

Salasar Steel And Power Ltd.

Village-Gerwani, Ambikapur Road, Raigarh-496 001 (C.G.)

Ph.No. (07762) 261520/521/523, Fax : (07762) 261524

SSPL/RGH/24-25/24

Date: 18.11.2024

To,

The Scientist ``C,``

Ministry of Environment, Forest & Climate Change,

Integrated Regional Office,

Aranya Bhawan, North Block, Sector-19,

Naya Raipur, Atal Nagar, Chhattisgarh-492002

E-mail: iroraipur@gmail.com

Subject : Submission of Six monthly compliance report for the period April 2024 to September 2024 of Environment Clearance issued to M/s Salasar Steel & Power Ltd. Village Gerwani, Raigarh (C.G.).

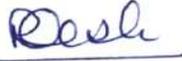
Dear Sir,

This is with reference to Environmental Clearance granted for M/s Salasar Steel & Power Ltd. Village Gerwani, Raigarh (C.G.) Please find enclosed half yearly compliance report for conditions stipulated in Environmental Clearance letter for the period April 2024 to September 2024.

Thanking you.

Yours faithfully,

For: **Salasar Steel & Power Ltd.**



(Rakesh Kesharwani)

HOD-EMD

Enclosures : A/a

CC: (1) The Member Secretary, CECB Raipur for his kind information please.
(2) The Regional Officer, CECB Raigarh for his kind information please.

Compliance to the conditions stipulated in the Environment Clearance issued vide letter no. **248/SEIAA-CG/EC/BPP/RGH/15**
Raipur dated 21st July 2010

S.No.	Condition	Compliance to the condition
I.	The proposed expansion would be taken up in the existing plant premises only. No additional land would be acquired for the proposed expansion for expansion project. The existing greenbelt would not be disturbed for expansion project. Total land for existing and the proposed expansion would be 68 acres.	Noted and Complied. <ul style="list-style-type: none">• Total land for existing and proposed units is 68.79 Acres.• No additional land is acquired for proposed expansion project.• We have installed 65 MW CFBC power plant & 3x10 MT Induction Furnace units of capacity 97000 TPA after obtaining the E.C. in existing premises of 68.79 acres without disturbing existing greenbelt area.
II.	The water requirement for the expansion project shall be met from Gerwani nallah and for this prior permission from Water Resources Department Government of Chhattisgarh shall be obtained. No ground water shall be used for the expansion project.	<ul style="list-style-type: none">• We have obtained prior permission from Water Resource Department, Government of Chhattisgarh for withdrawal of 3.65 MCM water from Gerwani Nallah vide letter no. 7105 Raipur dtd 30.11.2009. A copy is enclosed as ANNEXURE - 1.• We do here by confirm that no Ground water is being used for proposed expansion project.
III.	Project proponent shall provide adequate facility for proper treatment of industrial and domestic effluent. Project proponent shall provide effluent treatment plant before commissioning of the plant. All the effluent treatment system shall be kept in good running condition all the time and failure (if any), shall be immediately rectified without delay otherwise same alternate arrangement shall be made. Project proponent shall ensure the treated effluent quality within standard prescribed by Ministry of Environment & Forests, Government of India.	Adequate treatment facilities has been provided for treatment of Industrial & Domestic Effluent. The details are as follows: <ul style="list-style-type: none">i. For Domestic Effluent: Septic Tanks and Soak pits are provided for domestic effluent treatment. Any effluent remains after soak pits has utilized for horticulture purpose.ii. For Boiler Blow down: Boiler Blow down, coming from Boiler is alkaline in nature and neutralized in neutralization tank.iii. For Cooling Tower Blow down: The cooling tower Blow down is neutral in nature but contains high suspended solids to it has been passes through pressure sand filters and Transfer to final holding tank. All the Treated effluent is being used for ash conditioning & dust suppression as per requirement. This Treated Effluent (Industrial and Domestic) is fully reused inside the Plant premises; and No effluent is being discharged outside plant premises hence the Zero discharge condition as prescribed by the

		<p>Board is being maintained all the time.</p> <p>Effluent analysis is being carried out by M/s. Enviro Analysts & Eng. Pvt. Ltd. (An NABET accredited Lab / MoEF recognized lab) and report are being submitted to Regional Office, MoEF & CC and Regional Office, SPCB regularly.</p> <p>A copy of latest monitoring of effluent testing as ANNEXURE – 2.</p>
IV.	<p>Any liquid effluent what so ever generated from industrial activities shall not be discharged into the river or any surface water bodies under any circumstances, and it shall be reused wholly in the process/plantation. All the industrial effluent generated shall be re-circulated/reused after proper treatment. The un-treated/treated domestic effluent shall not be discharge into the river or any surface water bodies. The treated domestic effluent shall be used for plantation purpose after proper disinfections. Industry shall make proper arrangements of suitable drains/pipe networks to ensure adequate flow for utilization of treated effluent inside the premises. The concept of zero discharge shall be maintained. Arrangements shall be made that effluents and storm water do not get mixed.</p>	<p>Adequate treatment facilities has been provided for treatment of Industrial & Domestic Effluent. The details are as follows:</p> <p>i. For Domestic Effluent: Septic Tanks and Soak pits are provided for domestic effluent treatment. Any effluent remains after soak pits has utilized for horticulture purpose.</p> <p>ii. For Boiler Blow down: Boiler Blow down, coming from Boiler is alkaline in nature and neutralized in neutralization tank.</p> <p>iii. For Cooling Tower Blow down: The cooling tower Blow down is neutral in nature but contains high suspended solids to it has been passes through pressure sand filters and Transfer to final holding tank. All the Treated effluent is being used for ash conditioning & dust suppression as per requirement. This Treated Effluent (Industrial and Domestic) is fully reused inside the Plant premises; and No effluent is being discharged outside plant premises hence the Zero discharge condition as prescribed by the Board is being maintained all the time.</p> <p>A copy of latest monitoring of effluent testing as ANNEXURE – 2.</p>
V.	<p>Project proponent shall provide adequate measuring arrangements for the measurement of water utilized in different categories and effluent generated before commissioning of the plant.</p>	<p>Water meters for assessment of Water consumption have installed in the existing plant premises.</p>
VI.	<p>Closed cycle cooling system with cooling towers shall be provided. COC of at least 5 shall be adopted and the effluents shall be treated as per the prescribed norms. Minimum water drawl for makeup purposes shall be ensured.</p>	<ul style="list-style-type: none"> • There is no effluent discharge from the manufacturing process of Sponge Iron & Billets through Induction Furnace as closed-circuit cooling system has been adopted. • Effluent from Power Plant is being treated in Neutralization pit and same is being utilized for Ash conditioning, Dust Suppression &

		<p>Greenbelt development.</p> <ul style="list-style-type: none"> • COC of 5 is being maintained in the existing plant. 																										
<p>VII.</p>	<p>Project proponent shall provide adequate air pollution control arrangements at all point and non point sources. Electro Static Precipitator(s) having efficiency of not less than 99.9% (with maximum designed emission of particulate matter less than 50 mg/Nm³ in one field out condition) in the boiler. Collecting hoods with bag filters of adequate capacity and high efficiency shall be installed in induction furnaces with minimum 30 meter stack to ensure outlet dust (particulate matter) emission less than 50 mg/Nm³ all the time. Proper ventilation shall also be provided in the induction furnace unit. Suitable & effective air pollution control equipments(adequate dust extraction system such as cyclones/ bag filters etc.) for the control of emission from processes/ operations and for the control of emission during the handling & transportation of raw materials/coal, fly ash/bottom ash etc. shall be installed before commissioning of the plant. Project proponent shall install suitable & effective air pollution control equipments at all transfer points, junction points etc., also. All the conveying system, transfer point, junction point etc. shall be covered. Close conveying system with dust suppression mechanism shall be used for carrying the ash to the disposal areas. Adequate provision shall be made for sprinkling of water at strategic locations for ensuring fly ash does not get air borne. For controlling fugitive dust, regular sprinkling of water in coal handling and other vulnerable areas of the plant shall be ensured. The emission of pollutants from any point source shall not exceed the following limit: -</p> <table border="1" data-bbox="226 1010 1232 1093"> <tr> <td data-bbox="226 1010 620 1093">Particulate Matter</td> <td data-bbox="620 1010 1232 1093">50 mg/Nm³ (Fifty milligram per Normal Cubic Meter)</td> </tr> </table> <p>Project proponent shall provide proper space provision for further retrofitting of air pollution control systems in case of further stringent of particulate matter emission limit.</p>	Particulate Matter	50 mg/Nm ³ (Fifty milligram per Normal Cubic Meter)	<p>The following are the Air emission Control Systems provided in the existing units to achieve emission of particulate matter less than 50 mg/Nm³.</p> <table border="1" data-bbox="1281 429 2119 1177"> <thead> <tr> <th data-bbox="1281 429 1366 504">S. No</th> <th data-bbox="1366 429 1814 504">Name of Unit</th> <th data-bbox="1814 429 2119 504">Air emission Control System provided</th> </tr> </thead> <tbody> <tr> <td data-bbox="1281 504 1366 799" rowspan="4">1.</td> <td data-bbox="1366 504 1814 544">SpongeIron-2x100 TPD</td> <td data-bbox="1814 504 2119 544">ESP (2 nos.)</td> </tr> <tr> <td data-bbox="1366 544 1814 616">Raw Material Handling System for DRI Plant</td> <td data-bbox="1814 544 2119 616">Bag Filters & Sprinklers</td> </tr> <tr> <td data-bbox="1366 616 1814 687">Loading/Unloading of Raw Materials</td> <td data-bbox="1814 616 2119 687">Sprinklers</td> </tr> <tr> <td data-bbox="1366 687 1814 799">Product handlings during discharge, transfer, intermediate and product bins</td> <td data-bbox="1814 687 2119 799">Bag Filters</td> </tr> <tr> <td data-bbox="1281 799 1366 1066" rowspan="4">2.</td> <td data-bbox="1366 799 1814 839">Power Plant</td> <td data-bbox="1814 799 2119 839"></td> </tr> <tr> <td data-bbox="1366 839 1814 879">(a) 10.5 MW FBC</td> <td data-bbox="1814 839 2119 879">ESP</td> </tr> <tr> <td data-bbox="1366 879 1814 919">(b) 65 MW CFBC</td> <td data-bbox="1814 879 2119 919">ESP</td> </tr> <tr> <td data-bbox="1366 919 1814 991">(c) Loading/Unloading of Raw Materials</td> <td data-bbox="1814 919 2119 991">Sprinklers</td> </tr> <tr> <td data-bbox="1281 1066 1366 1177" rowspan="1">3.</td> <td data-bbox="1366 1066 1814 1177">Induction Furnace – 3x10 MT</td> <td data-bbox="1814 1066 2119 1177">Fume Extraction system with bag filters (1 no.)</td> </tr> </tbody> </table>	S. No	Name of Unit	Air emission Control System provided	1.	SpongeIron-2x100 TPD	ESP (2 nos.)	Raw Material Handling System for DRI Plant	Bag Filters & Sprinklers	Loading/Unloading of Raw Materials	Sprinklers	Product handlings during discharge, transfer, intermediate and product bins	Bag Filters	2.	Power Plant		(a) 10.5 MW FBC	ESP	(b) 65 MW CFBC	ESP	(c) Loading/Unloading of Raw Materials	Sprinklers	3.	Induction Furnace – 3x10 MT	Fume Extraction system with bag filters (1 no.)
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<p>VIII.</p>	<p>All air pollution control systems shall be kept in good running conditions all the time and failure (if any), shall be immediately rectified without delay otherwise some alternate arrangement shall be made. In the event of any failure of any pollution control system adopted by the industry, the respective production unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.</p>	<ul style="list-style-type: none"> • All the pollution control equipment's are maintained in good running conditions all the time. • Interlocking of pollution control equipment's and raw material feeding equipment's is implemented in such a way that if pollution control device stops the feeding equipment's will stops raw material feeding hence there will not be any emission. 																										

