

SBPIL/ENV/TMT/23 -24/ 1272

Date: 25.12.2023

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

**Sub: Submission of Six monthly Compliance Report for the period Apr`23 – Sept`23.**

Ref:

1. 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`23 – Sept`23** 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)**

G.R. Telang  
(DGM – EHS)

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, Atal Nagar, Raipur (C.G.).

CIN No. : U27106CT2002PLC015184

Office & Works : Kh. No. 2/3, Vill. Gondwara, Urla Industrial Complex, Raipur 493 221 (C.G.)  
Ph. : +91-771-4288111, Fax : +91-771-4288150, E-mail : info.tmt@goelgroup.co.in, Web. : www.sbpil.co.in  
Regd. Office : Vill. Borjhara, Urla Industrial Area, Raipur 493 221 (C.G.) Ph. : +91-771-4288019 / 29 / 39

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.

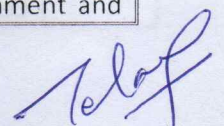
Sr. No.	SPECIFIC CONDITIONS:	STATUS AS ON 30.09.2023
1.	No additional induction furnace shall be installed. The Re-Rolling Mill and CPP shall operate for 300 and 330 days respectively.	Earlier we have been granted Permission to Establish and operate for Steel Melting Shop unit of capacity-1,05,600 TPA, against which we have installed 04 Nos. Induction furnace of 6T each, however we could not achieve desired production, hence without increase in production capacity we have installed one additional Induction Furnace of same capacity i.e. 6T at same premises area after getting amendment in Permission to Establish and permission to operate from concerned authority i.e. Member Secretary, Head Office, Chhattisgarh Environment Conservation Board, Raipur vide letter Nos. 6317 Dated-22/03/2016 and 1914 and 1916 Dated-30/06/2016 respectively. Though we have been granted Permission to Establish for 2 Nos. Induction Furnace of capacity 6T each at same campus.
2.	The gaseous emission from various process units, especially CO and HC shall conform to the load/based standards notified by this Ministry on 19 <sup>th</sup> 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 particular 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.	On-line Continuous Stack gas monitoring system for PM, SO <sub>x</sub> , NO <sub>x</sub> has been installed at stack of Power plant and necessary arrangements for submission of On-line real time emission data to CPCB website has been made. Inter locking system has been installed between Pollution control equipment and Process operation, to ensure the smooth and regular operation of pollution control equipment. Online real time emission data attached as <b>Annexure- I</b>
3.	Air emissions from AFBC boiler shall be controlled using ESPs to limit the SPM to 50 mg/Nm <sup>3</sup> . 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/Nm <sup>3</sup> .	To control and maintain Air emission from AFBC boiler within prescribed limit i.e. 50 mg/Nm <sup>3</sup> , suitable & effective ESP has been installed and attached with RCC stack of 70 meters height and emission level is being maintained well within the norms. Rolling Mill stack height is 30 meters and air emission are also being maintained well within the latest prescribed norms.

4.	Recuperator shall be installed for heat recovery from the flue gas from the reheating Furnaces.	Recuperator have been installed and working effectively.
5.	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.	Following arrangements are made to control Fugitive emission: - 1. Constructed RCC roads are being cleaned by Mechanical Sweeping Machine on regular basis. 2. Intermittent water sprinkling on internal roads, 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 Conveyor is fully covered with canopy cover. 5. Mist water spraying arrangement installed at conveyor belts 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 near the 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 transport 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 the 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 gardening/ green belt development.	The generated domestic waste water after treatment is being used for slag quenching 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	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, after crushing, screening and material removing, it is being used as replacement of sand for Brick making

*Tejof*

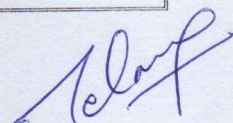
	to Ferro Alloys Plants or exported. Bag filter Dust shall be either sold or used in brick making, Coal Washery Rejects and Fines shall be stored in the premises for use in the AFBC Boiler. These shall be stored properly to avoid any fugitive dust and impact to the environment.	in our own Fly Ash Bricks plant, being sold to other slag crusher units and if balance, is being used for internal bypass Road construction. 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.
10.	Fly ash shall be utilized as per the Fly Ash Utilization Notifications No. S.O. 763(E) dated 14.9.1999 and S.O. No. 513(E) dated 3.4.2007 of the Ministry of Environment and Forests.	Most of the Fly Ash quantity is being used in our own Fly Ash Brick 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. Personal Protective Equipment like ear plug/Muffs are being provided for noise prone area employees. Report is attached as <b>Annexure- II</b>
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 5.0 to 6.0.
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 also being disposed off in safe & scientific manner. Report is attached as <b>Annexure- III</b>
14.	Green belt shall be further developed up to an area of 37,000 m <sup>2</sup> .	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 Rain Water harvesting system has been constructed at different locations of plant area to recharge the ground water. Photographs of RWH are enclosed as <b>Annexure- IV</b>

Sr. No.	GENERAL CONDITIONS:	STATUS AS ON 30.09.2023
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 out 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 <sub>2</sub> and NO <sub>x</sub> . 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 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 <b>Annexure- V</b>
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 <sup>th</sup> May 1993 and 31 <sup>st</sup> 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 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 years.	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 Enclosed as <b>Annexure- VI</b>
8.	A separate environment management cell with full fledged 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 environment 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	Officer of the Regional Office of this Ministry at Bhopal/Chhattisgarh Environment Conservation Board/Central Pollution Control

	implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted to them regularly.	Board are time to time monitoring, 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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 send to 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. Plants are 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 reserves 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



