



SBPIL/ENV/TMT/25-26/1640

Date: 16/12/2025

To,
The Regional Officer,
Integrated Regional Office,
Ministry of Environment and Forest, Climate Change
Ground Floor AranyaBhavan, North Block, Sec- 19
Atal Nagar, Naya Raipur (C.G.) - 492002

Sub: Submission of Six-monthly Compliance Report for the period Apr' 25- Sep' 25.

Ref: Environmental Clearance No. F.No.J-11011/218/2007-IA II (I) dated 11.02.2008 from Govt of India, Ministry of Environment and Forests, New Delhi regarding expansion by installing Re Rolling Mill (1,50,000 TPA) and Coal based Power plant(16 MW) at Shri Bajrang Power & Ispat Ltd.(TMT), Gondwara, Raipur(C.G.).

Dear Sir,

With reference to above cited subject, please find enclosed herewith Compliance conditions status for the period Apr' 25- Sep' 25 as required by your good office in compliance of Environmental Clearance granted by Govt of India, Ministry of Environment and Forests, New Delhi vide their letter No. F.No.J-11011/218/2007-IA II (I) dated 11.02.2008 for expansion by installing Re Rolling Mill (1,50,000 TPA) and Coal based Power Plant(16 MW) at Shri Bajrang Power & Ispat Ltd. (TMT Division) situated at Kh. No. 2/3, Village - Gondwara, Urla Industrial Complex, Raipur 493221 (C.G.).

Hope, you will find the above in order.

Thanking you,
For, **SHRI BAJRANG POWER & ISPAT LTD., (TMT Division)**

Authorized Signatory

Encl: As above Mentioned.

CC-

1. Regional officer, RO, CECB, New Office Building, Ring Road No.-2, Tatibandh, Dist.- Raipur (C.G.).
2. Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas bhawan, North Block, Sector-19, AtalNagar, Raipur (C.G.).

Compliance Report of Specific and General Condition of Environment Clearance granted by Ministry of Environment and Forest, for Re-rolling Mill (1,50,000 TPA) and Coal Based power plant (16 MW) at M/s Shri Bajrang Power and Ispat Limited situated (TMT Division) formerly Known as M/s Bajrang Metallics & Power Ltd. situated at Kh. No. 2/3, Village - Gondwara, Urla Industrial Complex, Raipur 493221 (C.G.)

Ref.: Environment Clearance; File No. J-11011/218/2007-IA II-(I) dated 11/02/2008.

Sr. No.	SPECIFIC CONDITIONS:	STATUS AS ON 30.09.2025
1.	No additional induction furnace shall be installed. The Re-Rolling Mill and CPP shall operate for 300 and 330 days respectively.	<p>Agreed and shall be followed.</p> <p>Earlier we have been granted Permission to Establish and operate for Steel Melting Shop unit of capacity- 1,05,600 TPA, against which we have installed 04 Nos. Induction furnace of 6T each, however, we could not achieve the desired production, hence without an increase in production capacity, we have installed One No. additional Induction Furnace of same capacity i.e. 6T at same premises area after getting amendment in Permission to Establish for additions of 2 nos Induction furnace of capacity 6T each from concerned authority i.e. Member Secretary, Head Office, Chhattisgarh Environment Conservation Board, Raipur vide letter Nos. 6317 Dated- 22/03/2016. Now we have granted Permission to Establish" vide letter no. 2137 /TS/CECB/2019 dated 25/06/2019 for replacement of existing induction furnaces (05 induction furnace of 06T capacity each & not installed 01 induction furnace of 06 tonne capacity) for production of Steel Melting Shop Division (M.S. Ingots & Billets capacity of - 1,05,600 Metric Tonnes per Year) by new induction furnaces (03 induction furnace of 12 tonnes capacity each) for production of Steel Melting Shop Division (M.S. Ingots & Billets capacity of - 1,05,600 Metric Tonnes per Year) and for this we have also obtained Consent to operate vide letter no. 7051 /TS/CECB/2024 Nava Raipur Atal Nagar, Raipur, Dated 11/11/2024</p>



2.	<p>The gaseous emission from various process units, especially CO and HC shall confirm to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters. At no time the emission level shall go beyond the prescribed standards. On-line Continuous monitoring system for particulate emissions shall be provided and shall make necessary arrangements for submission of On-line real time emission data to CPCB website. Interlocking facility shall be provided between pollution control equipment and the process operations that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.</p>	<p>On-line Continuous Stack gas monitoring system for PM, SO_x, NO_x has been installed at the stack of Power plant and necessary arrangements for submission of Online real-time emission data to CPCB website has been made. Interlocking system has been installed between Pollution control equipment and Process operation, to ensure the smooth and regular operation of pollution control equipment.</p>
3.	<p>Air emissions from AFBC boiler shall be controlled using ESPs to limit the SPM to 50 mg/Nm³. 70 m high stack shall be provided with the boiler. The oil / coal gas fired reheating furnace of Rolling Mill shall have a minimum of 30 m stack. SPM emission from the Stacks will be restricted within 50 mg/Nm³.</p>	<p>To control and maintain Air emission from AFBC boiler within the prescribed limit i.e. 50 mg/Nm³, suitable & effective ESP has been installed and attached with RCC stack of 70 meters height and the emission level is being maintained well within the norms. Rolling Mill stack height is 30 meters and air emission is being maintained well within the latest prescribed norms.</p>
4.	<p>Recuperator shall be installed for heat recovery from the flue from the reheating Furnaces.</p>	<p>The recuperate has been installed and is working effectively.</p>
5.	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/Raw materials/Coal handling etc. shall be provided. Further, specific measures like provision of dust extraction and suppression system consisting of Water Sprinkling, Suction hoods, Fans, Bag Filters, etc. shall be installed at Material Transfer Points, Furnace Stock House and other enclosed Raw Material Handling Areas. Centralized De-Dusting System i.e. collection of fugitive emissions through suction hood shall be provided with Bag Filters and a stack of appropriate height, as prescribed above, shall be provided for Induction Furnaces. Fugitive emissions, especially in the work zone shall be regularly monitored and records be maintained.</p>	<p>Following arrangements are made to control Fugitive emission:-</p> <ol style="list-style-type: none"> 1. Constructed RCC roads are being cleaned by the Mechanical Sweeping Machine on regular basis. 2. Intermittent water sprinkling on internal roads and raw Material Yards by our own water tankers for dust suppression. 3. Movable Water sprinklers installed at different locations of plant and are being operated intermittently. 4. Most of the Belt Conveyors are fully covered with canopy cover. 5. Mist water spraying arrangement installed at conveyor belt, transfer points, crusher, loading/unloading area, etc. 6. Suitable capacity bag filters are also installed at different locations of plant.



