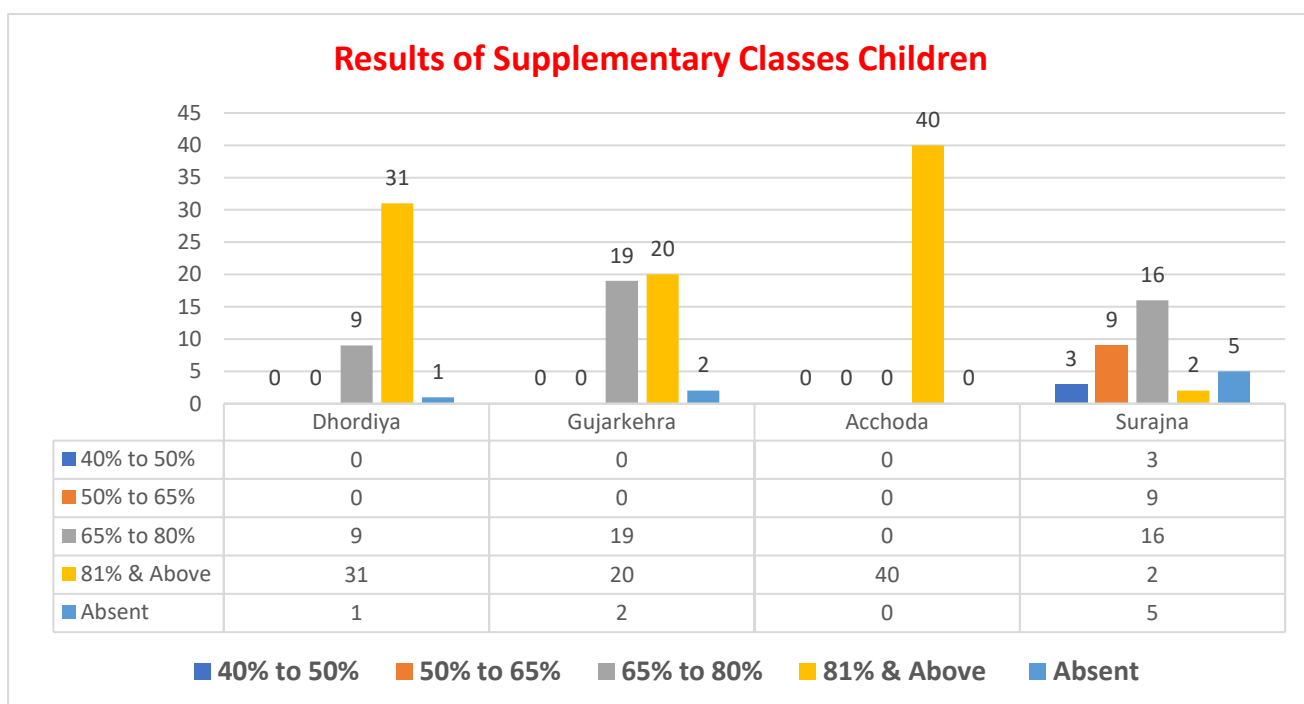
4. Key highlights of SECs:

- ✓ A science exhibition program was organized in Govt. School, Dhordiya, in which students of Shiksha Sarathi class were participated from Achhoda, Dhorardia, Gujarkhera & Surajan School.
- ✓ Below graphs shows that students were improved results have improved from August to March.





Total No. of Girls Enrolled: 77 nos.

Total No. of Boys Enrolled: 78 Nos.




CASE Studies- (SHIKSHA SARATHI):

Case Study-1:



Shiksha Sarathi : Supplementary Education Centre

Case Study



Ladi Jatiya
Father's Name : Shankar Jatiya
Village Name : Gurjarkheda
Class : 6
Age : 11 years
District : Chittaurgarh

Earlier this girl was very weak in studies. The girl's reading ability was very low and she could not read Hindi or English books. In the supplementary classes, special focus was given to Ladi and her self-confidence was gradually increased. Due to which currently she has started reading Hindi and English. Ladi used to go to school only for 15 to 20 days before but now she is giving 100 percent attendance and has set the goal of becoming a doctor. Parents are very happy with the change in Ladi Jatiya.

6. Rural Infrastructure Development & Rural Sport Prmotion Programme:

a) Rural Infrastructure Development Programme:

While community need assessment, community informed their needs related rural infra., which helped to community to promote their social and cultural event as panchayat and other govts. Schemes were not supporting in these gaps. Due to lack of resources, their health and village sanitation also affecting.