SHRI BAJRANG POWER & ISPAT LTD\_ TMT Raipur, Chhattisgarh

Stack-1 CPP

POLLUTANT(S) All Custom

30-Sep-2023 - 30-Sep-2023 AVG: 30 m

Go

Dashboard Data Diagnostic Alerts

Download

1-48 of 48

Scan Timestamp	NOX (mg/Nm3)	PM (mg/Nm3)	SO2 (mg/Nm3)
30-Sep-2023 23:30:01	2.50	28.29	32.50
30-Sep-2023 23:00:01	4.00	28.10	40.00
30-Sep-2023 22:30:01	1.00	28.44	30.00
30-Sep-2023 22:00:01	1.00	28.41	30.60
30-Sep-2023 21:30:01	1.00	28.48	29.75
30-Sep-2023 21:00:01	3.00	28.46	36.50
30-Sep-2023 20:30:01	1.00	28.51	29.80
30-Sep-2023 20:00:01	1.00	28.61	29.80
30-Sep-2023 19:30:01	1.00	28.56	30.40
30-Sep-2023 19:00:01	1.00	28.44	29.83
30-Sep-2023 18:30:01	1.00	28.55	29.80
30-Sep-2023 18:00:01	1.00	28.35	30.00
30-Sep-2023 17:30:01	1.00	28.48	30.20
30-Sep-2023 17:00:01	6.00	28.05	45.00
30-Sep-2023 16:30:01	4.00	28.20	36.83
30-Sep-2023 16:00:01	1.00	28.35	30.00
30-Sep-2023 15:30:01	1.00	28.56	30.00
30-Sep-2023 15:00:01	1.00	28.61	30.00
30-Sep-2023 14:30:01	1.00	28.55	29.80
30-Sep-2023 14:00:01	1.00	28.23	33.00
30-Sep-2023 13:30:01	1.00	28.35	30.60
30-Sep-2023 13:00:01	2.20	28.51	32.00
30-Sep-2023 12:30:01	5.80	28.10	43.80
30-Sep-2023 12:00:01	1.00	-	30.00
30-Sep-2023 11:30:01	1.00	28.61	30.00
30-Sep-2023 11:00:01	3.40	28.36	38.00
30-Sep-2023 10:30:01	1.00	28.55	30.00
30-Sep-2023 10:00:01	5.80	28.23	43.00
30-Sep-2023 09:30:01	1.00	28.46	30.80
30-Sep-2023 09:00:01	3.33	28.35	35.50
30-Sep-2023 08:30:01	5.80	28.10	45.20
30-Sep-2023 08:00:01	1.00	28.46	30.00
30-Sep-2023 07:30:01	2.50	28.29	35.00
30-Sep-2023 07:00:01	2.00	28.41	33.17
30-Sep-2023 06:30:01	5.80	28.20	42.40
30-Sep-2023 06:00:01	5.80	28.30	43.40
30-Sep-2023 05:30:01	5.00	28.23	43.50
30-Sep-2023 05:00:01	1.00	28.55	29.80
30-Sep-2023 04:30:01	5.80	28.10	47.00
30-Sep-2023 04:00:01	6.00	28.00	46.50
30-Sep-2023 03:30:01	3.40	28.35	39.00
30-Sep-2023 03:00:01	5.80	28.00	40.80
30-Sep-2023 02:30:01	5.00	28.31	41.00
30-Sep-2023 02:00:01	1.00	28.61	30.25
30-Sep-2023 01:30:01	3.40	28.29	35.80
30-Sep-2023 01:00:01	5.00	28.23	41.83
30-Sep-2023 00:30:01	1.00	28.55	29.83
30-Sep-2023 00:00:01	3.40	28.20	34.40

*Handwritten signature*



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

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

<i>Name &amp; Address Of The Customer</i>		REPORT NO	UES/TR/23-24/02755
<b>To,</b>		LAB REF NO	UES/23-24/N/05592-05595
<b>M/S SHRI BAJRANG POWER &amp; ISPAT LTD. (TMT DIVISION)</b>		DATE OF SAMPLING	18/04/2023 to 19/04/2023
<b>KHASRA NO.2/3 VILL: GONDWARA, URLA INDUSTRIAL COMPLEX, RAIPUR (C.G.) 493221</b>		DATE OF REPORT	22/04/2023
SAMPLE DETAILS			
CUSTOMER REF. NO. & DATE	SBPIL(GONDWARA)/ENV/22-23/932 DATED: 31.03.2022		
MONITORING FOR	NOISE LEVEL MONITORING		
SAMPLING LOCATION	INSIDE PLANT (AS DESCRIBED BELOW)		
SAMPLE RECEIVED ON	MONITORING AT		
SAMPLE COLLECTED BY	LABORATORY CHEMIST		
SAMPLING PROCEDURE	MANUFACTURER'S INSTRUCTION		
SAMPLE QUANTITY/PACKING	NOT APPLICABLE		

TEST REPORT					
LOCATION	UNIT	RESULT		LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
NEAR BOILER AND CHP	dB (A)	67	56	75	70
NEAR BRICK PLANT	dB (A)	74	62		
NEAR POWER PLANT	dB (A)	68	57		
NEAR ADMIN BUILDING	dB (A)	62	55		

**REMARKS: RESULTS ARE AS ABOVE**

**Terms & conditions**

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

 22/04/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----



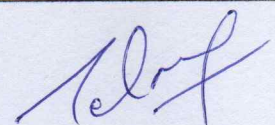
**CORPORATE RESPONSIBILITY FOR ENVIRONMENTAL PROTECTION (CREP)  
CONDITIONS AND ITS COMPLIANCE**

S.NO	POSSIBLE EMERGENCY	PREVENTIVE MEASURES
1.	<p><b>COKE OVEN PLANTS</b></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><b>STEEL MELTING SHOP</b></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><b>BLAST FURNACE</b></p> <p>Direct inject of reducing agents by June 2013.</p>	Not applicable since there is no blast furnace
4.	<p><b>SOLID WASTE /HAZARDOUS WASTE MANAGEMENT</b></p> <p>Utilization of Steel/ Melting shop (SMS)/ Blast Furnace (BF) Slag as per the following schedule: By 2004 - 70% By 2006 - 80% and 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><b>HAZARDOUS WASTES</b></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&amp; 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><b>WATER CONSERVATION/ WATER POLLUTION</b></p> <p>To reduce specific water consumption to 5 m<sup>3</sup>/t for long products and 8 m<sup>3</sup>/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 <sup>3</sup> /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"> <li>• Energy recovery of top Blast Furnace (BF) gas.</li> </ul>	Not Applicable
	<ul style="list-style-type: none"> <li>• Use of Tar- free runner linings.</li> </ul>	No tar runner linings are proposed
	<ul style="list-style-type: none"> <li>• De- dusting of Cast house at tap holes, runners, skimmers ladle and charging points.</li> </ul>	Dedusting has been provided.
	<ul style="list-style-type: none"> <li>• Suppression of fugitive emissions using nitrogen gas or other inert gas</li> </ul>	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"> <li>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.</li> </ul>	<p>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.</p>
	<ul style="list-style-type: none"> <li>Processing of the waste containing flux &amp; ferrous wastes through waste recycling plant.</li> </ul>	<p>Not applicable to us.</p>
	<ul style="list-style-type: none"> <li>To implement rainwater harvesting</li> </ul>	<p>Rainwater harvesting structures have been constructed at different locations of plant premises.</p>
	<ul style="list-style-type: none"> <li>Reduction Green House Gases by: <ul style="list-style-type: none"> <li>➤ Reduction in power consumption</li> <li>➤ Use of by-products gases for power generation</li> <li>➤ Promotion of Energy Optimization technology including energy/ audit</li> </ul> </li> </ul>	<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"> <li>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.</li> </ul>	<p>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.</p>
	<ul style="list-style-type: none"> <li>To improve overall housekeeping and Green belt.</li> </ul>	<p>Greenbelt has been developed to control fugitive dust and Noise.</p> <p>Good housekeeping is being maintained in the plant.</p>