IX.	Regular monitoring of ground level concentration of SO ₂ , NO _x , SPM and RSPM shall be carried out in the impact Zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with CECB Raipur. Periodic reports shall be submitted to SEIAA Chhattisgarh and the Regional Office Bhopal, of Ministry of Environment & Forests, Government of India.	<ul style="list-style-type: none"> Regular monitoring of ground level concentration of SO₂, NO_x, SPM and RSPM has been carried out in the impact Zone and records maintained. Periodic monitoring of air quality is being carried out by M/s. Enviro Analysts & Eng. Pvt. Ltd. (An NABET accredited Lab/MoEF recognized lab) and report are being submitted to Regional Office of MoEF & CC and Regional Office of SPCB regularly. Air Quality report is enclosed as ANNEXURE- 3.
X.	Project proponent shall provide a stack of 95 meters height for adequate dispersal of gaseous pollutants emitted from boilers with continuous online monitoring instrument for SO _x , NO _x , and Particulate Matter. Exit velocity of flue gases shall not be less than 16m/sec for adequate dispersal of gaseous pollutants. Continuous record of exit velocity shall also be maintained and submitted to the SEIAA, CG and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal on a yearly basis. The height of other stack(s) shall not be less than 30 meters.	<p>Height of Stack attached to the units are as under</p> <ol style="list-style-type: none"> Sponge Iron Kilns(2x100 TP) – 55 meters 1x8 MW AFBC Power Plant - 60 meters 1x65 MW CFBC Power Plant - 96 meters Induction Furnace(3x10 MT) – 30 meters <p>Height of other stacks is not less than 30 meters.</p> <ul style="list-style-type: none"> Height of all the stacks is calculated in the bases of Sulphur dioxide emission from the respective units [$H=14(Q)^{0.3}$ (where Q is emission rate of SO₂ in Kg/Hr., and H is Stack height in meters)] We have already installed continuous emission monitoring system inits stack and connected to CPCB online servers. Stack monitoring is being carried out regularly M/s. Enviro Analysts & Eng. Pvt. Ltd. (An NABET accredited Lab / MoEF recognized lab) and monitoring reports are being submitted regularly to Regional Office of MoEF & CC and Regional Office of SPCB. Stack monitoring report is enclosed as ANNEXURE- 4.
XI.	All the raw materials and solid waste (fly ash) shall be transported in covered vehicles.	All raw materials & solid waste (fly ash) is being by transported to the site by road through covered trucks only. Photographs showing the same is enclosed as ANNEXURE- 5 .
XII.	Adequate number of permanent ambient air quality monitoring stations (not less than four) in the core zone as well as buffer zone for SPM, RPM, CO, NO _x and SO ₂ shall be set-up in the down wind direction as well as where maximum ground level concentrations are anticipated in consultation with the Chhattisgarh Environment Conservation Board. Monitoring net-work shall be designed taking into account the environmentally and ecologically sensitive targets, land use pattern, location of the stacks, meteorological conditions and topographic features including existing ambient	<ul style="list-style-type: none"> We have already installed Continuous ambient air quality monitoring station in our plant for the monitoring of SPM, RPM, CO, NO_x and SO₂. Ambient Air Quality (AAQ) monitoring is being carried out at 04 locations by M/s. Enviro Analysts & Eng. Pvt. Ltd. (An NABET accredited Lab / MoEF recognized lab) and reports are being submitted to Regional Office, CECB & Regional Office, MoEF&CC.

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	air quality data. The data so collected shall be properly analyzed and submitted to the SEIAA, CG and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal in every six months.	Kindly refer to ANNEXURE – 3 for AAQ monitoring report.
XIII.	Space provision for installation of flue gas de- sulphurization plant (FGD) shall be made so that the same could be installed, if required from environmental angle. Due to commissioning of the power generation units, if 98 percentile values for SO ₂ (based on actual monitored field data) in the ambient air of nearby areas exceed the prescribed permissible limit for respective sensitive areas, rural, residential and other areas; project proponent shall install flue gas desulphurization units immediately without any delay.	Noted and agreed.
XIV.	Project proponent shall install separate electric metering arrangements with time totalizer for the running of pollution control devices. These arrangements shall be made in such a fashion that any non-functioning of pollution control device/devices shall immediately stop the electric supply to the fuel supply system and shall remain tripped till the pollution control device/devices are made functional again/rectified to achieve the desired efficiency.	<ul style="list-style-type: none">• Separate electric meters for assessment of electricity consumption for the running of pollution control devices has already been installed with time totaliser facility.• Interlocking facility to the pollution control equipments and raw material feeding equipments is provided in such a way that if pollution control device stops the feeding equipments will stop raw material feeding hence there will not be any emission.
XV.	Project proponent shall incorporate total ash utilization as integral part of the project. Project proponent shall install dry fly ash extraction system so that ash generated during the power generation, collected in dry form and it shall be utilized 100% for other beneficial uses such as brick/block/products making, road construction, cement making, abandoned mines filling and low lying area filling, etc. as per guidelines/notification of Ministry of Environment and Forests, Government of India/Central Government/Central Pollution Control Board. Project proponent shall provided silos of adequate capacity with pneumatic/automatic arrangement of dry fly ash withdrawal to avoid dust emissions for dry collection and withdrawal of fly ash generated to facilitate the use of fly ash for different beneficial purposes such as brick/block/products making, road construction, cement making, etc. Project proponent shall also use fly ash/bottom ash/pond ash based products for the construction activities.	Industry is utilizing 100% Fly ash in Fly Ash Bricks/Block Manufacturing and filling Low Laying Area/Abandoned Mine as per guidelines/notification of Ministry of Environment and Forests, Government of India/Central Government/Central Pollution Control Board. We have also provided 03 silos of adequate capacity with pneumatic/automatic arrangement of dry fly ash withdrawal to avoid dust emissions.
XVI.	Project proponent shall install fly ash brick/block/products-manufacturing machine of adequate capacity before start of construction activities of super structure of 65 megawatt units. Project proponent shall utilize the fly ash bricks/blocks etc. manufactured by own fly ash brick/block manufacturing machine in its construction	We have installed fly ash bricks machine of capacity 24000 nos./day and 75000 nos./day in factory premises for utilization of fly ash generated from Power Plant. Photographs showing the same is enclosed as ANNEXURE- 6 .

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	activities. Project proponent shall install fly ash brick/block/products-manufacturing machine of adequate capacity before commissioning of the power plant.	
XVII.	Project proponent shall follow the guidelines, notification etc. for utilization of fly ash/bottom ash issued by Ministry of Environment and Forests, Government of India/Central Government/Central Pollution Control Board from time to time .100% fly ash utilization shall be achieved in accordance with the notification on fly ash utilization SO 763 (E) dated 14/09/1999 and the amendments made therein from time to time. Industry shall abide by the decisions taken by Ministry of Environment and Forests, Government of India/Central Government/ Central Pollution Control Board from time to time regarding use of fly ash/bottom.	Agreed & complied. Industry is utilizing 100% Fly ash in Fly Ash Bricks/Block manufacturing and filling low laying Area/Abandoned Mine as per guidelines/notification of Ministry of Environment and Forests, Government of India/Central Government/Central Pollution Control Board.
XVIII.	All the slag shall be used for road making only after passing through toxic chemical leach ability potential (TCLP) test. Otherwise toxic substances shall be recovered from the slag and output waste disposed in secured landfill as per CPCB guidelines.	Noted and agreed. <ul style="list-style-type: none"> We are using Induction furnace slag in road construction/land filling after metal recovery. A TCLP test report of slag is enclosed as ANNEXURE -7.
XIX.	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Noted& complied. Solid waste management plan is maintained as given below: <ol style="list-style-type: none"> 1. Fly Ash from Power Plant is used in own brick manufacturing as well as given to other brick manufacturers and filling low laying Area/Abandoned Mine. 2. Dolo Char is Used in FBC boiler as fuel. 3. Wet scrapper sludge is used in brick manufacturing. 4. Kiln Accretion slag is used in road construction inside the plant premises. 5. Induction furnace slag in road construction/land filling after metal recovery.
XX.	All the internal roads shall be made pucca before commissioning of the power plant. Good housekeeping practices shall be adopted by the project proponent.	Agreed &being complied. All the internal Roads are Pucca. We are maintaining good housekeeping condition in operational plant always. Photographs showing the same is enclosed as ANNEXURE- 8.
XXI.	Project proponent shall take proper action to control the noise pollution. Project proponent shall install appropriate noise barriers/control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation to control the noise. Earplugs/ear muffs etc. shall be provided to the employee working in the area of generator halls and other high noise areas. Leq of /noise levels emanating from	Agreed & complied. All the heavy noise generating equipments viz. Boiler, Turbo-generator etc. are facilitated with noise enclosure/acoustic hoods. All the employees working in heavy noise area are provided with Ear Plugs etc.