The details of activities are given below table as:

Infrastructure Development Support	Area	MoU	Coverage (Nos.)
Renovation of Chabutra with gate fencing at Dhordiya	Dhordiya	HHs	190

Renovation of Choupal at Dhordiya Near Ramdev Ji temple	Dhordiya Near Ramdev Ji temple	HHs	
CC Road Construction with pipeline laying for drinkign water at Rampuriya (Dhordiya) , Nagri Panchayat	Rampuriya (Dhordiya) , Nagri Panchayat	HHs	50
Earth filling in community hall up to plinth including levelling (Excavation of earth, transportation of soil, filling of soil) for Community hall foundation work at Awanlhera.	Awanhera.	HHs	50
Total			290

b) Promoting Rural Sports programme among youths/Students:

Promoting Rural Sport among Rural Youths	Area	MoU	Coverage (Nos.)
Installation of Pole & Light, painting for Volleyball Court at Bodiyaana & Repairing at Dagal Ka Khera	Dagal Ka Khera, Bodiyaana & Badodiya	Beneficiaries	50
Promoting Rural sport among rural youths through supporting Youth Games-MahaKumbh-2023 under Khelo Chittor at Chittorgarh	Dist Chittorgarh	No. youths	100
Support for Rural Sport among school students on Hand ball tournament at Rolahera panchayat (Paroli School)	Paroli, Rolahera	No. youths	50
Total			200



Promoting Rural sport among rural youths through supporting Youth Games-MahaKumbh-2023



CC road with water pipe supply at Dhordiya village



Renovation of Chopal at Rampuriya village



Renovation of Chopal at Dhordiya village

7. HARIT-URJA (Environment & Renewable Energy):

a) **Plantation Programme:**

Its objectives are to conserve natural resources and the existing natural environment by plantation, educating to people in surrounding area. Towards fulfilment of objective, this year planted 1200 plants at different places nearby business catchment and most important things that we involved to different local leader & community also.

Moreover, we have continued take care of Kapasan circle beautification also done some safety work and garden maintenance as well as pipeline repairing in garden at Govt. Sawaliya ji Hospital, Chittoragrh.

i. The details given in below table:

Activity details	UoM	Coverage	Benefitted (Nos.)
Total Plantation (Forest & Fruit Plantation)	No	1200	86
Location/Area	No	6	
Tree Guard (Plastic & Iron)	Nos	250	

Ongoing Garden & plants are maintaining at Sawaliya Hospital	No	1	500
Ongoing Garden & plants are maintaining at Kapasan & Bherda Road, Chittorgarh	No	1	50
Total			636



ii. Key Highlights:

- ✓ Moreover, celebrated the world environment day for the creating mass awareness among the community and students while celebrating it organized drawing competition and plantation programme.

b) Solar street Lights support for community:

Street solar light activity has taken in these location as it was need of community as street light facility is not available in the rural areas if some where available but electricity was not supply on regular or continue especially during in night time due to this risk may increase of theft activity, safety of women, children etc.

Addressed to this problem, installed 30 solar street lights in given below villages:

Village Name	UoM	Year-2023-24	HHs
Surjana	Nos	4	160
Achhora	Nos	3	249
Gujarkhera	Nos	16	147
Semalpura	Nos	2	-
Damdama	Nos	1	-
Dhordiya/Rampuriya	Nos	2	-
Bhiliyakhera	Nos	1	-
Nagari	Nos	1	-
Total		30	556

Harit-URJA: Solar Street Light



Solar Street Light Installation at Semalpura



Solar Street Light Installation at Semalpura



During lights Handover to community & Panchayat in presence of Sh. DKM (Unit Head) Sir

M. Sustainability of CSR programme:

CSR activities are carried out based on sustainability approach hence, we have designed all ongoing projects and other CSR themes accordingly. We have focused to developing institution of villagers/beneficiaries which will takes care of the project, system, maintenance of infrastructures after withdrawal the project. Apart from these, we are involving to local institution like Gram Panchayat Samittee, Health Institutions Anganwadi, School Management Development Committee and relevant Govt. Department also so that we aligned with the departments to avoid the duplicity of works as well as taking their input and guidance on the respective activities. We also ensure all

documents as per our SOP especially under infrastructure related works like NOC & handover letter etc. Hence, for the above process as company is ensuring comprehensive development of the peripheral villages of business in Chittorgarh district.

Moreover, our internal system is very robust which helps to achieve the milestones and sustainability of programme, the involvement of management as below:

- Dedicated CSR team at corporate level
- Dedicated CSR team at site & unit level
- Development of village level community-based organisation called Village Development Committee (VDC).
- Monitoring of CSR projects activities.
- Daily monitoring by CSR team.
- Monthly, quarterly, half year & annual review meetings.
- Moreover, we have aligned with Panchayat representatives and concern govt. departments those are supporting us as we also involving them in our CSR programme.
- Third party impact assessment
- Visits and feedback from external & internal
- Cross learning from other corporate and development agencies.