10	<p><b>SPONGE IRON PLANTS</b></p> <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>	<p>Not applicable as there is no Sponge Iron Plant</p>
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*Relof*

*Relof*

Rainwater Harvesting Photographs \_



Pit-1



Pit -2



Pit -3



Pit -4



Pit -5

Rainwater Harvesting Pits, Gondwara



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

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

<b>Name &amp; Address Of The Customer</b>		<b>REPORT NO.</b>	UES/TR/23-24/02743	
<b>To, M/S SHRI BAJRANG POWER &amp; ISPAT LTD. (TMT DIVISION) KHASRA NO.2/3 VILL: GONDWARA, URLA INDUSTRIAL COMPLEX, RAIPUR (C.G.) 493221</b>		<b>LAB REF NO.</b>	UES/23-24/AAQM/05577	
		<b>DATE OF SAMPLING</b>	18/04/2023 to 19/04/2023	
		<b>DATE OF RECEIPT</b>	19/04/2023	
		<b>DATE OF REPORT</b>	24/04/2023	
		<b>DATE OF ANALYSIS</b>	START: 19/04/2023	END: 24/04/2023
		<b>SAMPLE DETAILS</b>		
<b>MONITORING FOR</b>	AMBIENT AIR QUALITY MONITORING			
<b>SAMPLING LOCATION</b>	NEAR POWER PLANT	<b>LATITUDE</b>	21.29294	
		<b>LONGITUDE</b>	81.61916	
<b>CUSTOMER REF. NO.</b>	SBPIL(GONDWARA)/ENV./2023-24/498 DATED: 03.04.2023			
<b>SAMPLE COLLECTED BY</b>	LABORATORY CHEMIST			
<b>DURATION OF SAMPLING</b>	24 HOURS			
<b>SAMPLING PROCEDURE</b>	AS PER METHOD REFERENCE			
<b>SAMPLE QUANTITY/PACKING</b>	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO., SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (as PM <sub>10</sub> )	µg/m <sup>3</sup>	84	100	IS: 5182 (Part-23) : 2017
2	Particulate Matter size less than 2.5 microns (as PM <sub>2.5</sub> )	µg/m <sup>3</sup>	43	60	IS: 5182 (Part-24) : 2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	15	80	IS: 5182 (Part-2) : 2017
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	28	80	IS: 5182 (Part-6) : 2017
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.4	4.0	IS 5182 (Part 10) : 1999, RA 2003

Note: All results are on the basis of 24hour sampling.

**REMARKS: RESULTS ARE AS ABOVE**

#### Terms & conditions

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

 24/04/23 <b>REVIEWED BY</b>		For ULTIMATE ENVIROLYTICAL SOLUTIONS  <b>AUTHORIZED SIGNATORY</b>
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-----End of the test report-----



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

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<i>Name &amp; Address Of The Customer</i>		REPORT NO.	UES/TR/23-24/02744	
<b>To, M/S SHRI BAJRANG POWER &amp; ISPAT LTD. (TMT DIVISION) KHASRA NO.2/3 VILL: GONDWARA, URLA INDUSTRIAL COMPLEX, RAIPUR (C.G.) 493221</b>		LAB REF NO.	UES/23-24/AAQM/05578	
		DATE OF SAMPLING	18/04/2023 to 19/04/2023	
		DATE OF RECEIPT	19/04/2023	
		DATE OF REPORT	24/04/2023	
		DATE OF ANALYSIS	START: 19/04/2023	END: 24/04/2023
<b>SAMPLE DETAILS</b>				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING			
SAMPLING LOCATION	NEAR ADMIN BUILDING	LATITUDE	21.293891	
		LONGITUDE	81.615744	
CUSTOMER REF. NO.	SBPIL(GONDWARA)/ENV./2023-24/498 DATED: 03.04.2023			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
DURATION OF SAMPLING	24 HOURS			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO., SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (as PM <sub>10</sub> )	µg/m <sup>3</sup>	65	100	IS: 5182 (Part-23) : 2017
2	Particulate Matter size less than 2.5 microns (as PM <sub>2.5</sub> )	µg/m <sup>3</sup>	36	60	IS: 5182 (Part-24) : 2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	13	80	IS: 5182 (Part-2) : 2017
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	29	80	IS: 5182 (Part-6) : 2017
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.5	4.0	IS 5182 (Part 10) : 1999, RA 2003

Note: All results are on the basis of 24 hour sampling.

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 24/04/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----



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

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

<i>Name &amp; Address Of The Customer</i>		REPORT NO.	UES/TR/23-24/02745	
<b>To, M/S SHRI BAJRANG POWER &amp; ISPAT LTD. (TMT DIVISION) KHASHRA NO.2/3 VILL: GONDWARA, URLA INDUSTRIAL COMPLEX, RAIPUR (C.G.) 493221</b>		LAB REF NO.	UES/23-24/AAQM/05579	
		DATE OF SAMPLING	18/04/2023 to 19/04/2023	
		DATE OF RECEIPT	19/04/2023	
		DATE OF REPORT	24/04/2023	
		DATE OF ANALYSIS	START: 19/04/2023	END: 24/04/2023
<b>SAMPLE DETAILS</b>				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING			
SAMPLING LOCATION	NEAR ROLLING MILL			
CUSTOMER REF. NO.	SBPIL(GONDWARA)/ENV./2023-24/498 DATED: 03.04.2023			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
DURATION OF SAMPLING	24 HOURS			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO., SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (as PM <sub>10</sub> )	µg/m <sup>3</sup>	81	100	IS: 5182 (Part-23) : 2017
2	Particulate Matter size less than 2.5 microns (as PM <sub>2.5</sub> )	µg/m <sup>3</sup>	39	60	IS: 5182 (Part-24) : 2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	16	80	IS: 5182 (Part-2) : 2017
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	27	80	IS: 5182 (Part-6) : 2017
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.6	4.0	IS 5182 (Part 10) : 1999, RA 2003

Note: All results are on the basis of 24 hour sampling.