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	turbines shall be limited to 75 dBA. The noise level shall not exceed the limits 75 dB (A) during the daytime and 70 dB (A) during the nighttime within the factory premises. Project proponent shall take adequate measures for control of noise level below 85 dB (A) in the work environment. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/ less noisy areas.																	
XXII.	Project proponent shall provide appropriate arrangements to avoid air pollution, water pollution, noise pollution etc. during construction phase and during transportation of plants/machineries/equipments/ construction materials etc. to the site for 65 megawatt units. For controlling fugitive dust during transportation and construction works, regular sprinkling of water in village roads and other vulnerable areas of the plant shall also be ensured The emission from vehicles engaged for transportation of plants/machineries/ equipments/construction materials etc. to the site shall be ensured within prescribed vehicle emission norms. First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Agreed & complied. For control of fugitive emission following measures are adopted: a. All the internal Roads are Pacca. b. All the conveyors are covered through GI sheets. c. Water sprinklers are installed at internal roads. d. 02 nos. of Water Tankers are engaged in water sprinkling.																
XXIII.	The construction of effluent treatment plant and installation of air pollution control equipments shall be taken up simultaneously with other civil/mechanical works of 65 megawatt units. The progress of the activities related to the project shall be submitted periodically to SEIAA, CG and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.	Noted and complied. ETP is provided for treatment of effluent from Power Plant. Air Pollution control equipment's provided: <table border="1" data-bbox="1279 938 2107 1305"> <thead> <tr> <th>S. No.</th> <th>Name of Unit</th> <th>Air emission Control System provided</th> </tr> </thead> <tbody> <tr> <td rowspan="3">1.</td> <td>Power Plants</td> <td></td> </tr> <tr> <td>(a) 65 MW CFBC</td> <td>ESP</td> </tr> <tr> <td>(b) Raw Material Handling Plant</td> <td>Bag Filter</td> </tr> <tr> <td></td> <td>(c) Loading/Unloading of Raw Materials</td> <td>Sprinklers</td> </tr> <tr> <td>2.</td> <td>Induction Furnace – 3x10 MT</td> <td>Fume Extraction system with bag filters (1 no.)</td> </tr> </tbody> </table>	S. No.	Name of Unit	Air emission Control System provided	1.	Power Plants		(a) 65 MW CFBC	ESP	(b) Raw Material Handling Plant	Bag Filter		(c) Loading/Unloading of Raw Materials	Sprinklers	2.	Induction Furnace – 3x10 MT	Fume Extraction system with bag filters (1 no.)
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XXIV.	Project proponent shall provide adequate number of influent and effluent quality monitoring stations/points in consultation with Chhattisgarh Environment Conservation Board. Regular monitoring shall be carried out for relevant parameters. Regular monitoring of surface and ground water quality including heavy metals shall be undertaken around the project area to ascertain the change in the water quality, if any, due to leaching of contaminants from disposal area/project area. Result and data collected shall be analyzed to ascertain the status of water quality and findings shall be submitted. Continuous monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations at the proponent's cost in and around project area in consultation with Regional Director, CGWB, Central Region, Bhopal.	Noted & being complied. <ul style="list-style-type: none"> • Treated Effluent (Industrial and Domestic) is fully reused inside the Plant premises; and No effluent is being discharged outside plant premises hence the Zero discharge condition as prescribed by the Board is being maintained all the time. • Effluent analysis is being carried out by M/s. Enviro Analysts & Eng. Pvt. Ltd. (An NABET accredited Lab • /MoEF recognized lab) and report are being submitted to Regional Office, MoEF & CC and Regional Office, SPCB regularly. Kindly refer to ANNEXURE -2 for Effluent analysis report. • Piezometer has been installed to monitor ground water level. Photograph of piezometer is enclosed as ANNEXURE- 9.
XXV.	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in fuel yard, especially during summer season. Copy of the these measures with full details along with location plant layout shall be submitted to SEIAA, CG and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.	Agreed & complied. <ul style="list-style-type: none"> • Proper arrangements have been provided to protect fire emergency. A dedicated pipe line and a water tanker has been provided for the same. • The detailed plant layout showing these facilities is enclosed as ANNEXURE -10.
XXVI.	Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS shall be made in the plant area where risk is minimum to the storage facilities. Disaster Management plan shall be prepared to meet any eventuality in case of an accident taking place. Mock drills shall be conducted regularly and based on the same, modifications required, if any shall be incorporated in the DMP.	Agreed & complied. Storage facilities for auxiliary liquid fuel such as LDO/LSHS has been provided with safety measures in the plant. A photograph is enclosed as ANNEXURE -11 .
XXVII.	At-least 15 meter wide green belt shall be developed all along the boundary of the plant premises. As far as possible maximum area of open spaces shall be utilized for plantation purposes. Project proponent shall abide by the decisions taken by Ministry of Environment and Forests, Government of India/ Central Pollution Control Board from time to time in this regard. Tree density of 1500— 2000 trees per hectare with local broad leaf species should be maintained. At least 23 acres (about one third of the total plant area) shall be used for green belt development.	Agreed & complied. <ul style="list-style-type: none"> • We are maintaining good greenery over an area of 23 Acres which is 1/3rd of total available land. • As on date we have planted about 25000 nos. of trees and shrubs within premises. The Green Belt is helpful in the mitigation of Air pollution generated by the process i.e. this will minimize the ultimate adverse effect of dust & noise pollution. A third party Plantation verification report is enclosed as ANNEXURE -12 & Photographs showing the same is enclosed as ANNEXURE - 13.
XXVIII.	Project proponent shall provide garland drains with appropriate check dams all along the fuel, dust / ash storage areas etc. to avoid any possibility of erosion (wearing	Agreed & complied. Garland drains has been provided with check dam in various areas

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	<p>away) during rain. Garland drain (size, gradient & length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the project site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains. Project proponent shall provide adequate collection and treatment arrangement for proper management of storm water. The surface runoff shall be de-silted through a series of check dams and drains.</p>	<p>including raw material shed/ash storage area etc. to avoid any possibility of erosion during rain. A photograph is enclosed as ANNEXURE -14.</p>
XXIX.	<p>Project proponent shall adopt rainwater-harvesting technique in the project area and residential area for recharge of ground water. The rainwater-harvesting technique shall be incorporated right from the design stage of all structures. Project proponent shall develop rainwater-harvesting structures to harvest the rainwater for utilization in the lean season as well as to recharge the ground water table. A detailed scheme for rainwater harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground Water Authority/State Ground Water Board. A copy of the same shall be submitted within three months to the SEIAA, CG and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal. No ground water shall be used for any purpose.</p>	<p>Agreed & complied. Rain water harvesting technique is already implemented within plant premises so as to recharge Ground Water Table. 02 Rain water harvesting pond and 06 nos. recharge pits has been provided for this purpose. A photograph is enclosed as ANNEXURE -15.</p>
XXX.	<p>Project proponent shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who will directly report to the head of organization. A full-fledged laboratory with qualified technical/scientific staffs to monitor the influent, effluent, ground water, surface water, soil, stack emission and ambient air quality etc. shall be provided.</p>	<p>Agreed & complied. Environment Management Cell has been established for works related to environment monitoring. Mr. Rakesh Kesharwani is the head of the environment cell & he will report directly to the Managing Director / Board of Directors.</p>
XXXI.	<p>Adequate funds shall be allocated for undertaking CSR activities (community welfare, environmental development activities apart from committed plantation) and in any case it shall not be less than 35.0 lacs per year with 10% annual increase in subsequent years. Details of activities shall also be submitted to SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.</p>	<p>Noted and agreed. We have done CSR work with consultation with local village governing body and District Govt. Administration. Necessary funds have been allocated for this purpose.</p>

XXXII.	As proposed Rs.15.5 Crores and Rs.2.5 Crores/annum shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests, as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhopal. The funds so provided should not be diverted for any other purpose.	Noted and agreed. We have earmarked Rs.15.5 Crores and Rs.2.5 Crores/annum towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests, as well as the State Government. Details will be submitted at the end of every year regularly.										
XXXIII.	The project proponent shall also comply with all the environment protection measures and safeguards recommended in the EIA/EMP report.	Agreed & complied. As described in the EIA / EMP report all the Environmental Protection measures implemented in the project.										
XXXIV.	The issuance of this environmental clearance does not convey any property rights in either real or personal property, or any exclusive privileges, nor does not authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local laws or regulations.	Noted and agreed.										
XXXV.	All the recommendations made in the charter on corporate responsibility for Environment protection (CREP) for the power plant and steel plant shall be implemented.	<p>Agreed & complied. Pollution control system in the steel plant as per the CREP Guidelines of CPCB has been provided.</p> <table border="1" data-bbox="1279 839 2130 1453"> <thead> <tr> <th data-bbox="1279 839 1375 879">S.No.</th> <th data-bbox="1375 839 1749 879">CREP recommendation</th> <th data-bbox="1749 839 2130 879">Compliance</th> </tr> </thead> <tbody> <tr> <td data-bbox="1279 879 1375 1094">1</td> <td data-bbox="1375 879 1749 1094">New/expansion power projects to be accorded environmental clearance on or after 14.1.2003 shall meet the limit of 100 mg/Nm³ for particulate matter.</td> <td data-bbox="1749 879 2130 1094">Electro Static Precipitator (ESP) has been provided to bring down the PM to 50 mg/Nm³ for DRI Kiln and Power plant.</td> </tr> <tr> <td data-bbox="1279 1094 1375 1453">2</td> <td data-bbox="1375 1094 1749 1453">New plants shall adopt dry fly ash extraction or dry disposal system or Medium (35-40%) ash concentration slurry disposal system or Lean phase with hundred percent ash water recirculation system depending upon site specific environmental situation.</td> <td data-bbox="1749 1094 2130 1453">Dry Fly ash extraction system with Ash Silo has been provided and the fly ash is being given to the brick manufacturing units/ other end users. Bed Ash has also handled by Dense Phase System and independently stored, crushed and given to the brick manufacturers</td> </tr> </tbody> </table>		S.No.	CREP recommendation	Compliance	1	New/expansion power projects to be accorded environmental clearance on or after 14.1.2003 shall meet the limit of 100 mg/Nm ³ for particulate matter.	Electro Static Precipitator (ESP) has been provided to bring down the PM to 50 mg/Nm ³ for DRI Kiln and Power plant.	2	New plants shall adopt dry fly ash extraction or dry disposal system or Medium (35-40%) ash concentration slurry disposal system or Lean phase with hundred percent ash water recirculation system depending upon site specific environmental situation.	Dry Fly ash extraction system with Ash Silo has been provided and the fly ash is being given to the brick manufacturing units/ other end users. Bed Ash has also handled by Dense Phase System and independently stored, crushed and given to the brick manufacturers
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(Expansion of Steel Plant)