		7. Installed wheel wash system at near main gate of plant to control fugitive emission from vehicle movement. Fugitive Emission is being controlled and monitored regularly and records are being maintained.
6.	Raw material shall be stored in covered yards. Water sprinkling arrangement shall be made in the raw material stock yard to control fugitive emissions. Materials will be transported in tippers, covered trucks, covered containers, covered rail wagons etc.	Raw materials are being kept at their designated place with proper precautions. Water sprinklers & water spraying arrangements are provided at Raw Material Stock Yard, for control fugitive emissions. Materials are being transported in covered vehicles.
7.	Wind breakers shall be provided to restrict fugitive dust.	Necessary actions like installation & operation of movable water sprinklers at desired locations, developed dense plantation, etc. has been taken for control fugitive dust.
8.	No waste water shall be discharged outside the Plant and 'Zero Discharge' shall be strictly followed. The wastewater, after treatment, shall be reused for cooling, slag quenching, gardening, green belt development and dust suppression. Treated Waste water will also be recycled in the process. The domestic waste water will be treated in the soak pita and used for	In process water is being used only for cooling purposes in recirculating manner. The generated domestic waste water after treatment is being used for slag quenching, gardening and dust suppression. No waste water is being discharged outside the plant; hence zero discharge is being maintained.
9.	ESP dust shall be used for captive fly ash brick manufacturing or will be given to cement manufacturing plants. Slag from the existing SMS shall be used as replacement of sand for brick making or road making and land filling. Char accumulated at the Borjhara, Urla Plant shall be used in the CPP at this site. Mill scale shall be sold to Ferro Alloys Plants or exported. Bag filter Dust shall be either sold or used in brick making, Coal Washery Rejects and Fines shall be stored in the premises for use in the AFBC Boiler. These shall be stored properly to avoid any fugitive dust and impact to the environment.	Generated ESP dust is being used for captive Fly Ash Brick manufacturing in our own Bricks plant, situated at same premises as well as being supplied to others Bricks manufactures. Slag from the existing SMS unit, used for internal bypass Road construction or being sold to outside crusher units. Char accumulated at Borjhara unit's SID Plant, is being used as a raw material in the 16 MW Captive Power Plants situated at this site. Mill scale is being re-used in Furnaces of SMS unit, supplied to our Borjhara unit's Ferro Alloys Plant. Bag Filter Dust is being used in Brick making, Moreover Coal Washery plant is situated at our Borjhara unit, not here and it is stopped since April 2019.
10.	Fly ash shall be utilized as per the Fly Ash Utilization Notifications No. S.O. 763(E)	Most of the Fly Ash quantity is being used in our own Fly Ash Brick

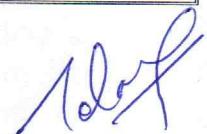


	dated 14.9.1999 and S.O. No. 513(E) dated 3.4.2007 of the Ministry of Environment and Forests.	manufacturing plant, balance quantity is being supplied to other Fly Ash Bricks manufacturing units and also being used in filling low lying area, bypass roads construction etc. as and when required.
11.	Acoustic enclosures shall be installed to limit the noise levels below 85 dBA.	Noise level is being maintained well within the prescribed norms by regular maintenance and lubrication of machineries. Personal Protective Equipment like ear plug/Muffs are being provided for noise prone area's employees. Report is attached as Annexure-2
12.	Minimum Cycle of Concentration (COC) for the CPP shall be 5.0.	In our captive power plant, we are maintaining cycle of concentration between 6.0 to 7.0.
13.	The company shall strictly follow all the recommendations mentioned for the Steel plants in the Charter on Corporate Responsibility for Environmental Protection (CREP).	We are following all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection like 100% disposed-off of generated Fly ash in making Bricks & Blocks in our own Bricks plant, supply to cement plant & other outside Bricks Plant units, while Steel slag is being supplied to outside crusher units. Compliance conditions of CREP is enclosed as Annexure 3
14.	Green belt shall be further developed up to an area of 37,000 m ² .	We have planted around 18500 Nos. (33% plantation inside the plant in 6.105 Hect. i.e. 15200 Nos. and 7% plantation outside the plant in 1.295 Hect. i.e around 3300 Nos) Species in and around the plant premises. Most of the open space is used for plantation. At Present, we have been developed plantation in 7.4 Hect @ 2500/ Hect. i.e. 40 % area of total plant area.
15.	The company shall harvest surface as well as rainwater from the roof tops of the buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Agreed and being followed. 05 Nos. of roof top Rain Water harvesting system has been constructed at different locations of plant area to recharge the ground water. Photographs of RWH are enclosed as Annexure- 4