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





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

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

<i>Name &amp; Address Of The Customer</i>		REPORT NO.	UES/TR/23-24/02746	
<b>To, M/S SHRI BAJRANG POWER &amp; ISPAT LTD. (TMT DIVISION) KHASRA NO.2/3 VILL: GONDWARA, URLA INDUSTRIAL COMPLEX, RAIPUR (C.G.) 493221</b>		LAB REF NO.	UES/23-24/AAQM/05580	
		DATE OF SAMPLING	18/04/2023 to 19/04/2023	
		DATE OF RECEIPT	19/04/2023	
		DATE OF REPORT	24/04/2023	
		DATE OF ANALYSIS	START: 19/04/2023	END: 24/04/2023
<b>SAMPLE DETAILS</b>				
MONITORING FOR	AMBIENT AIR QUALITY MONITORING			
SAMPLING LOCATION	NEAR WIRE DRAWING MILL	LATITUDE	21.292594	
		LONGITUDE	81.615405	
CUSTOMER REF. NO.	SBPIL(GONDWARA)/ENV./2023-24/498 DATED: 03.04.2023			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
DURATION OF SAMPLING	24 HOURS			
SAMPLING PROCEDURE	AS PER METHOD REFERENCE			
SAMPLE QUANTITY/PACKING	FILTER PAPER (PM <sub>10</sub> ): 1X1 NO., FILTER PAPER (PM <sub>2.5</sub> ): 1X1 NO., SO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE, NO <sub>2</sub> : 30MLX1 NO. PVC BOTTLE RUBBER BLADDER: 1X1 NO.			

### TEST REPORT

SR. NO.	PARAMETER	UNIT	RESULT	NAAQM STANDARD	METHOD REFERENCE
1	Particulate Matter size less than 10 microns (as PM <sub>10</sub> )	µg/m <sup>3</sup>	72	100	IS: 5182 (Part-23) : 2017
2	Particulate Matter size less than 2.5 microns (as PM <sub>2.5</sub> )	µg/m <sup>3</sup>	34	60	IS: 5182 (Part-24) : 2019
3	Sulphur Dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	16	80	IS: 5182 (Part-2) : 2017
4	Nitrogen Dioxide (as NO <sub>2</sub> )	µg/m <sup>3</sup>	30	80	IS: 5182 (Part-6) : 2017
5	Carbon Monoxide (as CO)	mg/m <sup>3</sup>	0.7	4.0	IS 5182 (Part 10) : 1999, RA 2003

Note: All results are on the basis of 24 hour sampling.

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 24/04/23 REVIEWED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  AUTHORIZED SIGNATORY
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-----End of the test report-----

**FORM 21**  
(Prescribed under Rule(19)1  
Health Register

(In respect person employed in occupations declared to be dangerous operation under section 87)

Name of Worker... Mr. Ramkumar Goswami Age/Sex... 47y/m  
Name of Company:- Bajrang TMT Employee Code 100676  
Nature of occupation SMS Date - 18/08/2023

**Annexure**

**PRE-EMPLOYMENT & PERIODIC MEDICAL EXAMINATION**

**(1) GENERAL EXAMINATION:**

Height 170 cm, Weight 70 kg, BMI 24.2  
Chest Inspiration 25 cm, Expiration 23 cm  
Throat (N) Tongue (N) Tonsils (N) Teeth (N)  
Gums (N) Thyroid (N)  
Lymph nodes: NO  
Additional finding: NO

**(2) CARDIO-VASCULAR SYSTEM:**

Pulse: 74 mt. Regular/Irregular Peripheral Pulse-felt/not felt  
BP 160/90 min of Hg Heart Sound: NORMAL/ABNORMAL....  
Murmur, if any - NO..... Additional finding (s), if any NO.....

**(3) RESPIRATORY SYSTEM:**

Shape of Chest: Tubular ..... Chest movements: Symmetrical.....  
Trachea Centrally ..... Breath sound - Vesicular.....

**(5) GASTRO-INTESTINAL SYSTEM:**

Liver NP..... Spleen NP.....  
Any abdominal lumps: NO/YES

**(6) EXAMINATION OF EYES :**

External Exam - NORMAL/ABNORMAL.... Squint: NO..... YES/NO.....  
Nystagmus : NO..... YES/NO..... Fundus L / R  
Night Blindness NO..... YES/NO.....  
Colour vision - Normal / Defective  
Individual colour identification- Normal / Defective

Distance vision (without glasses) Right 6/6..... Left 6/6  
(with glasses) Right ..... Left .....  
Near-vision (without glasses) Right 4/6..... Left 4/6  
(with glasses) Right ..... Left .....

**(6) EXAMINATION OF EAR, NOSE & THROAT:**

External Examination: NAD.....

**(7) GENITO URINARY SYSTEM:**

Hernia - NO..... Hydrocele - NO..... Varicocele - NO.....  
Cryptorchidism- NO..... Phimosis ... NO..... Varicose veins- NO.....  
Signs of STD ... NO.....

**Other Examinations For Females :**

Menarche ..... yr. G. Para ..... Menstrual irregularity ..... if any

**INVESTIGATIONS**

**(8) Lab Investigations:**

**Haemogram**  
 Blood Group ..... B ..... Rh factor Positive Hb 14.0 gm%  
 RBC ..... 5.19 ..... Platelets Count 238 ..... TLC 10200  
 DLC :- P 66 L 28 E 02 M 04 B 00

**Renal profile**

Blood Urea : 29.0 ..... S. Creatinine : 1.10

**Hepatic profile** - SGOT 25.0 ... SGPT 33.0 Alkaline Phosphate 105.0 ... S. Bilirubin

**Lipid profile :**

Serum Cholesterol 162.0 ..... Triglycerides 126.0 ..... HDL 40.0 ..... LDL 96.80 .....

**Metabolic**

Blood Sugar R 123.0 Blood Sugar PP ..... S. Uric Acid 4.95 .....

Urine: Albumin Nil ..... Sugar Nil ..... Microscopy Nil .....

Stool : ..... Nil .....

**(10) Other Investigation**

**X-Ray Chest. PA** ..... Nil .....

(In normal person once in three year), (in case of any abnormality x-ray can be done at shorter intervals)

**ECG** ..... Nil ..... (In case of any abnormality further test should be carried out)

**Ultra Sound**- Whole abdomen (in normal person once in three years in case of any abnormality can be done at shorter interval)

**Other** .....

**(10) Pulmonary Function Test**

	FCV	FEV 1	FEV 1/FVC
PREDICATED	03.35	02.68	80.00
MEASURED	02.80	02.57	91.79
% OF PREDICATED	084	096	115

Remark- WNL

**(11) Audiometry examination**

PTA	Lt. Ear <u>21.6</u>	Rt. Ear <u>16.6</u>
Remark	<u>B/L Normal hearing sensitivity</u>	

PTA of both ears at frequency 150, 250, 500, 1000, 2000, 4000, 8000 Cycles/sec

**(12) Medical examination of canteen staff**

- (a) Blood examination for venereal disease and routine blood examination
- (b) Stool and urine examination for worm infection
- (c) Screening for skin diseases (scabies and others)
- (d) X-ray and other tests for T, B.

**13. Details of Other specific medical examination** carried out as mentioned in the respective schedules of 107 of C.G. Factory rules 1962-

*(Signature)*

Signature (with date) of  
 Factory Medical Officer

**Dr. Manish Kumar Shrey**

MBBS

Reg. No. 6418/2016

*(Signature)*

Signature (with date)  
 Certifying surgeon

**Dr. Paras Jain**

MBBS, DMR

Regd. No. 3850

Apollo Diagnostic Centre  
 (A.P.D.C.) (G.)