Village: Gerwani, Tehsil: Raigarh,
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			/other end users.
		3	Install opacity meters / continuous monitoring system. Online stack monitor has been provided to all stack to monitor PM continuously.
		4	New plants shall promote adoption of clean coal and clean power generation technologies Installed FBC/CFBC boilers has emit lesser SO ₂ and NOx emissions.
XXXVI.	No further expansion or modification in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	Noted & agreed.	
XXXVII.	SEIAA, Chhattisgarh reserves the right to amend/cancel any of the conditions and add new conditions and further stringent the emission/effluent limit as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.	Noted & agreed.	
XXXVIII	The ministry may revoke or suspend the clearance if implementation if any of the above conditions is not found satisfactory.	Noted & agreed.	
XXXIX.	To ensure the generation of employment in the local areas, recruitment shall be done by inviting applications first from the local residents of the Chhattisgarh State. In case of non-availability of suitable candidates for certain post in the first attempt, the project proponent may call the applications as second call, not only from local residents of the Chhattisgarh State but also from other State.	Noted & agreed. Employment given to local residents/ residents of the Chhattisgarh State on priority basis. The details of employment is enclosed as ANNEXURE –16 .	
XL.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crutch etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Noted & agreed.	
XLI.	Occupational Health Surveillance of the workers should be done on a regular O basis and records maintained as per the factories Act and records shall be maintained properly for at-least 30-40 years.	Agreed & complied. Occupational health surveillance of the workers is being done on a regular basis and records are being maintained as per the Factories Act.A copy of Health record of the worker is enclosed as ANNEXURE – 17 & Photographs showing the Occupational Health Center is enclosed as ANNEXURE- 18 .	
XLII.	The project proponent shall advertise in at least two local newspapers widely	Agreed & complied.	

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	circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Chhattisgarh Environment Conservation Board and may also be seen at Website of the Ministry of Environment and Forests at www.envfor.nic.in and website of SEIAA, Chhattisgarh at www.seiaacg.org .	Copy of news paper cuttings are enclosed as ANNEXURE -19 .
XLIII.	A copy of the clearance letter shall be marked to concerned panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal,	Agreed & complied.
XLIV.	Half yearly report on the status of implementation of the stipulated conditions, monitoring data along with statistical interpretation and environment safeguards shall be submitted to the Chhattisgarh Environment Conservation Board, Raipur, Regional Office, Chhattisgarh Environment Conservation Board, Raigarh, SEIAA, Chhattisgarh and Regional Office, Ministry of Environment & Forests, Government of India, Bhopal.	Agreed & complied.
XLV.	Regional Office of the Ministry of Environment and Forests at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.	Noted & agreed.
XLVI.	Full cooperation shall be extended to the Scientists/Officers from the SEIAA, Chhattisgarh, Ministry of Environment & Forests, Government of India/Regional Office, Ministry of Environment & Forests, Government of India, Bhopal/the CPCB/the Chhattisgarh Environment Conservation Board, who would be monitoring the compliance of environment status.	Noted & agreed.
XLVII.	The environment clearance accorded shall be valid for a period of 5 years to start of production operations by the plant.	Noted & agreed.
XLVIII.	In case of any deviation or alteration in the proposed project from those submitted to this SEIAA, Chhattisgarh for clearance, a fresh reference should be made to the SEIAA, Chhattisgarh to assess the adequacy of the condition(s) imposed and to add additional environment protection measures required, if any. No change in technology, scope of work and further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests, Government of	Noted & agreed.

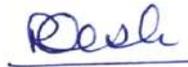
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	India/SEIAA, Chhattisgarh. No change in the calendar plan for washing the quantum of mineral coal and waste produced shall be made.	
XLIX.	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the State Government.	Noted & agreed.
L.	The project authorities shall inform the Regional Office, Ministry of Environment & Forests, Government of India, Bhopal and SEIAA, Chhattisgarh date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	Noted & agreed.
LI	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 and the public liability insurance Act, 1991 along with their amendments and Rules. The proponent shall ensure to provide for the costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water, and occupational and other diseases due to the mining operations.	Noted & agreed.
LII	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.	Noted & agreed.

For, Salasar Steel & Power Limited



(Rakesh Kesharwani)
Authorized Signatory

44-7/8

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छत्तीसगढ़ शासन,
जल संसाधन विभाग,
मंत्रालय,
दारु कल्याण सिंह भवन, रायपुर,

पु. क्र. 7105/एफ 4-76/31/एस-2/औजप्र/07, रायपुर दिनांक 30/11/2009
प्रति,

मुख्य अभियंता,
हसदेव कछार,
बिलासपुर (छ.ग.)

विषय:- मेसर्स सालासार स्टील एण्ड पॉवर लि., रायपुर द्वारा रायगढ़ जिले में प्रस्तावित 65 मेगावाट केप्टिव पॉवर प्लांट हेतु केलो नदी के सहायक गेरवानी नाला से 3.65 मि.घ. मी. वार्षिक जल आबंटन/प्रदाय की स्वीकृति।

संदर्भ:- 1. शासन का पत्र क्रमांक-5645-5646/7/जसं./तशा/औजप्र/01/डी-4, दि. 05.10.09.
2. कार्यपालन अभियंता, जल संसाधन संभाग, रायगढ़ का पत्र क्र.-4592-4593 /व.ले.लि./09, रायगढ़ दिनांक 30.10.2009. 33

उपरोक्त विषयांतर्गत प्रकरण में राज्य जल संसाधन उपयोग समिति, छत्तीसगढ़ की 27वीं बैठक, दिनांक 16.09.2009 में लिये गये निर्णयानुसार एवम् संस्थान द्वारा कमिटमेंट चार्जस रू. 0.9125 लाख का भुगतान जल संसाधन विभाग को किये जाने के तारतम्य में मेसर्स सालासार स्टील एण्ड पॉवर लि., रायपुर (संस्थान) द्वारा जिला एवं ब्लाक-रायगढ़, ग्राम-गेरवानी के समीप प्रस्तावित 65 मेगावाट केप्टिव पॉवर प्लांट हेतु केलो नदी के सहायक गेरवानी नाला से वांछित 3.65 मिलियन घन मीटर वार्षिक जल, गेरवानी नाला में जल संग्रहण हेतु प्रस्तावित जल संरचना (शिवपुरी एनीकट), जिसका निर्माण संस्थान द्वारा व्यय स्वरूप अग्रिम जल-कर की जमा की जाने वाली राशि से जल संसाधन विभाग द्वारा किया जायेगा, से आबंटित/प्रदाय करने की स्वीकृति निम्नलिखित शर्तों के साथ प्रदान की जाती है:-

1. संस्थान, गेरवानी नाला में प्रस्तावित जल संरचना की सर्वेक्षण लागत वहन करेगा। संस्थान, जल संरचना के निर्माण कार्य की संपूर्ण लागत अग्रिम जल-कर के रूप में जमा करेगा, यह राशि संस्थान द्वारा शासकीय स्रोत हेतु निर्धारित जल-कर के अनुसार देय जल-कर की राशि में समायोजित की जा सकेगी। सर्वेक्षण/निर्माण कार्य जल संसाधन विभाग द्वारा किया जायेगा एवं जल संरचना का स्वामित्व जल संसाधन विभाग के पास रहेगा। संस्थान, गेरवानी नाला में प्रस्तावित जल संरचना के निर्धारित स्थल से अपने संयंत्र स्थल तक जल ले जाने हेतु आवश्यक व्यवस्था (इंटेकवेल/पंप हाउस का निर्माण, पाईप लाईन बिछाना आदि) ज.सं. विभाग के अनुमोदन उपरांत स्वयं के व्यय पर करेगा। इसके साथ ही संस्थान को कम से कम 30 दिनों की जल आवश्यकता के अनुरूप जल संग्रहण हेतु अपने संयंत्र परिक्षेत्र में बेलेन्सिंग रिजर्वायर (तालाब) का निर्माण अनिवार्य रूप से करना होगा।

मु. अ.

जल संसा.

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"जल संरक्षण-जीवन संरक्षण" "ऊर्जा की बचत ही ऊर्जा का उत्पादन है"

Salasar Steel & Power Ltd.

A. Murali

12/11/2012

Executive Engineer
Water Resources Division
RAIPUR (C.G.)