Sr. No.	GENERAL CONDITIONS:	STATUS AS ON 30.09.2025
1.	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government.	We are complying all condition, as and when prescribed by the Chhattisgarh Environment Conservation board (CECB) and the state Government.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Agreed. In case of further expansion or modifications in the plant, we shall take prior approval of the Ministry of Environment and Forests.
3.	Regular Ambient Air Quality Monitoring shall be carried including CO and HC. The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated for SPM, SO ₂ and NO _x . It will be ensured that at least One monitoring station is set up in up-wind & in down-wind direction along with those in other directions. On-line data for air emissions shall be transferred to the CPCB and CECB once in six months. The instruments used for ambient air quality monitoring shall be calibrated regularly.	Rolling Mill and Captive Power Plant are Situated at the same plant premises along with other units; hence Ambient Air quality monitoring stations are common for all units. Ambient Air quality is being monitored regularly by the outside authorized agency and reports are being submitted timely to concerned authorities. Reports are enclosed as Annexure-5
4.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	We are complying all the environment protection measures and safeguards recommended in the EIA/EMP report.
5.	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (e) dated 19 th May 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	In Rolling Mill, water is being used only for cooling purpose, in re-circulating manner and cooling tower blow down is being used for dust suppression as well as plantation purpose.
6.	The overall noise levels in and around the plant area shall be limited within the prescribed standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	Noise level is being maintained well within the norms. Personal safety equipment like ear plugs/muffs are being provided for noise prone area's employees.
7.	Proper Housekeeping and adequate occupational health programs shall be taken up. Regular Occupational Health Surveillance Programme for the employees and contract workers shall be carried as per the Factories Act and records shall be maintained properly for at least 30-40	Good housekeeping practice is being adopted. Under Occupational Health Surveillance Program, health checkup camps are being conducted for all employees and records are being maintained. Form-21 is enclosed as Annexure-6



	years.	
8.	A separate environment management cell with full fledge laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.	A separate environment management cell has been developed. Environment related monitoring & analysis function are being carried out by Technical staff, under shall be set up under the control of a senior executive.
9.	Adequate funds shall be earmarked for the environmental protection measures and shall be 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.	Adequate funds have been earmarked for the environmental protection measures and same is being used for implementation of the conditions, stipulated by the ministry of Environment and Forests as well as the State Government. The funds, which earmarked for the environment protection measures are not being diverted for any other purpose.
10.	Regional Office of this Ministry at Bhopal / Chhattisgarh Environment Conservation Board / Central Pollution Control Board shall monitor the implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted to them regularly.	Officer of the Regional Office of Ministry at Bhopal/Chhattisgarh Environment Conservation Board/Central Pollution Control Board are being visiting the plant and monitoring, time to time the implementation of the stipulated conditions. We are regularly submitting the six-monthly compliance status report and monitoring data along with statically interpretation. [Note: Nagpur office shifted to Raipur Chhattisgarh Hence we are submitting report to MoEF&CC Regional office Raipur Chhattisgarh instead of Nagpur Office].
11.	The Project Proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Chhattisgarh Environment Conservation Board / Committee and may also seen of Website of the Ministry and Forests at http://envfor.nic.in . The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office at Bhopal.	Already published in newspapers and copies also sent to the Ministry's regional Office, Bhopal (M.P.).



12.	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 land development work.	Already informed. Plant is already in operation.
13.	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed
14.	The ministry reserve the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Agreed
15.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & control of pollution) Act, 1974, the Air (Prevention & control of pollution) Act, 1981. The environment(Protection) Act,1986, the public Liability Insurance Act,1991, Hazardous Waste(Management , & Handling) Rules,1989 and Manufacture, storage and import of Hazardous Chemical Rules,1989 along with their amendments and rules.	Agreed



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← C https://envirofront.m2logger.com/prima/Site/382/Dashboard

Live Map Camera Status Site Status Alerts Control Panel ▾ Account ▾

 PRIMA EQUIPMENT Site Dashboard

Data available at this portal is as per CPCB prescribed procedure published at cpcb.nic.in

SHRI BAJRANG POWER & ISPAT LTD_ TMT Raipur, Chhattisgarh Stack-1 CPP POLLUTANT(S) All ▾ Last 7 days ▾ AVG: 12 hrs Go ▾

Dashboard Data Diagnostic Alerts Annexure 1

Download 1 - 15 of 15 << < > >> 

SCAN TIMESTAMP	NOX (MG/NM3)	PM (MG/NM3)	SO2 (MG/NM3)
16-Dec-2025 06:05:01	130.06	27.95	7.64
15-Dec-2025 18:05:01	134.52	27.94	10.14
15-Dec-2025 06:05:01	132.77	27.93	11.97
14-Dec-2025 18:05:01	128.31	27.94	9.73
14-Dec-2025 06:05:01	125.98	27.96	9.99
13-Dec-2025 18:05:01	128.75	27.95	14.64
13-Dec-2025 06:05:01	127.04	27.95	14.94
12-Dec-2025 18:05:01	127.58	27.94	13.85
12-Dec-2025 06:05:01	121.79	27.95	13.58
11-Dec-2025 18:05:01	123.14	27.97	15.24
11-Dec-2025 06:05:01	116.80	27.97	9.10
10-Dec-2025 18:05:01	111.97	27.95	9.64
10-Dec-2025 06:05:01	115.00	27.98	10.68
09-Dec-2025 18:05:01	115.34	27.95	15.52
09-Dec-2025 06:05:01	102.12	27.93	16.61



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TEST REPORT

Annexure 2

VIBRANT

Sample Number:-

Name & Address of Party:

VTL/ N/01-04

M/s SHRI BAJRANG POWER AND ISPAT LTD.
(TMT Division), Khasra No.2/3, Village-
Gondwara, Urla Industrial Complex, Raipur,
Chhattisgarh, 493221

Sample Description :

Ambient Noise Level Monitoring

Report No.:

VTL/N/2511290006-09

Format No.:

7.8 F-04

Party Reference No.:

NIL

Report Date:

02/12/2025

Receipt Date:

29/11/2025

General Information:-

Sample collected by

; VTL Team

Instrument Used

: Sound Level Meter

Instrument Calibration Status

: Calibrated

Instrument Code

: VTL/SLM/01-04

Meteorological condition during monitoring

: Clear Sky

Scope of Monitoring

: Regulatory Requirement

Sampling & Analysis Protocol

: IS 9989-1981 RA: 2020

Parameter Required

S. No.	Location	Date	Test Parameter	As per WHO Guideline	
				Day Time	Night Time
1.	Near Power Plant	26-27/11/2025	Leq	67.2	58.9
2.	Near Brick Plant	26-27/11/2025	Leq	57.4	48.7
3.	Near Admin Building	26-27/11/2025	Leq	56.2	47.8
4.	Near Boiler and CHP	26-27/11/2025	Leq	55.1	46.4

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
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

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Corporate & Registered Office:

Plot No. Q-39, Shringarpura, Narayan Vihar Q,
Bhankrota, Jaipur 302026 (Raj.)