24x7

PATIENT NAME : Mr. RAM KUMAR GOSHWAMI

DATE : 18/06/2023

AGE / SEX : 47 Y / Male

UHID NO : 2023186215769

REF DR. : BAJRANG

अपोलो डायग्नोस्टिक सेंटर, अपोलो टॉवर, एक्सप्रेस हाईवे फ्लाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.) 4020988, 4017888

### उपलब्ध सुविधाएँ

- 3.0 T एम.आर.आई (साईलेंट)
- 96 स्लाईस होल बॉडी स्पाइरल सी.टी.स्कैन
- लिथोट्रिप्सी ESWL (लेजर द्वारा पथरी का इलाज)
- मास्टर हेल्थ चेकअप
- होल बॉडी कलर सोनोग्राफी (5D)
- लीवर, ब्रेस्ट एवं थायरॉइड इलास्टोग्राफी
- वेस्कुलर डापलर
- डिजीटल एक्स-रे
- डिजीटल पोटेंबल एक्स-रे
- डिजीटल OPG एक्स-रे
- डिजीटल मेमोग्राफी
- कलर डापलर इकोकार्डियोग्राफी
- कम्प्यूटराईज़्ड TMT, ई.सी.जी.
- पैथालॉजी
- FNAC सायटोलॉजी
- कम्प्यूटराईज़्ड ई.ई.जी. EMG, NCV,
- स्पाइरोमीटर (PFT)

### BIO CHEMISTRY

PARAMETERS	RESULT	UNIT	REFERENCE VALUES
Urea	29.0	mg/dl	15 - 45
Creatinine	1.10	mg/dl	0.6 - 1.4
Uric Acid	4.95	mg/dl	3.6-7.0
SGOT (AST)	25.0	U/L	0-45
SGPT (ALT)	33.0	U/L	0-45
Alkaline phosphatase (ALP)	105.0	U/L	41-137
Total Cholesterol	162.0	mg/dl	Desirable <200 Borderline high 200-239 High >240
Triglycerides	126.0	mg/dl	Desirable <150 Borderline high 151-199 High 200-499 Very high >500
HDL Cholesterol	40.0	mg/dl	35-70
VLDL Cholesterol	25.20	mg/dl	7-35
LDL Cholesterol	96.80	mg/dl	Desirable <100 Above desirable 100-129 Borderline high 130-159 High 160-189 Very high >190
GLUCOSE RANDOM	122.0	mg/dl	80-140



For appointment :  
91934 89000, 91934 86000

- Skin Treatment
- Laser Treatment
- Hair Growth Treatment

Note - Please Correlate Clinically

3.0T एम.आर.आई (साईलेंट)

पथरी का इलाज (लिथोट्रिप्सी)

एम्बुलेंस सेवा उपलब्ध

स्किन एंड लेजर ट्रीटमेंट

For-MRI, CT Scan Emergency- 9630898682, 9926892536

For appointment 0771 - 4017888, 4020988



APOLLO  
STONE  
CLINIC

जर्मनी से आयातित अत्याधुनिक सर्वश्रेष्ठ सीमेंस लिथोट्रिप्सी मशीन एवं जार्नियर लिथोट्रिप्सी मशीन द्वारा किडनी (गुर्दे), यूरैटर (पेशाबनली), पेशाब थैली (ब्लैडर), पित्तनली एवं पेनक्रियाज ग्रंथी में पथरी का उपचार बगैर ऑपरेशन, बिना भर्ती, बेहोशी, चीरफाड़ के उपलब्ध पूरे उपचार का रियायती दरों का पैकेज भी उपलब्ध।  
अपोलो स्टोन क्लिनिक, अपोलो टॉवर, एक्सप्रेस हाईवे फ्लाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.)  
फोन-4020988, 4017888

24x7

PATIENT NAME : Mr. RAM KUMAR GOSHWAMI

DATE : 18/06/2023

AGE / SEX : 47 Y / Male

UHID NO : 2023186215769

REF DR. : BAJRANG

अपोलो डायग्नोस्टिक सेंटर, अपोलो टॉवर, एक्सप्रेस हाईवे फ्लाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.) 4020988, 4017888

### उपलब्ध सुविधाएँ

- 3.0 T एम.आर.आई. (साईलेंट)
- 96 स्लाइस होल बॉडी  
स्पाइरल सी.टी.स्कैन
- लिथोट्रिप्सी ESWL  
(लेजर द्वारा पथरी का इलाज)
- मास्टर हेल्थ चेकअप
- होल बॉडी कलर  
सोनोग्राफी (5D)
- लीवर, ब्रेस्ट एवं थायरॉइड  
इलास्टोग्राफी
- वेस्कुलर डापलर
- डिजीटल एक्स-रे
- डिजीटल पोर्टेबल एक्स-रे
- डिजीटल OPG एक्स-रे
- डिजीटल मेमोग्राफी
- कलर डापलर इकोकार्डियोग्राफी
- कम्प्यूटराइज्ड TMT, ई.सी.जी.
- पैथालॉजी
- FNAC सायटोलॉजी
- कम्प्यूटराइज्ड ई.ई.जी.  
EMG, NCV,
- स्पाइरोमीटर (PFT)

## CLINICAL PATHOLOGY

PARAMETERS RESULT UNIT REFERENCE VALUES

### URINE ROUTINE AND MICROSCOPY

#### Physical Examination

COLOUR	Pale yellow		
QUANTITY	25	ml	>30
APPEARANCE	Clear	-	Clear
REACTION	Acidic	-	Acidic

#### CHEMICAL EXAMINATION

ALBUMIN.	Nil	-	NIL
SUGAR	Nil	%	NIL

#### MICROSCOPY EXAMINATION

RBC	Nil	/hpf	NIL
PUS CELLS	4-5	/hpf	<5
EPITHELIAL CELLS	3-4	/hpf	<3
CRYSTALS	Absent	-	Absent
CASTS	Absent	-	Absent
BACTERIA	Absent	-	Absent

Others(Urine)

Note - Please Correlate Clinically

3.0T एम.आर.आई. (साईलेंट)

पथरी का इलाज (लिथोट्रिप्सी)

एम्बुलेंस सेवा उपलब्ध

स्किन एंड लेजर ट्रीटमेंट

For-MRI, CT Scan Emergency- 9630898682, 9926892536

For appointment 0771 - 4017888, 4020988



जर्मनी से आयातित अत्याधुनिक सर्वश्रेष्ठ सीमेंस लिथोट्रिप्सी मशीन एवं डार्नियर लिथोट्रिप्सी मशीन द्वारा किडनी(गुर्दे), यूरैटर(पेशाबनली), पेशाब बैली(ब्लैडर), पित्तनली एवं पैनक्रियाज ग्रंथी में पथरी का उपचार बगैर ऑपरेशन, बिना भर्ती, बेहोशी, बीरफाइ के उपलब्ध पूरे उपचार का रियायती दरों का पैकेज भी उपलब्ध।  
अपोलो स्टोन क्लीनिक, अपोलो टॉवर, एक्सप्रेस हाईवे फ्लाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.)  
फोन-4020988, 4017888