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3. प्रकरण में प्रदायित जल की मात्रा के माप हेतु इंटेकवेल (पंप हाउस) में मानक जल मापन यंत्र की स्थापना संस्थान को स्वयं के व्यय पर करनी होगी, जिसकी समय-समय पर विभाग द्वारा जांच की जा सकेगी।
4. प्रकरण में प्रस्तावित जल संरचना में डूबान तथा जल ले जाने हेतु पाईप लाईन बिछाने के लिए भू-अर्जन एवं संबंधित जो भी समस्या आयेगी उसका निराकरण संस्थान स्वयं के व्यय पर स्वयं करेगा। इसके साथ ही छ.ग. राज्य की आदर्श पुनर्वास नीति-2007 (यथा संशोधित) का पालन अनिवार्य होगा।
5. संस्थान द्वारा वास्तविक जल आहरण के आधार पर स्वीकृत जल-मात्रा का आंकलन एवं समीक्षा समय-समय पर शासन द्वारा की जा सकेगी।
6. गेरवानी नाला में जल संग्रहण/आहरण के प्रस्तावित स्थल के ऊपर एवं नीचे जल उपयोग हेतु जल संसाधन विभाग स्वतंत्र होगा एवं निर्मित की जाने वाली जल संरचना में, संस्थान द्वारा वांछित जल के अतिरिक्त जल के उपलब्ध होने पर उसके उपयोग हेतु भी जल संसाधन विभाग स्वतंत्र होगा।
7. संस्थान, स्थानीय लोगों के जल उपयोग जैसे पेयजल एवं निस्तार आदि हितों पर किसी प्रकार का प्रतिकूल प्रभाव नहीं डालेगा एवं इस हेतु आवश्यक जल की मात्रा जल संरचना में हमेशा सुरक्षित रखी जायेगी।
8. संस्थान, उपयोग के पश्चात अपने संयंत्र से निस्सारित जल का रि-साइकलिंग करके इसका उपयोग करेगा एवं छत्तीसगढ़ पर्यावरण संरक्षण मंडल द्वारा निर्धारित मानकों एवं नियमों के अनुसार उपचार कर निस्सारित करेगा, ताकि क्षेत्र में जल प्रदूषण की कोई समस्या उत्पन्न न हो।
9. संस्थान को जल का उपयोग प्रारंभ करने के पूर्व विभाग के निर्धारित प्ररूप-7(क) में मुख्य अभियंता, हसदेव कछार, जल संसाधन विभाग, बिलासपुर के निर्देशानुसार/अनुमोदन उपरांत अनुबंध करना अनिवार्य होगा।
10. संस्थान को शासन द्वारा शासकीय स्रोत से औद्योगिक जल उपयोग हेतु समय-समय पर निर्धारित जल-दर पर जल कर एवं कमिटमेंट चार्जस का नियमानुसार भुगतान जल संसाधन विभाग को अनिवार्य रूप से करना होगा एवं कमिटमेंट चार्जस के संबंध में शासन द्वारा जारी परिपत्र दिनांक 20.04.2007 का पालन संस्थान के लिए बंधनकारी होगा।
11. प्रकरण में जल प्रदाय की यह स्वीकृति वर्तमान में उपलब्ध आंकड़ों/परिस्थितियों पर आधारित है। भविष्य में किसी कारणवश नदी के जल प्रवाह/जल संरचना के जल संग्रहण में कमी होने पर शासन इसके लिए जवाबदेह नहीं रहेगा एवं इस संबंध में शासन के विरुद्ध किसी प्रकार का दावा मान्य योग्य नहीं होगा।

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12. शासन द्वारा कमिटमेंट चार्जेस के संबंध में जारी परिपत्र दिनांक 20.04.2007 के अनुसार संस्थान को इस स्वीकृति पत्र के जारी होने के दिनांक से 02 वर्षों के अंदर जल का उपयोग प्रारंभ करना होगा। इस अवधि के दौरान संस्थान द्वारा यदि जल का उपयोग प्रारंभ नहीं किया जाता है तो उपयोग प्रारंभ करने की समय-सीमा अधिकतम 2 वर्ष की अवधि के लिए और बढ़ाई जा सकेगी एवं इस हेतु प्रथम वर्ष में आबंटित/आरक्षित जल की संपूर्ण मात्रा के 5% अंश एवं दूसरे वर्ष में 10% अंश की जल-कर राशि अतिरिक्त कमिटमेंट चार्जेस के रूप में संबंधित वर्ष की समाप्ति के पश्चात 3 माह के अंदर जमा करनी होगी। अतिरिक्त कमिटमेंट चार्जेस की निर्धारित अधिकतम 2 वर्ष की समय-सीमा के अनुसार भुगतान करने के पश्चात भी यदि संस्थान द्वारा जल का उपयोग प्रारंभ नहीं किया जाता है एवं उपरोक्तानुसार निर्धारित समस्त शर्तों का पालन नहीं किया जाता है तो तत्काल प्रभाव से जल आबंटन/आरक्षण स्वमेव समाप्त माना जायेगा एवं शासन को इस जल को अन्य किसी के उपयोग हेतु आबंटित/आरक्षित करने की स्वतंत्रता होगी।

सहपत्र :- शून्य


 30/11/2012

(सी.के. खेतान)

सचिव,

जल संसाधन विभाग,

मंत्रालय, रायपुर

For, Salasar Steel & Power Ltd.

R. Nanda
 12/10/2012
 Authorised Signatory

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पृ. क्र...../एफ 4-76/31/एस-2/औजप्र/07, रायपुर दिनांक /11/2009

प्रतिलिपि:-

1. प्रमुख अभियंता, जल संसाधन विभाग, रायपुर को संदर्भित पत्रों के परिप्रेक्ष्य में सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
2. अधीक्षण अभियंता, जल संसाधन मण्डल, रायगढ़ एवं
3. कार्यपालन अभियंता, जल संसाधन विभाग, रायगढ़ (छ.ग.),

को संदर्भित पत्र क्र.-2 के परिप्रेक्ष्य में सूचनार्थ एवं शीघ्र आवश्यक कार्यवाही हेतु अग्रेषित।

4. सहायक संचालक, राज्य निवेश प्रोत्साहन बोर्ड, मंत्रालय के पास (रेणुका द्वार), शास्त्री चौक, रायपुर को उनके पत्र क्रमांक-168/एसआईपीबी/2007/1194, दिनांक 16.11.2007 के संदर्भ में सूचनार्थ अग्रेषित।
5. प्रबंध संचालक, सालासार स्टील एण्ड पावर लि., प्रथम तल, भाटिया काम्प्लेक्स, राजकुमार कॉलेज, जी.ई. रोड, रायपुर (छ.ग.) को उनके पत्र क्र.-SSPL/WATER/2009/1, दिनांक 08.07.2009 के संदर्भ में सूचनार्थ एवं शीघ्र आवश्यक कार्यवाही हेतु अग्रेषित।

सहपत्र :- शून्य

विशेष कर्तव्यस्थ अधिकारी
जल संसाधन विभाग,
मंत्रालय, रायपुर

कार्यालय मुख्य अभियंता
हसदेव कछार जल संसाधन विभाग
बिलासपुर (छ.ग.)

क्र. 111/का/डी-8/बिलासपुर-1 दिनांक 8-12-2009
प्रतिलिपि

1. प्रमुख अभियंता, जल संसाधन विभाग, रायपुर,
2. कार्यपालन अभियंता, जल संसाधन विभाग, रायगढ़
3. कार्यपालन अभियंता, जल संसाधन विभाग, रायगढ़ (छ.ग.) को सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित। शेषित कार्य हेतु सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित किया गया सुनिश्चित करें।

Nagar Steel & Power Ltd.

"जल संरक्षण-जीवन संरक्षण" "ऊर्जा की बचत ही ऊर्जा का उत्पादन है"

A. M. M. M.

12/10/2012

Authorised Signatory

Executive Engineer

Water Resources Division

मुख्य अभियंता
हसदेव कछार जल संसाधन विभाग
बिलासपुर (छ.ग.)

TEST REPORT

WATER QUALITY REPORT			
Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		ULR No.:TC111112400000927F Dispatch No: 300924203 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Type of Sample	: Waste Water	Date of Collection	: 30/09/2024
Description of the Sample	: DM Plant Effluent	Date of Receipt	: 30/09/2024
Location of Sample	: Neutralization Pit DM Plant	Period of Testing	: 30/09/2024 to 08/10/2024
Qty	: 2 x 3 litre	Method of sampling	: -
Sample Condition at Receipt	: Sealed	Sample tested as received	: OK
Sample Discipline	: Chemical Testing	Sample ID	: GLPL0924WW927
Environmental Condition	: Ambient	Sample collected by	: Client Representative
Other information (If any)	: -		

LOCATION OF SAMPLE - NEUTRALIZATION PIT DM PLANT

S. No.	Parameters	Unit	Method	Result	Limits as per CPCB for Discharge of Effluents	
					Inland surface Water	Public Sewer
1.	pH	pH	IS 3025 (Part 11)	7.28	5.5-9.0	5.5-9.0
2.	Total Suspended Solid	mg/L	IS 3025 (Part 17)	18.00	100	600
3.	COD	mg/L	IS 3025 (Part 58)	45.00	250	—
4.	BOD	mg/L	IS:3025 (Part 44)	6.52	30	350
5.	Oil & Grease	mg/L	IS 3025 (Part 39)	<4.00	10	20

- Note: 1) The results relate only to the items sampled and tested.
2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
3) The report shall not be reproduced except in full without approval of the laboratory.
4) Gatih Laboratories (OPC) Pvt. Ltd. is not responsible for the authenticity of the sample collected by other Environmental Laboratories.