0141-2954638 bd@vibranttechnolab.com

www.vibranttechnolab.com

Terms & Conditions:

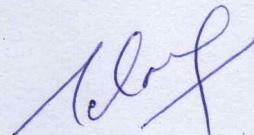
- The Result Listed refer only to the tested sample and applicable parameters.
- Total Liability of our concern is limited to the invoiced amount.
- The report is not to be reproduced wholly or part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Authenticity of Test Report and Accreditation status may be seen online through QR Code.
- Retention period of sample will be 30 days only, any query beyond 30 days will not be entertained.

**CORPORATE RESPONSIBILITY FOR ENVIRONMENTAL PROTECTION (CREP)
CONDITIONS AND ITS COMPLIANCE**

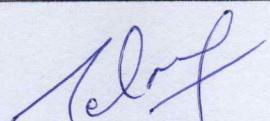
S.NO	POSSIBLE EMERGENCY	PREVENTIVE MEASURES
1.	<p>COKE OVEN PLANTS</p> <p>To meet the parameters PLD (% leaking colors), PLL (% leaking lids), PLO (% leaking off take), of the notified standards under EPA within three years by December 2005. Industry will submit time bound action plan and PER Chart along with the Bank Guarantee for the implementation or the time.</p> <p>To rebuild at least 40% of the coke oven batteries in next 10 years (by December 2012).</p>	Not applicable as there is no coke oven plant
2.	<p>STEEL MELTING SHOP</p> <p>Fugitive emissions- To reduce 30% by March 2004 and 100% by March 2008 (including installation of secondary de- dusting facilities).</p>	Achieved and being maintained
3.	<p>BLAST FURNACE</p> <p>Direct inject of reducing agents by June 2013.</p>	Not applicable since there is no blast furnace
4.	<p>SOLID WASTE /HAZARDOUS WASTE MANAGEMENT</p> <p>Utilization of Steel/ Melting shop (SMS)/ Blast Furnace (BF) Slag as per the following schedule:</p> <p>By 2004 - 70%</p> <p>By 2006 - 80% and</p> <p>By 2007 - 100 %.</p>	SMS slag is being sold to outside slag crusher units and if required is being used for by pass/approach roads construction or Low-lying area filling purposes.
	<p>HAZARDOUS WASTES</p> <p>Charge of tar sludge/ ETP sludge to Coke Oven by June 2003.</p> <p>Inventorization of the Hazardous waste as per Hazardous Waste (M& H), Rules, 1989 as amended in 2000 and implementation of the Rules by Dec. 2003. (tar sludge, acid sludge, waste Lubricating oil and type fuel falls in</p>	Hazardous Waste Management Rules 2016 are being followed for only used oil & Resin.



S.NO	POSSIBLE EMERGENCY	PREVENTIVE MEASURES
	the category of Hazardous waste).	
5.	<p>WATER CONSERVATION/ WATER POLLUTION</p> <p>To reduce specific water consumption to 5 m³/t for long products and 8 m³/t for flat products by December 2005.</p> <p>To operate the Co-BP effluent treatment plant efficiently to achieve the notified effluent discharge standards. – by June 2003.</p>	The plant is based on water consumption of 3.53 m ³ /t
6	Installation of Continuous stacks monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations by June 2005.	Continuous online stack monitoring system for PM/SOX/NOX installed on our major stack.
7	To operate the existing pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect. Compliance report in this regard is submitted to CPCB/SPCB every three months.	We have provided electric meters on all installed pollution control equipment for their running hrs. & Failure time. Compliance report is being submitted to CECB every month and to MoEFCC Regional Office, Raipur
8	To implement the recommendations of Life Cycle Assessment (LCA) study sponsored by MoEF by December 2003.	Being implemented.
9	The industry will initiate the steps to adopt the following clean technologies measures to improve the performance of industry towards production, energy and land environment.	Being implementing
	<ul style="list-style-type: none"> Energy recovery of top Blast Furnace (BF) gas. 	Not Applicable
	<ul style="list-style-type: none"> Use of Tar- free runner linings. 	No tar runner linings are proposed
	<ul style="list-style-type: none"> De- dusting of Cast house at tap holes, runners, skimmers ladle and charging points. 	Dedusting has been provided.
	<ul style="list-style-type: none"> Suppression of fugitive emissions using nitrogen gas or other inert gas 	Fugitive emission is being controlled by installed bag filters, uses of Mist water spray at all transfer points.



S.NO	POSSIBLE EMERGENCY	PREVENTIVE MEASURES
	<ul style="list-style-type: none"> To study the possibility of slag and fly ash transportation back to the abandoned mines, to fill up the cavities through empty railway wagons while they return back to the mines and its implementation. 	Slag and Fly Ash is being used for brick making in our own Fly Ash Brick plant situated at same premises, while slag is being supplied to outsider slag crusher units.
	<ul style="list-style-type: none"> Processing of the waste containing flux & ferrous wastes through waste recycling plant. 	Not applicable to us.
	<ul style="list-style-type: none"> To implement rainwater harvesting 	Rainwater harvesting structures have been constructed at different locations of plant premises.
	<ul style="list-style-type: none"> Reduction Green House Gases by: <ul style="list-style-type: none"> Reduction in power consumption Use of by -products gases for power generation Promotion of Energy Optimization technology including energy/ audit 	<p>Green houses gases are being reduced by adopting Direct Hot Rolling Technology in Rolling Mill, use of Furnace oil as a Fuel.</p> <p>Implemented the energy efficiency measures and over achieved the energy efficiency target.</p> <p>Not applicable for us.</p> <p>We are conducting self-audit for Energy Optimization.</p>
	<ul style="list-style-type: none"> Up- gradation in the monitoring and analysis facilities for air and water pollution. Also, to impart elaborate training to the manpower so that realistic data is obtained in the environmental monitoring laboratories. 	NABL and MOEF recognized Laboratories are engaged to monitor air and water pollution levels. In house well, equipped Environment Lab is developed with qualified and experienced technical staff.
	<ul style="list-style-type: none"> To improve overall housekeeping and Green belt. 	<p>Greenbelt has been developed to control fugitive dust and Noise.</p> <p>Good housekeeping is being maintained in the plant.</p>