24x7

PATIENT NAME : Mr. RAM KUMAR GOSHWAMI

DATE : 18/06/2023

AGE / SEX : 47 Y / Male

UHID NO. : 2023186215769

REF DR. : BAJRANG

अपोलो डायग्नोस्टिक सेंटर, अपोलो टॉवर, एक्सप्रेस हाईवे फ्लाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.) 4020988, 4017888

### उपलब्ध सुविधाएँ

- 3.0 T एम.आर.आई (साईलेंट)
- 96 स्लाइस होल बॉडी  
स्पाइरल सी.टी.स्कैन
- लिथोट्रिप्सी ESWL  
(लेजर द्वारा पथरी का इलाज)
- मास्टर हेल्थ चेकअप
- होल बॉडी कलर  
सोनोग्राफी (5D)
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इलास्टोग्राफी
- वेस्कुलर डापलर
- डिजीटल एक्स-रे
- डिजीटल पोटेंबल एक्स-रे
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- EMG, NCV,
- स्पाइरोमीटर (PFT)

### HAEMATOLOGY

PARAMETERS	RESULT	UNIT	REFERENCE VALUES
ABO Group	" B "		
Rh Type	POSITIVE		
Total WBC Count	10200	/cumm	4500-11000
Total RBC	5.19	10 <sup>6</sup> /μl	4.00 - 5.60
Haemoglobin	14.0	g/dl	12.5-17.0
Platelet Count	238	10 <sup>3</sup> /μl	150-400
Neutrophils	66	%	40 - 75
Lymphocytes	28	%	20 - 40
Eosinophils	02	%	1 - 6
Monocytes	04	%	1 - 10
Basophils	00	%	0 - 1

— End Of Report —

DR. S. CHATTERJEE  
DCP.DNBE  
CON. PATHOLOGIST

CHECKED BY

Note - Please Correlate Clinically

3.0T एम.आर.आई (साईलेंट)

पथरी का इलाज (लिथोट्रिप्सी)

एम्बुलेंस सेवा उपलब्ध

स्किन एंड लेजर ट्रीटमेंट

For-MRI, CT Scan Emergency- 9830898682, 9926892536

For appointment 0771 - 4017888, 4020988



जर्मनी से आयातित अत्याधुनिक सर्वश्रेष्ठ सीमेंस लिथोट्रिप्सी मशीन एवं जर्मियर लिथोट्रिप्सी मशीन द्वारा किडनी(गुर्वे), युरेटर(पेशाबनली), पेशाब थैली(ब्लैडर), पित्तनली एवं पैनक्रियाज ग्रंथी में पथरी का उपचार बगैर ऑपरेशन, बिना भर्ती, बेहोशी, चीरफाड़ के उपलब्ध पूरे उपचार का रियायती दरों का पैकेज भी उपलब्ध।  
अपोलो स्टोन क्लीनिक, अपोलो टॉवर, एक्सप्रेस हाईवे फ्लाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.)  
फोन-4020988, 4017888

Pt. Name :- **PARAS RAM-KUMAR-GOSWAMI**

Sex - M

Ref by Dr. :- **BAJRANG TMT**

Date - 18.06.2023

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

**उपलब्ध सुविधाएँ**

- 3.0 T एम.आर.आई. (साईलेंट)
- 96 स्लाइस होल बॉडी  
स्पाइरल सी.टी.स्कैन
- लिथोट्रिप्सी ESWL  
(लेजर द्वारा पथरी का इलाज)
- मास्टर हेल्थ चेकअप
- होल बॉडी कलर  
सोनोग्राफी (5D)
- लीवर, ब्रेस्ट एवं थायराइड  
इलास्टोग्राफी
- वेस्कुलर डापलर
- डिजीटल एक्स-रे
- डिजीटल पोर्टेबल एक्स-रे
- डिजीटल OPG एक्स-रे  
डिजीटल मेमोग्राफी
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- कम्प्यूटराइज़्ड TMT, ई.सी.जी.
- पैथालॉजी
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- कम्प्यूटराइज़्ड ई.ई.जी.  
EMG, NCV,  
स्पाइरोमीटर (PFT)

**ULTRASONOGRAPHY OF WHOLE ABDOMEN  
DONE BY MOST ADVANCED LIVE 4 - D - RS-80A (SAMSUNG)  
WHOLE BODY COLOUR DOPPLER MACHINE**

**LIVER** :- Appears normal in size and outline with normal homogenous echotexture.  
No focal parenchymal lesion seen.. Intrahepatic billiary radicles are not dilated, no calculi seen.

**GALL BLADDER**:- Appears normal in size, shape and wall thickness without any evidence of stone or any mass lesion in it.

**PV AND CBD**:-Measurements are within normal limits. No calculi shadow seen in CBD.

**PANCREAS** :-Shows normal homogenous echotexture. No focal parenchymal Lesion seen.

**BOTH KIDNEY**:-Both kidneys appears normal in size, shape & echotexture,  
No focal parenchymal lesion seen. No evidence of stone, hydronephrosis or any mass lesion seen.

**SPLEEN** :- Appears normal in size, shape & echotexture.

**URINARY BLADDER** :-Appears normal in size, shape and wall thickness, No intraluminal pathology seen.

**PROSTATE** - Is normal in size shape & echotexture.

\* No evidence of lymphadenopathies or ascites seen.