Goukaran Sahu
Authorized Signatory

Mr. Goukaran Sahu
(Technical Manager)

TEST REPORT

WATER QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		ULR No.:TC1111124000000928F Dispatch No: 300924203 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Type of Sample	: Waste Water	Date of Collection	: 30/09/2024
Description of the Sample	: Cooling Tower Effluent Water	Date of Receipt	: 30/09/2024
Location of Sample	: Cooling Tower Blow Down	Period of Testing	: 30/09/2024 to 08/10/2024
Qty	: 2 x 3 litre	Method of sampling	: -
Sample Condition at Receipt	: Sealed	Sample tested as received	: OK
Sample Discipline	: Chemical Testing	Sample ID	: GLPL0924WW928
Environmental Condition	: Ambient	Sample collected by	: Client Representative
Other information (If any)	: -		

LOCATION OF SAMPLE - COOLING TOWER BLOW DOWN

S. No.	Parameters	Unit	Method	Result	Limits as per CPCB for Discharge of Effluents	
					Inland surface Water	Public Sewer
1.	pH	pH	IS 3025 (Part 11)	7.61	5.5-9.0	5.5-9.0
2.	Total Suspended Solid	mg/L	IS 3025 (Part 17)	35.00	100	600
3.	COD	mg/L	IS 3025 (Part 58)	54.00	250	--
4.	BOD	mg/L	IS:3025 (Part 44)	8.25	30	350
5.	Oil & Grease	mg/L	IS 3025 (Part 39)	< 4.00	10	20

- Note: 1) The results relate only to the items sampled and tested.
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G. Sahu
Authorized Signatory

Mr. Goukaran Sahu
(Technical Manager)

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		ULR No.:TC111112400000936F Dispatch No: 160324120 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Sampling Location	: North – Direction Near Admin Office	Date of Sampling	: 27/09/2024 (12:10 AM) to 28/09/2024(12:10 AM)
Sampling Protocol	: IS:5182	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Date of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924AAQ936		
Environmental Conditions at Start	: 28°C, 60% RH	Environmental Conditions at End	: 30°C, 56% RH
Weather Conditions Start	: Sunny	Weather Conditions End	: Sunny

LOCATION OF SAMPLE - NORTH – DIRECTION NEAR ADMIN OFFICE

S. No.	Parameters	Unit	Method	Result	NAAQ STANDARDS
1.	Particulate Matter (PM 10)	µg/m ³	IS:5182 (Part 23)	65.00	100
2.	Particulate Matter (PM 2.5)	µg/m ³	IS:5182 (Part 24)	33.00	60
3.	Sulphur Dioxide (SO ₂)	µg/m ³	IS:5182 (Part 2)	12.00	80
4.	Oxides of Nitrogen (NO ₂)	µg/m ³	IS:5182 (Part 6)	22.00	80

Note: 1) The results relate only to the items sampled and tested.

2) Sample will be Disposed after 10 days from the report date unless otherwise specified.

3) The report shall not be reproduced except in full without approval of the laboratory.

4) Gatih Laboratories (OPC) Pvt. Ltd. is not responsible for the authenticity of the sample collected by other Environmental Laboratories.



Authorized Signatory

J. Sanyal

Mr. Goukaran Sahu
(Technical manager)

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		Report No.: GLPL/24-25/342 Dispatch No: 300924112 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Sampling Location	: North – Direction Near Admin Office	Date of Sampling	: 27/09/2024
Sampling Protocol	: IS:5182	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Date of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924AAQ342		
Environmental Conditions at Start	: 28°C, 60% RH	Weather Conditions	: Sunny

LOCATION OF SAMPLE - NORTH – DIRECTION NEAR ADMIN OFFICE

S. No.	Parameters	Unit	Method	Result	NAAQ STANDARDS
1.	Carbon Monoxide (CO)	mg/ m ³	IS:5182 (part-10)	1.30	4

- Note: 1) The results relate only to the items sampled and tested.
 2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
 3) The report shall not be reproduced except in full without approval of the laboratory.
 4) Gatih Laboratories (OPC) Pvt. Ltd. is not responsible for the authenticity of the sample collected by other Environmental Laboratories.



Authorized Signatory

(Signature)

**Mr. Goukaran Sahu
(Technical manager)**

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		ULR No.:TC111112400000937F Dispatch No: 160324120 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Sampling Location	: South Direction - Near Coal Shed of Power Plant	Date of Sampling	: 27/09/2024 (11:52 AM) to 28/09/2024(11:52 AM)
Sampling Protocol	: IS:5182	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Date of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924AAQ937		
Environmental Conditions at Start	: 28°C, 60% RH	Environmental Conditions at End	: 30°C, 56% RH
Weather Conditions Start	: Sunny	Weather Conditions End	: Sunny

LOCATION OF SAMPLE- SOUTH DIRECTION NEAR - COAL SHED OF POWER PLANT

S. No.	Parameters	Unit	Method	Result	NAAQ STANDARDS
1.	Particulate Matter (PM 10)	µg/m ³	IS:5182 (Part 23)	74.00	100
2.	Particulate Matter (PM 2.5)	µg/m ³	IS:5182 (Part 24)	36.00	60
3.	Sulphur Dioxide (SO ₂)	µg/m ³	IS:5182 (Part 2)	15.00	80
4.	Oxides of Nitrogen (NO ₂)	µg/m ³	IS:5182 (Part 6)	27.00	80

- Note: 1) The results relate only to the items sampled and tested.
 2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
 3) The report shall not be reproduced except in full without approval of the laboratory.
 4) Gatih Laboratories (OPC) Pvt. Ltd. is not responsible for the authenticity of the sample collected by other Environmental Laboratories.



Authorized Signatory


 Mr. Goukaran Sahu
 (Technical manager)

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		Report No.: GLPL/24-25/343 Dispatch No: 300924112 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Sampling Location	: South Direction - Near Coal Shed of Power Plant	Date of Sampling	: 27/09/2024
Sampling Protocol	: IS:5182	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Date of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924AAQ343		
Environmental Conditions at Start	: 28°C, 60% RH	Weather Conditions	: Sunny

LOCATION OF SAMPLE- SOUTH DIRECTION NEAR - COAL SHED OF POWER PLANT

S. No.	Parameters	Unit	Method	Result	NAAQ STANDARDS
1.	Carbon Monoxide (CO)	mg/ m ³	IS:5182 (part-10)	0.71	4

- Note: 1) The results relate only to the items sampled and tested.
2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
3) The report shall not be reproduced except in full without approval of the laboratory.
4) Gatih Laboratories (OPC) Pvt. Ltd. is not responsible for the authenticity of the sample collected by other Environmental Laboratories.



Authorized Signatory

Goukaran Sahu

Mr. Goukaran Sahu
(Technical manager)

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		ULR No.: TC111112400000938F Dispatch No: 160324120 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Sampling Location	: East Direction - Near Cooling Tower of 65 MW	Date of Sampling	: 28/09/2024 (12:25 AM) to 29/09/2024(12:25 AM)
Sampling Protocol	: IS:5182	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Date of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924AAQ938		
Environmental Conditions at Start	: 30°C, 58% RH	Environmental Conditions at End	: 29°C, 62% RH
Weather Conditions Start	: Sunny	Weather Conditions End	: Sunny

LOCATION OF SAMPLE- EAST DIRECTION - NEAR COOLING TOWER OF 65 MW

S. No.	Parameters	Unit	Method	Result	NAAQ STANDARDS
1.	Particulate Matter (PM 10)	$\mu\text{g}/\text{m}^3$	IS:5182 (Part 23)	69.00	100
2.	Particulate Matter (PM 2.5)	$\mu\text{g}/\text{m}^3$	IS:5182 (Part 24)	35.00	60
3.	Sulphur Dioxide (SO ₂)	$\mu\text{g}/\text{m}^3$	IS:5182 (Part 2)	16.00	80
4.	Oxides of Nitrogen (NO ₂)	$\mu\text{g}/\text{m}^3$	IS:5182 (Part 6)	25.00	80

- Note: 1) The results relate only to the items sampled and tested.
2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
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Authorized Signatory

(Handwritten Signature)

**Mr. Goukaran Sahu
(Technical manager)**

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		Report No.: GLPL/24-25/344 Dispatch No: 300924112 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Sampling Location	: East Direction - Near Cooling Tower of 65 MW	Date of Sampling	: 28/09/2024
Sampling Protocol	: IS:5182	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Date of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924AAQ344		
Environmental Conditions at Start	: 30°C, 58% RH	Weather Conditions	: Sunny

LOCATION OF SAMPLE- EAST DIRECTION - NEAR COOLING TOWER OF 65 MW

S. No.	Parameters	Unit	Method	Result	NAAQ STANDARDS
1.	Carbon Monoxide (CO)	mg/ m ³	IS:5182 (part-10)	0.96	4

- Note: 1) The results relate only to the items sampled and tested.
2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
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Authorized Signatory

(Handwritten Signature)

Mr. Goukaran Sahu
(Technical manager)



GATIH LABORATORIES (OPC) PVT. LTD.

Bungalow No.1, Balaji Green City, Sondongri, Raipur Chhattisgarh, INDIA 492099
Ph.No.0771 4332302, Mo: +91 9818446188 | email: amit.chandravanshi@gatihconsultancy.com



TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		ULR No.:TC111112400000939F Dispatch No: 160324120 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Sampling Location	: West Direction- Near Slag Crusher unit	Date of Sampling	: 29/09/2024 (12:40 AM) to 30/09/2024(12:40 AM)
Sampling Protocol	: IS:5182	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Date of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924AAQ939		
Environmental Conditions at Start	: 30°C, 64% RH	Environmental Conditions at End	: 30°C, 68% RH
Weather Conditions Start	: Sunny	Weather Conditions End	: Sunny

LOCATION OF SAMPLE- WEST DIRECTION - NEAR SLAG CRUSHER UNIT

S. No.	Parameters	Unit	Method	Result	NAAQ STANDARDS
1.	Particulate Matter (PM 10)	µg/m ³	IS:5182 (Part 23)	75.00	100
2.	Particulate Matter (PM 2.5)	µg/m ³	IS:5182 (Part 24)	38.00	60
3.	Sulphur Dioxide (SO ₂)	µg/m ³	IS:5182 (Part 2)	16.00	80
4.	Oxides of Nitrogen (NO ₂)	µg/m ³	IS:5182 (Part 6)	28.00	80

- Note: 1) The results relate only to the items sampled and tested.
2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
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4) Gatih Laboratories (OPC) Pvt. Ltd. is not responsible for the authenticity of the sample collected by other Environmental Laboratories.