10	SPONGE IRON PLANTS	
	<p>Inventorisation of sponge iron plants to be completed by SPCBs/CPCE by June 2003 and units will be asked to install proper air pollution control equipment by December 2003 to control primary and secondary emissions. As per rebuilding schedule submitted to CPCB/MoEF.</p>	Not applicable as there is no Sponge Iron Plant

Rainwater Harvesting Photographs



Pit-1



Pit-2



Pit-3



Pit-4



Pit-5

Rainwater Harvesting Pits, Gondwara

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EPA Recognized Laboratory | NABET Accredited EIA Consultant Organisation**TEST REPORT**

Annexure 5

Sample Number:	VTL/AA/01-04	Report No.:	VTL/A/2511290003-06
Name & Address of the Party	M/s SHRI BAJRANG POWER AND ISPAT LTD. (TMT Division), Khasra No.2/3, Village-Gondwara, Urla Industrial Complex, Raipur, Chhattisgarh, 493221	Format No.:	7.8 F 02
Sample Description :	Ambient Air Quality Monitoring	Party Reference No.:	SBMPL/G/WO/2526/2349
		Report Date:	02/12/2025
		Period of Analysis:	29/11/2025-02/12/2025
		Receipt Date	29/11/2025

General Information:-

Date of Sampling	: 26-27/11/2025
Sample collected by	: VTL Team
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear sky
Surrounding Activity	: Human, Vehicular & Other Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Latitude	: 21.487669
Longitude	: 81.769348
Sampling Duration	: 24 hrs.
Parameter Required	: As Per Work Order

Sr.	Sampling Location	PM 10 ($\mu\text{g}/\text{m}^3$)	PM 2.5 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	HC (mg/m^3)
1.	Near Power Plant	71.48	36.57	17.74	8.67	0.52	0.78
2.	Near Rolling Mill	70.24	34.12	15.21	10.45	0.61	0.72
3.	Near Admin Building	60.58	28.79	14.62	8.18	0.53	0.67
4.	Near wire drawing mill	65.34	32.53	15.10	9.35	0.49	0.75
	Limit	100	60	80	80	4	--
	Protocol	IS:5182 (P-23)2006, RA 2017	IS:5182 (P-24)2019	IS:5182 (P-6)2006	IS:5182 (P-2)2001	IS:5182 (P-10)NDIR	IS:5182 (P-17)

-----End of the Report-----

Checked By

RK Yadav
Lab Incharge
Authorized Signatory**Corporate & Registered Office:**

Plot No. Q-39, Shringarpura, Narayan Vihar Q, Bhankrota, Jaipur 302026 (Raj.)
0141-2954638 bd@vibranttechnolab.com
www.vibranttechnolab.com

Terms & Conditions:

- The Result Listed refer only to the tested sample and applicable parameters.
- Total Liability of our concern is limited to the invoiced amount.
- The report is not to be reproduced wholly or part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Authenticity of Test Report and Accreditation status may be seen online through QR Code.
- Retention period of sample will be 30 days only, any query beyond 30 days will not be entertained.



पोलो डायग्नोस्टिक सेंटर, अपोलो टॉपर, एक्सप्रेस हाईवे पलाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.) 4020988, 4017888

उपलब्ध सुविधाएं

3.0 T एम.आर.आई. (साईलेट)

96 रस्लाइस होल बॉडी

स्पाइरल सी.टी.स्कैन

लिथोट्रिप्सी ESWL

सेक्स ग्राम पर्सी का इमेज

गास्टर हेल्थ चेकअप

यूल बॉडी कलर

सोनोग्राफी (SD)

पीवर, ब्रेस्ट एवं थायराइड

लास्टोग्राफी

स्कूलर डाप्लर

इंजीटल एक्स-रे

इंजीटल पोर्टेबल एक्स-रे

इंजीटल OPG एक्स-रे

इंजीटल मेपोग्राफी

लर डाप्लर इकोकार्डियोग्राफी

म्यूट्राइज्ड TMT, ई.सी.जी.

घालांजी

NAC सायटोलोंजी

म्यूट्राइज्ड ई.ई.जी.

MG, NCV,

ग्रिहोमीटर (PFT)

MNIOCENTESIS

.V.S.

chorionic Villus Sampling)



Appointment :
934 890000, 91934 86000

In Treatment
Ser Treatment
Growth Treatment



Name : MANJAY PASWAN

Age / Sex: 30 Y / Male

Report Printed ON/AI : 15-04-2025

Sample Received On/ At : 15-04-2025

Consultant : BAJARANG TMT DIVISION URLA, RAIPUR CG

Bio Chemistry

Parameter	Result	Unit	Normal Range
Urea	23.35	mg/dl	15-45
Serum Creatinine	0.74	mg/dl	0.6-1.4
Uric Acid	4.12	mg/dl	3.6-7.0
SGOT(AST)	21.03	U/L	0-45
SGPT(ALT)	22.01	U/L	0-45
Alkaline Phosphatase(ALP)			
Alkaline Phosphatase(ALP)	63.05	U/L	41-270
Total Cholesterol	165.25	mg/dl	150-200
Triglycerides	122.20	mg/dl	35-170
HDL Cholesterol	45.57	mg/dl	35-70
VLDL Cholesterol	95.24	mg/dl	Less than 100
LDL Cholesterol	24.44	mg/dl	7-35
Random Blood Sugar	91.10	mg/dl	80-140

CHECKED BY

DR. S. CHATTERJEE
DCP, DNBE
CON.PATHOLOGIST

3.0 T एम.आर.आई. (साईलेट)

पथरी का इलाज (लिथोट्रिप्सी)