N. CSR Assessment by Institute of Company Secretary of India (ICSI) (External Team/Agency):

CSR programme & area visited by assessor of Institute of Company Secretary of India (ICSI) team Mr. Gopal Chand Mondol on 25th Oct' 23. Very detailed audit & assessment was conducted Interacted with members of Village development committee (VDC), stakeholders, beneficiaries, women & students so on very detailed audit & assessment was conducted as follows:

- A CSR presentation held on the CSR corporate level, other units & Chanderia in very details like programme, approach, model, coverage, EV, Impact assessment, Awards, Media coverage, NGOs system etc.
- Visited & interaction with Principal, Secretary, teachers & student as well.

- Then after, moved to CSR field, detail interaction held with Village development committee (VDC) on SAMRIDHI & WTARESHED programme & Rural Infra., Ankuram Programme beneficiaries, Student of Supplementary & Competitive classes (SHIKSHA SARATHI), SHG women (SHKASHM).
- Interaction with NGO head on their system, fund process, other partners, due diligence, compliance etc.



O. By Engagement & Visits by Internal Team, Others visitors in CSR Programme:

1. CSR Visit by Indian Beuro of Mines (IBM) Representatives:

Representatives of Indian Beuro of Mines, Ajmer had visited to CSR programmes like Livelihood, Skill Development, Watershed, Rural Infra. Dev etc. The team have consisted with 3 members and they are belonging to other industries like Ambhuja, H. Zinc & JK Cement.



2. CSR Internal visit by HO representatives:

CSR visit of the project area by Smt. S. Malik, W/O Shri Shantanu Malik (Head CSR, BCL) on 22nd May 23 & Mr. Sibu Jena (H.O. CSR, BCL) from 27 to 29 Nov 23. During the visit, interacted with the beneficiaries of the project area.

After that also interacted with our SHG members who were being trained to generate income for their families by undertaking multi-dimensional income generation activities in the Livelihood center.



3. Visit by Mr. Ananda Banerjee (CSR Consultant):

CSR programme & area visited by Mr. Ananda Banerjee (Consultant) from 05th to 09th Jan'24. During the visit he interacted with the beneficiaries of the project area. Thereafter, interacted with SHG members as well as both NGO team members to review the program and give their feedback and suggestions for the betterment of

the CSR program in future, the same we will plan for next year to implement the suggestion as per feasibility.



CSR Visit



Meeting with VDC members



Interaction with poultry beneficiary



Farmers farms visit

4. Participate in the CSR Exhibitions of Lion Club at Mumbai:



Show case CSR activity : Creating a social impact



Some glimpse of CSR show case :

- BCL, Chandaria participated in The Give Conclave event, organized by Lions International to showcase CSR program and set up a CSR stall at Jio World Centre, BKC, Mumbai on 27th & 28th January 24.



P. Media Coverage to CSR Programme:



Media Coverage



Annexure-1 Utilisation Certificate of CSR Budget-2023-24, Chanderia

CSR DECLARATION

To,
The Chief Financial Officer,
Birla Corporation Limited

Dear Sir,

In FY: 2023-24, Birla Cement Works & Chanderia Cement Works-Chanderia, Sector-3, Madhav Nagar, Chanderia, Chittorgarh (Raj.) has spent **INR 1,24,36,011** in Corporate Social Responsibility. I declared that, all the CSR expenses pursuant to Section 135 of the companies Act, 2013. The detail expenses are as per below list:

S.N.	Theme/Activities	Schedule-VII	Expenses (INR)
1	Health & Sanitation (Ankuram)	Poverty and Malnutrition, Sanitation (i), Promoting Education (ii), Rural Development Project (X)	1625265
2	EDUCATION (Shiksha Sarathi)	Promoting Education (ii)	2400883
3	Jal-Dhara (Drinking Water)	Safe drinking water (i),	535327
4	INFRASTRUCTURE DEVELOPMENT	Rural Development Project (X), Rural Sport Promotion (Vii)	1650200
5	LIVELIHOOD & WOMEN EMPOWERMENT	Livelihood enhancement projects (ii), Measures for reducing inequalities faced by socially and economically backward groups (iii), animal welfare (iv), Vocational Skill (ii), Promoting Education (iii)	4823956
6	ENVIRONMENT & ENERGY (Harit-Urja)	Ensuring environment Sustainability (iv)	934286
7	OTHER (Community Outreach)	Rural Development Project (X), Rural Sport Promotion (Vii)	4,66,095
	Total (INR)		1,24,36,011

For BIRLA CORPORATION LIMITED
(UNIT BIRLA CEMENT WORKS)

(Sign/Seal)

(Devesh Kumar Mishra)
President & Unit Head

Plant Manager: Devesh Kumar Mishra
Location: Unit-Chanderia

Annexure - 9

Environment Management SD Cell