**IMPRESSION**:- Normal U. S. study.



Dr. Paras Jain  
MBBS. DMR  
(Consultant Radiologist &  
Ultrasonologist)



For appointment :  
91934 89000, 91934 86000

- Skin Treatment
- Laser Treatment
- Hair Growth Treatment

**3.0T एम.आर.आई. (साईलेंट)**

**पथरी का इलाज (लिथोट्रिप्सी)**

**एम्बुलेंस सेवा उपलब्ध**

**स्किन एंड लेजर ट्रीटमेंट**

For-MRI, CT Scan Emergency- 9630898682, 9926892536

For appointment 0771 - 4017888, 4020988



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पोलो स्टोन क्लिनिक, अपोलो टॉवर, एक्सप्रेस हाईवे फ्लाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.)  
फोन-4020988, 4017888

Pt. Name :- RAM KUMAR GOSWAMI

Sex - M

Ref by Dr. :- BAJRANG TMT

Date - 18.06.2023

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

**उपलब्ध सुविधाएँ**

- 3.0 T एम.आर.आई. (साईलेंट)
- 96 स्लाइस होल बॉडी  
स्पाइरल सी.टी.स्कैन
- लिथोट्रिप्सी ESWL  
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EMG, NCV,
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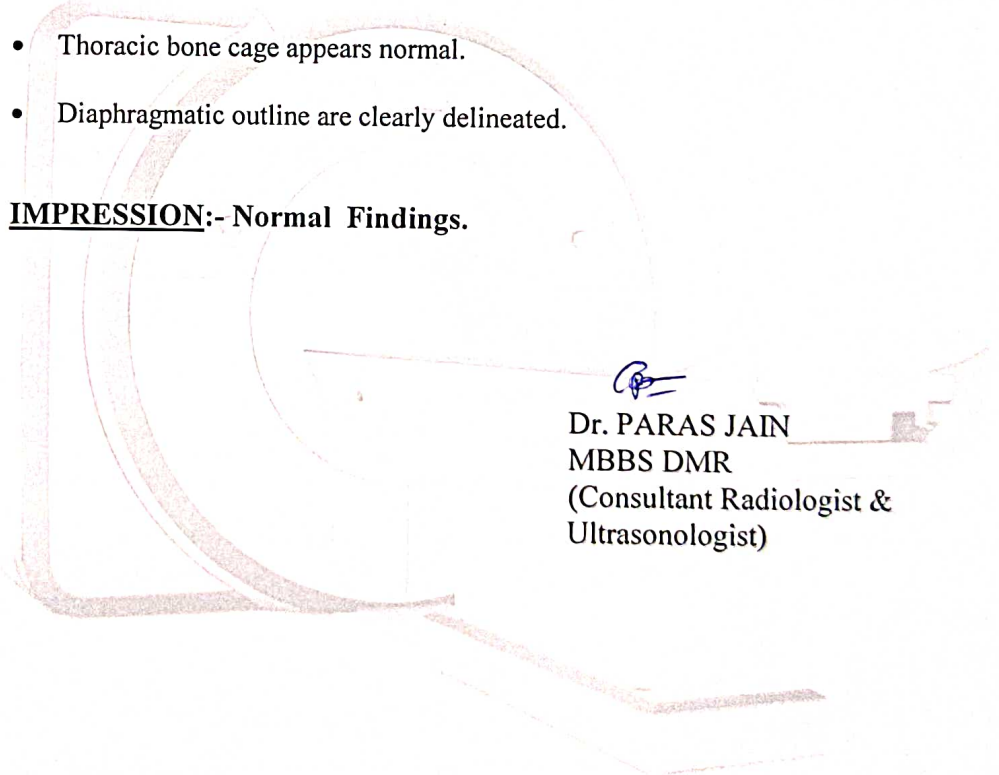
For appointment :  
91934 89000, 91934 86000


- Skin Treatment
- Laser Treatment
- Hair Growth Treatment

**X-RAY CHEST PA VIEW**

- Both lung fields are clear no active parenchymal lesion seen.
- Both costophrenic angles are clear.
- Cardiothoracic ratio is within normal limits, Cardiac shadow shows no significant abnormality.
- Thoracic bone cage appears normal.
- Diaphragmatic outline are clearly delineated.

**IMPRESSION:- Normal Findings.**



  
Dr. PARAS JAIN  
MBBS DMR  
(Consultant Radiologist &  
Ultrasonologist)

**3.0T एम.आर.आई. (साईलेंट)**

**पथरी का इलाज (लिथोट्रिप्सी)**

**एम्बुलेंस सेवा उपलब्ध**

**स्किन एंड लेजर ट्रीटमेंट**

For-MRI, CT Scan Emergency-9630898682, 9926892536

For appointment 0771 - 4017888, 4020988



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पोलो स्टोन क्लिनिक, अपोलो टॉवर, एक्सप्रेस हाईवे फ्लाई ओवर के पास देवेन्द्र नगर, रायपुर (छ.ग.)  
फोन-4020988, 4017888



# APOLLO

DIAGNOSTIC CENTRE

AUDIOMETER : APOLLO DIAGNOSTIC CENTRE

REF. BY :

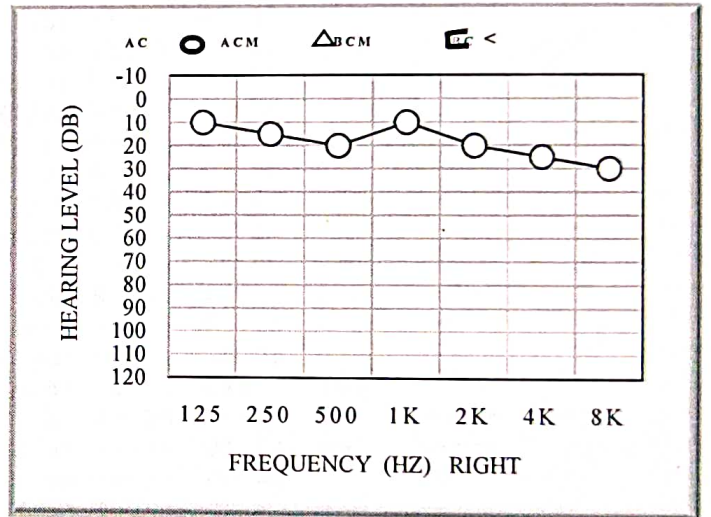
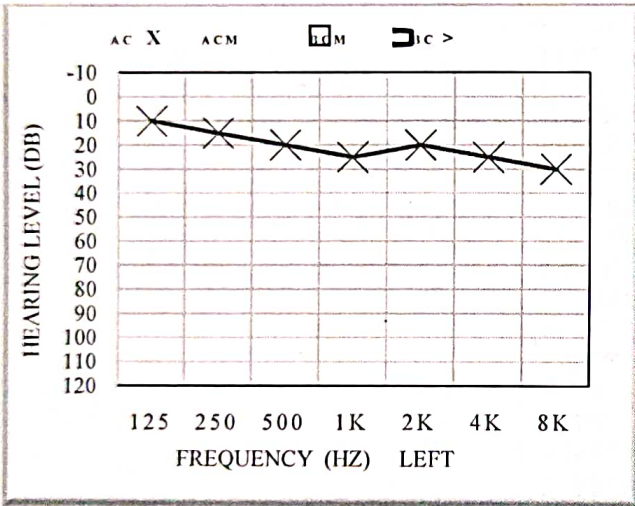
DATE 18-06-23

NAME : MR RAMKUMAR GOSWAMI

AGE / SEX 47Y/M

COMPANY : BAJRANG TMT

## AUDIOGRAM



EAR	MODE	AIR CONDUCTION		BONE CONDUCTION		COLOUR CODE	THRESHHOLD IN dB		
		MASKED	UNMASKED	MASKED	UNMASKED		LEFT	RIGHT	
LEFT		□	×	⌋	>	BLUE	AIR CONDUCTION	21.66666667	16.66667
RIGHT		△	○	⌈	<	RED	BONE CONDUCTION		
							SPEECH		