एम्बुलेस सेवा उपलब्ध

स्किन एंड लेजर ट्रीटमेंट

For-MRI, CT Scan Emergency- 9630898682, 9926892536

For appointment 0771 - 4017888, 4020988

जारी की गयी आपात्कालीन उपचार सेवा लिथोट्रिप्सी स्कॉपी एवं गास्टर लिथोट्रिप्सी यांत्रिक द्वारा कियी जाती है (एसी), बूटरप्रेशर्सनली, लेजर लेजरी (लेजर), विलमानी एवं पेनजिलायर तंत्री में प्रयोग का उपचार करने वाले विशेषज्ञ, वित्ती, बेहोशी, बीरलाड के उपचार पुरे उपचार का विवरण दर्शाते हुए का पैकेज भी उपलब्ध।

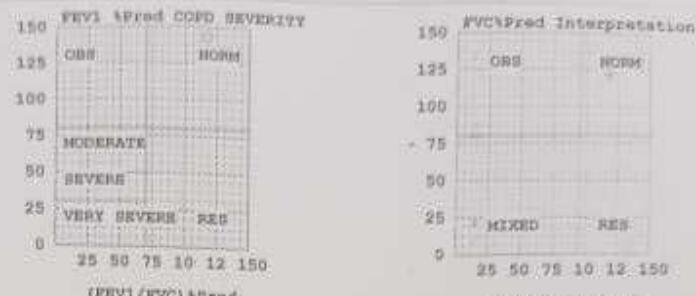
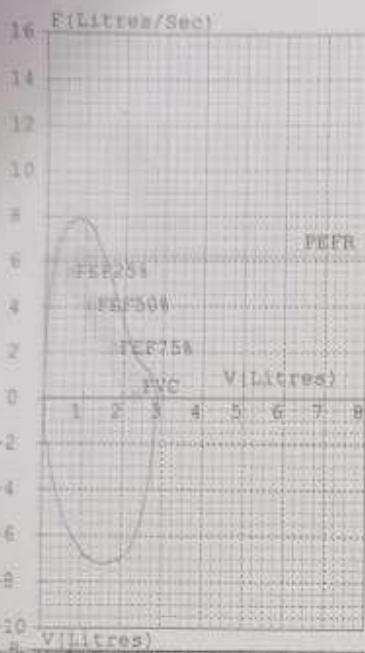
पोलो स्टोन क्लीनिक, अपोलो टॉपर, एक्सप्रेस हाईवे पलाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.)
फोन-4020988, 4017888

APOLLO DIAGNOSTIC CENTRE RAIPUR

181/5, Phase-I, Industrial Area, Chandigarh-160002

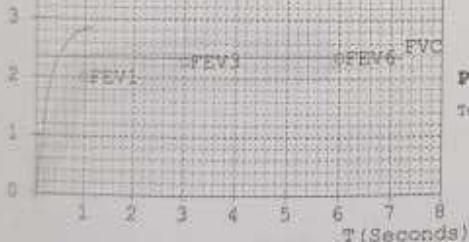
MR MANJAY PASWAN
By: BAJRANG
Eqns: RECORDERS
ce : 15-Apr-2025 05:14 PM

Age : 30 Years Gender : Male
Height : 165 Cms Smoker : No
Weight : 78 Kgs Eth. Corr: 70
ID: 310563 Temp :



Spirometry (FVC Results)

Parameter	Pred	M.Pred	%Pred	M.Post	%Pred	%Imp
FVC (L)	02.34	02.86	122	---	---	---
FEV1 (L)	01.99	02.84	143	---	---	---
FEV1/FVC (%)	85.04	99.30	117	---	---	---
FEF25-75 (L/s)	03.01	05.30	176	---	---	---
PEFR (L/s)	06.19	07.90	128	---	---	---
FIVC (L)	----	02.86	---	---	---	---
FEV.5 (L)	----	02.41	---	---	---	---
FEV3 (L)	02.27	02.86	126	---	---	---
PIFR (L/s)	----	07.20	---	---	---	---
FEF75-85 (L/s)	----	01.86	---	---	---	---
FEF.2-1.2 (L/s)	05.12	07.31	143	---	---	---
FEF 25% (L/s)	05.53	07.77	141	---	---	---
FEF50% (L/s)	04.05	06.28	155	---	---	---
FEF 75% (L/s)	02.14	02.55	119	---	---	---
FEV.5/FVC (%)	----	84.27	---	---	---	---
FEV3/FVC (%)	97.01	100.00	103	---	---	---
FET (Sec)	----	01.16	---	---	---	---
ExplTime (Sec)	----	00.09	---	---	---	---
Lung Age (Yrs)	030	017	057	---	---	---
FEV6 (L)	02.34	----	---	---	---	---
FIF25% (L/s)	----	06.68	---	---	---	---
FIF50% (L/s)	----	07.07	---	---	---	---
FIF75% (L/s)	----	05.83	---	---	---	---



Pre Test COPD Severity

Test within normal limits

DR. ROBIN DAKRABORTY
M.B.B.S, M.T.C.D
MONDAY MEDICINE
CONSULTANT PULMONOLOGIST
REC NO: 8732019

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

FORM 21 (Annexure)
 [prescribed under Rule(19)]
 Health Register

(in respect of persons employed in occupation declared to be dangerous operation under section 87)

PRE-EMPLOYEMENT & PERIODIC MEDICAL EXAMINATION

Registration No : 134

Date : 15-04-2025

Name : MANJAY PASWAN	Age (Years) : 30	Gender : Male
Nature of Employment :	Employee No. : 100553	
Date of Joining :	Last Medical Date :	
Department : UNIT 3	Designation : MECH. FITTER	
No. of Working Year : Previous Working	Mobile No. : 7898503006	
ESIC Number :	Aadhar No. :	