Authorized Signatory

Goukaran Sahu

Mr. Goukaran Sahu
(Technical manager)

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) – 496001 India.		Report No.: GLPL/24-25/345 Dispatch No: 300924112 Issue Date: 08/10/2024 Client Ref: xxx Date: xxx	
Sampling Location	: West Direction- Near Slag Crusher unit	Date of Sampling	: 29/09/2024
Sampling Protocol	: IS:5182	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Date of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924AAQ345		
Environmental Conditions at Start	: 30°C, 64% RH	Weather Conditions	: Sunny

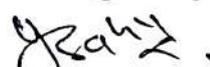
LOCATION OF SAMPLE- WEST DIRECTION - NEAR SLAG CRUSHER UNIT

S. No.	Parameters	Unit	Method	Result	NAAQ STANDARDS
1.	Carbon Monoxide (CO)	mg/ m ³	IS:5182 (part-10)	0.65	4

- Note: 1) The results relate only to the items sampled and tested.
2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
3) The report shall not be reproduced except in full without approval of the laboratory.
4) Gatih Laboratories (OPC) Pvt. Ltd. is not responsible for the authenticity of the sample collected by other Environmental Laboratories.



Authorized Signatory


Mr. Goukaran Sahu
 (Technical manager)

TEST REPORT

STACK MONITORING REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) - 496001 India.		ULR No.:TC111112400000924F Dispatch No: 300924203 Issue Date: 08/10/2024 Client Ref: 6400005327 Date: 20.04.2024	
Sampling Location	: Stack 1 (2x100 TPD Sponge Iron Kiln 1 & 2)	Date of Sampling	: 29/09/2024
Sampling Protocol	: IS:11255	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Period of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924SE924		

LOCATION OF STACK - STACK 1 (2X100 TPD SPONGE IRON KILN 1 & 2)

S. NO.	STACK DETAILS	UNIT	DESCRIPTION
1.	Stack Attached to	-	Kiln 1 & 2
2.	Type of Fuel Used	-	Coal
3.	Height of Stack	m	55
4.	Stack Top	-	Circular
5.	Material of Construction of Stack	-	Steel
6.	Height of Monitoring Port	m	35
7.	Inside Diameter of Stack at Sampling Point	m	1.6
8.	Ambient Temperature	°C	30
9.	Flue Gas Temperature	°C	143
10.	Exit Velocity of the Flue Gas	m/sec	8.71
11.	Flue Gas Flow Rate	Nm ³ /hr	50334

TEST RESULTS

S. NO.	PARAMETER	UNIT	METHOD USED	RESULT	SPECIFICATION/ CPCB NORMS/BIS STANDARD
1.	Particulate Matter	mg/Nm ³	IS:11255 (Part 1)	44.00	50

Note: 1) The results relate only to the items sampled and tested.

2) Sample will be Disposed after 10 days from the report date unless otherwise specified.

3) The report shall not be reproduced except in full without approval of the laboratory.

4) Gatih Laboratories (OPC) Pvt. Ltd. is not responsible for the authenticity of the sample collected by other Environmental Laboratories.



G. Sahu
Authorized Signatory

Mr. Goukaran Sahu
(Technical Manager)

TEST REPORT

STACK MONITORING REPORT

Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) - 496001 India.		ULR No.:TC11112400000925F Dispatch No: 300924203 Issue Date: 08/10/2024 Client Ref: 6400005327 Date: 20.04.2024	
Sampling Location	: Stack 2 (10.5 MW AFBC Power Plant)	Date of Sampling	: 29/09/2024
Sampling Protocol	: IS:11255	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Period of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924SE925		

LOCATION OF STACK - STACK 2 (10.5 MW AFBC POWER PLANT)

S. NO.	STACK DETAILS	UNIT	DESCRIPTION
1.	Stack Attached to	-	10.5 MW AFBC Power Plant
2.	Type of Fuel Used	-	Coal
3.	Height of Stack	m	60
4.	Stack Top	-	Circular
5.	Material of Construction of Stack	-	Steel
6.	Height of Monitoring Port	m	38
7.	Inside Diameter of Stack at Sampling Point	m	2.85
8.	Ambient Temperature	°C	30
9.	Flue Gas Temperature	°C	112
10.	Exit Velocity of the Flue Gas	m/sec	7.75
11.	Flue Gas Flow Rate	Nm ³ /hr	135907

TEST RESULTS

S. NO.	PARAMETER	UNIT	METHOD USED	RESULT	SPECIFICATION/ CPCB NORMS/BIS STANDARD
1.	Particulate Matter	mg/Nm ³	IS:11255 (Part 1)	45.00	50
2.	Sulphur Dioxide (SO ₂)	mg/Nm ³	IS:11255 (Part 2)	205.00	400
3.	Oxides of Nitrogen (NO _x)	mg/Nm ³	IS:11255 (Part 7)	145.00	600

- Note: 1) The results relate only to the items sampled and tested.
2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
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Goukaran Sahu
Authorized Signatory

Mr. Goukaran Sahu
(Technical Manager)

TEST REPORT

STACK MONITORING REPORT			
Name & Address of the Customer: To, M/s. Salasar Steel & Power Ltd. Village-Taraimal, PO- Gerwani, Raigarh(C.G.) - 496001 India.		ULR No.:TC111112400000926F Dispatch No: 300924203 Issue Date: 08/10/2024 Client Ref: 6400005327 Date: 20.04.2024	
Sampling Location	: Stack 3 (3x10 MT Induction Furnace)	Date of Sampling	: 29/09/2024
Sampling Protocol	: IS:11255	Date of Receipt of Sample	: 30/09/2024
Sample Condition at Receipt	: Packed, Preserved as per Sampling Protocol	Period of Testing	: 30/09/2024 to 08/10/2024
Sample ID	: GLPL0924SE926		

LOCATION OF STACK - STACK 3 (3X10 MT INDUCTION FURNACE)					
S. NO.	STACK DETAILS	UNIT	DESCRIPTION		
1.	Stack Attached to	-	3x10 MT Induction Furnace		
2.	Type of Fuel Used	-	Coal		
3.	Height of Stack	m	30		
4.	Stack Top	-	Circular		
5.	Material of Construction of Stack	-	Steel		
6.	Height of Monitoring Port	m	19		
7.	Inside Diameter of Stack at Sampling Point	m	0.85		
8.	Ambient Temperature	°C	30		
9.	Flue Gas Temperature	°C	112		
10.	Exit Velocity of the Flue Gas	m/sec	8.44		
11.	Flue Gas Flow Rate	Nm ³ /hr	146107		
TEST RESULTS					
S. NO.	PARAMETER	UNIT	METHOD USED	RESULT	SPECIFICATION/ CPCB NORMS/BIS STANDARD
1.	Particulate Matter	mg/Nm ³	IS:11255 (Part 1)	42.00	50

- Note: 1) The results relate only to the items sampled and tested.
 2) Sample will be Disposed after 10 days from the report date unless otherwise specified.
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G. Sahu
Authorized Signatory

Mr. Goukaran Sahu
(Technical Manager)



**PHOTOGRAPHS SHOWING TARPAULIN COVER TRUCKS SALASAR STEEL & POWER LTD.
Vill : Gerwani Dist : Raigarh (CG)**



PHOTOGRAPHS SHOWING BRICK MACHINE
SALASAR STEEL & POWER LTD.
Vill : Gerwani : Dist : Raigarh (CG)



CIN : U74999MP2020PTC052747

TEST REPORT

Name & Address of the Customer To, M/s Salasar Steel & Power Ltd. Address: Village - Gerwani, Rajgarh,(C.G.) - 496001	Test Report No: CES/Lab/Sludge/24 Dispatch No: 194 Issue Date: 16.10.2024 Client Ref: Nil Date : Nil
Qty : 1 No. x 1 kg	Sampling Details
Method of test : Given Below	Date of Collection : 09.10.2024
Packing :- Plastic Bag	Date of Receipt : 09.10.2024
Sample Condition at receipt: Packed	Period of testing : 09.10.2024 to 16.10.2024
Sample collected by: Client	Method of sampling : As Per Client
Sample Discipline: Chemical Testing Sub Group: Slag	Page No. : 1 of 1

S. No.	Test Parameters	Unit	Method No.	Standard as per Schedule II of Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016	Result Obtained Induction Furnace Slag
TCLP Extract (Toxicity Characteristic Leaching Procedure)					
1	Arsenic as As	Mg/L	APHA, (23 rd Edition), 3114-B	5.0	0.43
2	Cadmium as Cd	Mg/L	APHA, (23 rd Edition), 3114-B	1.0	0.37
3	Total Chromium as Cr	Mg/L	APHA, (23 rd Edition), 3114-B	5.0	1.33
4	Lead as Pb	Mg/L	APHA, (23 rd Edition), 3114-B	5.0	1.51
5	Mercury as Hg	Mg/L	APHA, (23 rd Edition), 3114-B	0.2	0.14
6	Nickel as Ni	Mg/L	APHA, (23 rd Edition), 3114-B	20.0	4.47
7	Zinc as Zn	Mg/L	APHA, (23 rd Edition), 3114-B	250.0	31.41
8	Barium as Ba	Mg/L	APHA, (23 rd Edition), 3114-B	100.0	18.27
9	Selenium as Se	Mg/L	APHA, (23 rd Edition), 3114-B	1.0	0.63

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By:

NEELAM UPADHYAY
TECHNICAL MANAGER

Authorized Signatory



The Results relate only to the sample tested/ sampled

Note:-The Report will not valid for any legal case, if prior permission not taken from CES.