NO RESPONSE : ADD ↓ BELOW THE RESPECTIVE SYMBOLS

REMARK :

डॉ. एस.के. धागमवार  
 एम.बी.बी.एस., डी.एल.ओ.  
 कान नाक एवं गला विशेषज्ञ  
 रायपुर (छ.ग.)  
 Reg. No. CG-2042

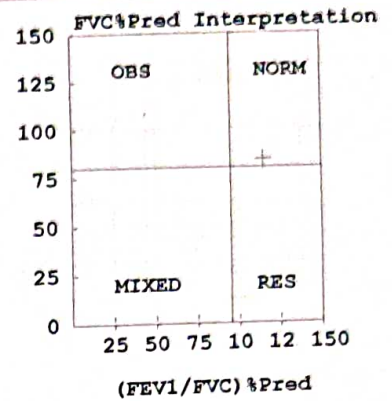
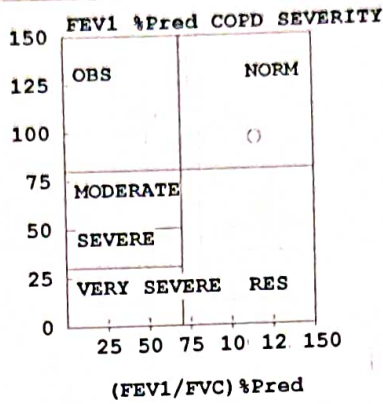
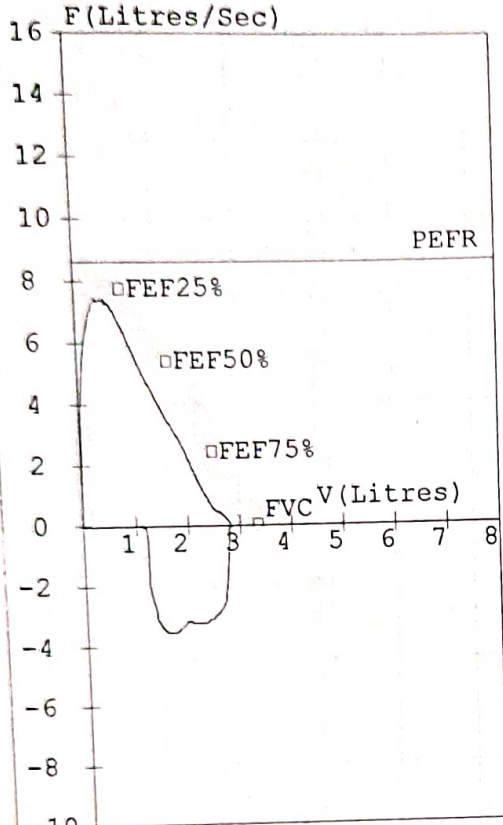
# APOLLO DIAGNOSTIC CENTER

DEVENDRA NAGAR RAIPUR



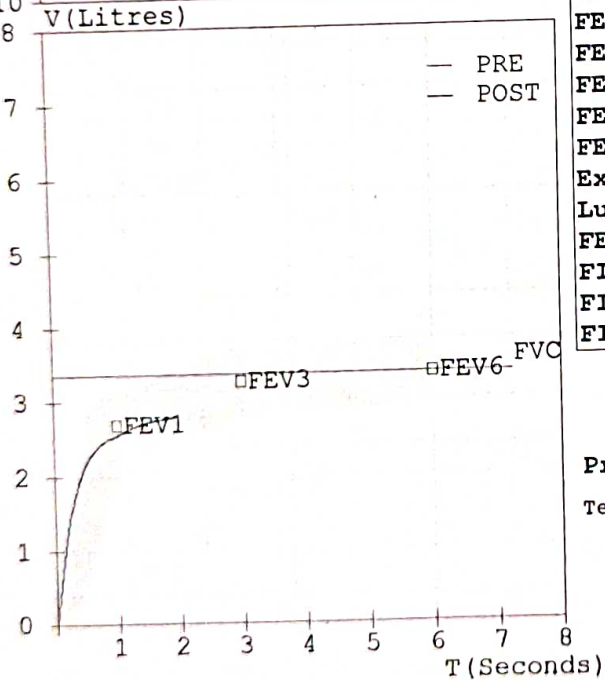
Patient: MR RAMKUMAR GOSWAMI  
 Refd. By: BAJRANG TMT  
 Pred. Eqns: RECORDERS  
 Date: 18-Jun-2023 12:58 PM

Age: 47 Years Gender: Male  
 Height: 170 Cms Smoker: No  
 Weight: 70 Kgs Eth. Corr: 100  
 ID: 4248 Temp:



### Spirometry (FVC Results)

Parameter	Pred	M. Pre	%Pred	M. Post	%Pred	%Imp
FVC (L)	03.35	02.80	084	-----	---	---
FEV1 (L)	02.68	02.57	096	-----	---	---
FEV1/FVC (%)	80.00	91.79	115	-----	---	---
FEF25-75 (L/s)	03.62	03.80	105	-----	---	---
PEFR (L/s)	08.60	07.36	086	-----	---	---
FIVC (L)	-----	01.68	---	-----	---	---
FEV.5 (L)	-----	02.17	---	-----	---	---
FEV3 (L)	03.25	02.80	086	-----	---	---
PIFR (L/s)	-----	03.54	---	-----	---	---
FEF75-85 (L/s)	-----	01.26	---	-----	---	---
FEF.2-1.2 (L/s)	06.41	06.42	100	-----	---	---
FEF 25% (L/s)	07.74	06.95	090	-----	---	---
FEF 50% (L/s)	05.41	04.28	079	-----	---	---
FEF 75% (L/s)	02.43	01.84	076	-----	---	---
FEV.5/FVC (%)	-----	77.50	---	-----	---	---
FEV3/FVC (%)	97.01	100.00	103	-----	---	---
FET (Sec)	-----	02.13	---	-----	---	---
ExptTime (Sec)	-----	00.05	---	-----	---	---
Lung Age (Yrs)	047	049	104	-----	---	---
FEV6 (L)	03.35	-----	---	-----	---	---
FIF25% (L/s)	-----	01.84	---	-----	---	---
FIF50% (L/s)	-----	00.48	---	-----	---	---
FIF75% (L/s)	-----	02.20	---	-----	---	---



Pre Test COPD Severity  
 Test within normal limits

*Dr. Paras Jain*  
 MBBS, DMR  
 Regd. No.-3850  
 Apollo Diagnostic Centre  
 RAIPUR (C.G.)

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