1. GENERAL EXAMINATION

HEIGHT : 165 cm	WEIGHT : 78 Kg	BMI : 28.65
CHEST INSPIRATION : 109 cm	EXPIRATION : 103 cm	BUILT : Average
THROAT : Normal	THYROID : Not Palpable	LYMPH NODES : Not Palpable
TOUNGE : Normal	TEETH : Normal	GUMS : Normal
TONSILS : Normal	ADDITIONAL FINDING IF ANY : Absent	

2. CARDIO-VASCULAR SYSTEM

PULSE : 90/min Regular	PERIPHERAL PULSE : Felt
BP. : 120/80 mmHg	MURMUR IF ANY : Absent
HEART SOUND : Normal	ADDITIONAL FINDING IF ANY : Absent

3. RESPIRATORY SYSTEM

SHAPE OF CHEST : Normal	CHEST MOVEMENTS : Normal
TRACHEA : Normal	BREATH SOUNDS : Normal

4. GASTRO-INTESTINAL SYSTEM

LIVER : Not Palpable	SPLEEN : Not Palpable
ANY ABDOMINAL LUMP : Absent	

5. EXAMINATION OF EYE

EXTERNAL EXAMINATIN SQUINT : Normal	NYSTAGMUS : Normal
COLOUR VISION : Normal	FUNDUS : Normal
INDIVIDUAL COLOUR IDENTIFICATION : Normal	
DISTANT VISION (WITHOUT GLASSES)	NEAR VISION (WITHOUT GLASSES)
RIGHT : 6/6 LEFT : 6/6	RIGHT : N/6 LEFT : N/6
DISTANT VISION (WITH GLASSES)	NEAR VISION (WITH GLASSES)
RIGHT : 5 LEFT : 5	RIGHT : 4 LEFT : 5

6. EXAMINATION EAR, NOSE & THROAT : EXTERNAL EXAMINATION :- Normal

7. GENITO URINARY SYSTEM

HERNIA : Absent	HYDROCELE / VERICOCELE : Absent	CRYPTORCHISM : Absent
PHIMOSIS : Absent	VARICOSE VEIN : Absent	SIGNS OF STD : Absent
OTHER EXAMINATIN FOR FEMALES : MENSTRUAL HISTORY OBSTERIC HISTORY		
MENARCHE AT : YRS :	GRAVIDA :	PARA :
LMP :	MENSTRUAL IRREGULARITY IF ANY :	



पोलो डायग्नोस्टिक सेंटर, अमोलो टॉवर, परसाप्रेरा हाईवे पलाई ओवर के पास वेन्ड्र नगर, रायपुर (छ.ग.) 4020988, 4017888

उपलब्ध सुविधाएँ

• 3.0 T एम.आर.आई. (साईलेट)

• 96 स्लाईस होल बैडी

स्पाइरल सीटी स्कैन

• लिपोट्रिप्टी ESWL

(लेज इट वरी के इलाज)

मास्टर हेल्प थेकअप

होल बौडी कलर

सोनोग्राफी (SD)

लीबर, ब्रेस्ट एवं थायराइड

इलास्टोग्राफी

वैस्कुलर डायलर

डिजीटल एक्स-रे

डिजीटल पोर्टेबल एक्स-रे

डिजीटल OPG एक्स-रे

डिजीटल नेमोग्राफी

कलर डायलर इकोकार्डियोग्राफी

कम्प्यूटराइज्ड TMT, ई.सी.जी.

पैथालॉजी

FNAC सायटोलॉजी

कम्प्यूटराइज्ड ई.ई.जी.

EMG, NCV,

स्पाइरोमीटर (PFT)

AMNIOCENTESIS

C.V.S.

(Chorionic Villus Sampling)



For appointment :
91934 89000, 91934 86000

Skin Treatment
Laser Treatment
Hair Growth Treatment



POLLO
STONE
CLINIC

Name : MANJAY PASWAN

Report Printed ON AI : 15-04-2025

Age / Sex: 30 Y / Male

Sample Received On/ AI : 15-04-

Consultant : BAJARANG TMT DIVISION URLA, RAIPUR CG

X-RAY CHEST (PA) VIEW

OBSERVATION

- Both hilar shadows appear normal.
- Both lung fields are clear.
- Both costo phrenic angles are normal.
- Cardiothoracic ratio is within normal limits.
- Trachea centrally placed.
- Soft tissue and bony cage appear normal.
- Both Hemidiaphragms are well outlined.

IMPRESSION

- Normal Study.

Suggest: Clinical Correlation.

DR PARAS JAIN

MBBS DMR

(CONSULTANT RADIOLOGIST & ULTRASONOLOGIST)

3.0T एम.आर.आई. (साईलेट)

पवरी सा इलाज (लिपोट्रिप्टी)

फ्लूरोसेस सेवा उपलब्ध

स्किन एड लेजर द्रीटर्मेंट

For MRI, CT Scan Emergency- 9630898682, 9926892536

For appointment 0771 - 4017888, 4020988

पर्सनली से अवधित अवधारणिक सार्वजनिक गोपनीय त्रिमूल रिपोर्टिंगी गोपनीय एवं अनियन्त्रित गोपनीय लिपोट्रिप्टी गोपनीय इत्यादि (जूरी), योटर (पेशाबन्दी), पेशाव चेली (पेशाब), बिलामली गुरु वैनोलियाज इत्यादि में यथावृत्ति का उपचार कीर औपचार्य, विशा भर्ती, बेहोली, बीमाव के उपचार पूरे उपचार का विवाहाती दर्ता का वैकेंज भी उपलब्ध।

पोलो स्टोन वलीनिका, अमोलो टॉवर, एक्सप्रेस हाईवे पलाई ओवर के पास वेन्ड्र नगर, रायपुर (छ.ग.)
फ़ोन- 4020988, 4017888

AVICO DIAGNOSTIC CENTER

< Conclusions >

2025-04-15 17:15:54

Name: MR. MANJAY PASWAN

Age: 30

Data for reference only:

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Dr. Girish Ramole
MD (Medicine)
REG.NO. CGMC/1738/2005



पोलो डायग्नोस्टिक सेंटर, अपोलो टॉवर, एक्सप्रेस हाईवे प्लाई ओवर के पास देवेन्ड्र नगर, रायगुर (छ.ग.) 4020988, 4017888

उपलब्ध सुविधाएं

3.0T एम.आर.आई (साइलेंट)

96 स्लाईस होल बैडी

स्पाइरल सी.टी.स्कैन

सिलिंग्डी एस.एस.एल.

(सेक्स का फारी का इताव)

मास्टर हेल्प चेकअप

होल बैडी कलर

सोनोग्राफी (5D)

लीवर, ब्रेस्ट एवं थायराइड

इलास्टोग्राफी

वेस्कुलर डायपलर

डिजीटल एक्स-रे

डिजीटल पोर्टेशन एक्स-रे

डिजीटल OPG एक्स-रे

डिजीटल बेमोग्राफी

कलर डायपलर इकोकार्डियोग्राफी

कम्प्यूटराइज्ड TMT, ई.सी.जी.

पैदालौजी

FNAC सायटोलौजी

कम्प्यूटराइज्ड ई.इ.जी.

EMG, NCV,

स्पाइरोमीटर (PFT)

AMNIOCENTESIS

C.V.S.

(Chorionic Villus Sampling)



For appointment

91934 89000, 91934 86000

Skin Treatment

Laser Treatment

Hair Growth Treatment



Name: MANJAY PASWAN
Age / Sex: 30 Y / Male
Report Printed On At: 15-04-2025
Sample Received On/ At: 15-04-2025
Consultant: BAJARANG TMT DIVISION URLA, RAIPUR CG.

CLINICAL PATHOLOGY

Parameter	Result	Unit	Normal Range
URINE ROUTINE ANI			
Physical Examination			
Colour	Pale Yellow		
Quantity	30	ml	>30
Appearance	Clear	-	Clear
Reaction	Acidic	-	Acidic
Chemical Examination			
Albumin	Nil	-	NIL
Sugar	Nil	%	NIL
Microscopy Examination			
RBC	Nil	/hpf	NIL
PUS Cells	2-4	/hpf	< 5
Epithelial Cells	4-5	/hpf	< 3
Crystals	Absent	-	Absent
Casts	Absent	-	Absent
Bacteria	Absent	-	Absent
Other (Urine)			

CHECKED BY

DR. S. CHATTERJEE
DCP, DNBE
CON.PATHOLOGIST

3.0T एम.आर.आई (साइलेंट)

पद्धति का इलाज (लिपोट्रिप्सी)

एम्बुलेंस सेवा उपलब्ध

स्किन एंड लेजर ट्रीटमेंट

For MRI, CT Scan Emergency- 9630898682, 9926892538

For appointment 0771 - 4017888, 402

पर्याप्ती से अत्यधिक अत्यधिक सर्वकृत लागेस लिपोट्रिप्सी भरीन एवं जानियर लिपोट्रिप्सी भरीन प्राचीन प्राचीन लिपोट्रिप्सी, यूटेल (प्रेशावननी), प्रेशाव लीनी (प्लेनर), त्रिप्प एंड लिपोट्रिप्सी में पर्याप्ती का उपाय बनी अतिरिक्त, बिना भरी, बेहोरी, बीएसड ले उपलब्ध पूरे उपाय का विवरणी दर्ते का पैकेज भी उपलब्ध।

पोलो स्टोन व्हीनिक, अपोलो टॉवर, एक्सप्रेस हाईवे प्लाई ओवर के पास देवेन्ड्र नगर, रायगुर (छ.ग.)
फोन-4020988, 4017888

INVESTIGATION

AB INVESTIGATION :
HEMOGRAM

HB : 14.3 gm %	LIPID PROFILE	HEPATIC PROFILE
TLC : 6298 cmm	Cholesterol : 165.25 mg/dl	
DLC : P 68 L 27 E 02 M 03 B 00	Triglyceride : 122.20 mg/dl	
RBC : 5.11 million/cmm	HDL : 45.57 mg/dl	
Platelet : 268 lac/cmm	LDL : 95.24 mg/dl	SGOT : 21.03 IU/L
ESR : 14 mm/hr	VLDL : 24.44 mg/dl	SGPT : 22.01 IU/L
Blood Group : O+ RH Type : Positive	CHO/HDL	ALK PHOS 63.05 IU/L
METABOLIC	OTHER INVESTIGATION	URINE EXAMINATION
Random Blood Sugar : 91.10 mg/dl	Anti HIV 1 & 2	Urine Albumin : Nil
Uric Acid : 4.12 mg/dl	HBsAg	Urine Sugar : Nil
Blood Urea : 23.35 mg/dl	Anti HCV	Microscopy : Nil
SR.CREAT : 0.74 mg/dl	Syphilis	
STOOL : mg/dl	THS	
	WIDAL	

9. OTHER INVESTIGATIONS :

- a. ECG (In case of any abnormality further test should be carried out.) : Normal
- b. X ray chest (In normal person once in 3 years, in case of any abnormality X ray can be done at shorter intervals.) : Normal
- c. Ultrasound whole abdomen (In normal person once in 3 years, in case of any abnormality X ray can be done at shorter intervals.) : Normal
- d. Others :

10. PULMONARY FUNCTION TESTS :

	FVC	FEC 1	FEC1/FVC
Predicted	02.34	01.99	85.04
Measured	02.86	02.84	99.30
% of Predicted	122	143	117

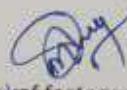
11. AUDIOMETRY EXAMINATION : Normal

THRESHOLD IN dB	RIGHT	LEFT
AIR CONDUCTION	18.3333	21.666
BONE CONDUCTION		
SPEECH		

12. MEDICAL EXAMINATION OF CANTEEN STAFF :

13. Detail of other specific medical examination carried out as mentioned in the respective in the schedules or rule 107 of CG factories rules 1962.

Remarks : Normal


Signature (with date) of factory medical officer

Signature (with date) of certifying surgeon

DR. MANISH KUMAR SHREY
M.B.B.S.

Reg. No. 6418/2016

DR MANISH KUMAR SHREY
MEDICAL OFFICER
SBPIL (TMT DIVISION)