-----*End of Report*-----

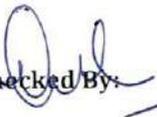
SANTOSH KHANTAL
QUALITY MANGAER

**TEST REPORT**

Name & Address of the Customer To, M/s Salasar Steel & Power Ltd. Address: Village - Gerwani, Rajgarh,(C.G.) - 496001	Test Report No: CES/Lab/Sludge/24 Dispatch No: 194 Issue Date: 16.10.2024 Client Ref: Nil Date : Nil
Qty : 1 No. x 1 kg	Sampling Details
Method of test : Given Below	Date of Collection : 09.10.2024
Packing :- Plastic Bag	Date of Receipt : 09.10.2024
Sample Condition at receipt: Packed	Period of testing : 09.10.2024 to 16.10.2024
Sample collected by: Client	Method of sampling : As Per Client
Sample Discipline: Chemical Testing Sub Group: Slag	Page No. : 1 of 2

S. No.	Test Parameters	Unit	Standard as per Schedule II of Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016	Result Obtained Induction Furnace Slag
TCLP Extract (Toxicity Characteristic Leaching Procedure)				
1	Manganese as Mn	Mg/L	10.0	5.61
2	Silver as Ag	Mg/L	5.0	0.15
3	Ammonia as NH ₃	Mg/L	50	13.59
4	Nitrate	Mg/L	1000	52.36
5	Sulphide as H ₂ S	Mg/L	5.0	0.72
6	1-1 Dichloroethylene	Mg/L	0.7	ND
7	1-2 Dichloroethane	Mg/L	0.5	ND
8	1-4 Dichlorobenzene	Mg/L	7.5	ND
9	2,4-5 Trichlorophenol	Mg/L	400.0	ND
10	2,4,6- Trichlorophenol	Mg/L	2.0	ND
11	2,4 Dinitrotoluene	Mg/L	0.13	ND

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By: 
NEELAM UPADHYAY
TECHNICAL MANAGER


Authorized Signatory



The Results relate only to the sample tested/ sampled
Note:-The Report will not valid for any legal case, if prior permission not taken from CES.

-----*End of Report*-----

SANTOSH KHANTAL
QUALITY MANGAER



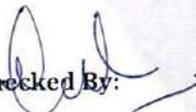
CIN : U74999MP2020PTC052747

TEST REPORT

Name & Address of the Customer To, M/s Salasar Steel & Power Ltd. Address: Village - Gerwani, Rajgarh,(C.G.) - 496001	Qty : 1 No. x 1 kg	Test Report No: CES/Lab/Sludge/24 Dispatch No: 194 Issue Date: 16.10.2024 Client Ref: Nil Date : Nil
Method of test : Given Below	Packing :- Plastic Bag	Sampling Details
Sample Condition at receipt: Packed	Sample collected by: Client	Date of Collection : 09.10.2024
Sample Discipline: Chemical Testing	Sub Group: Slag	Date of Receipt : 09.10.2024
		Period of testing : 09.10.2024 to 16.10.2024
		Method of sampling : As Per Client
		Page No. : 2 of 2

S. No.	Test Parameters	Unit	Standard as per Schedule II of Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016	Result Obtained Induction Furnace Slag
TCLP Extract (Toxicity Characteristic Leaching Procedure)				
12	Chromium (IV)	Mg/L	5.0	1.48
13	Cobalt	Mg/L	80.0	9.39
14	Copper	Mg/L	25	4.13
15	Molybdenum	Mg/L	350	13.01
16	Fluoride	Mg/L	180	16.32

For CES Analytical and Research Services (I) Pvt. Ltd

Checked By:  NEELAM UPADHYAY
TECHNICAL MANAGER


Authorized Signatory

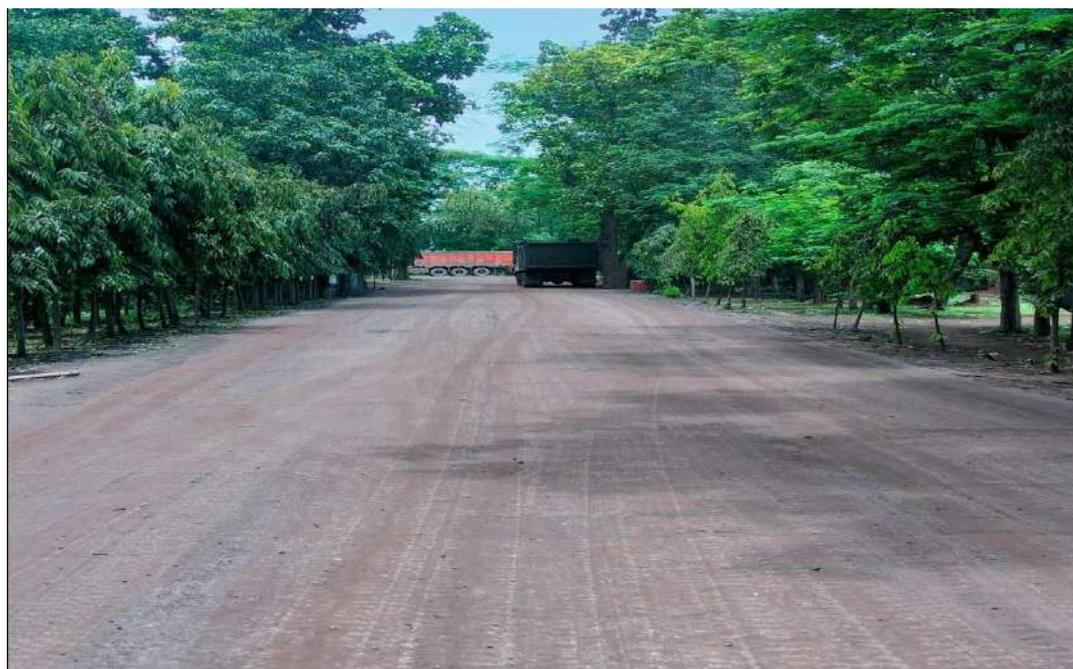


The Results relate only to the sample tested/ sampled

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-----*End of Report*-----

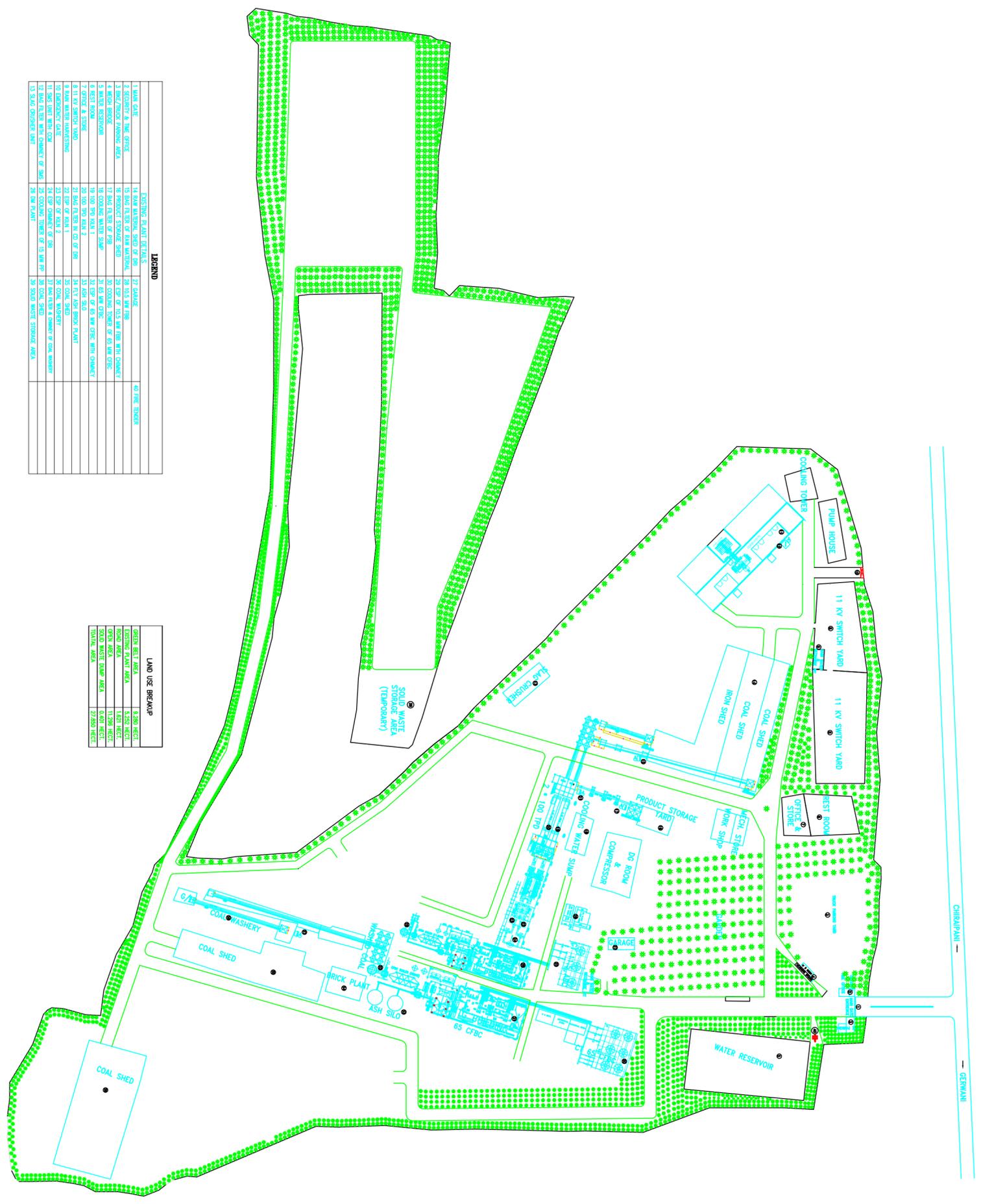
SANTOSH KHANTAL
QUALITY MANGAER



PHOTOGRAPHS SHOWING INTERNAL ROADSALASAR
STEEL & POWER LTD.
Vill : Gerwani : Dist : Raigarh (CG)



PHOTOGRAPHS SHOWING PIEZOMETER
SALASAR STEEL & POWER LTD.
Vill : Gerwani : Dist : Raigarh (CG)

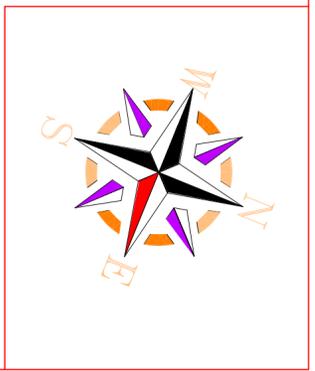


LEGEND

EXISTING PLANT DETAILS		
1 MAIN GATE	14 RAW MATERIAL SHED OF 800	27 GARAGE
2 SECURITY & TIME OFFICE	15 BULK FILTERS OF RAW MATERIAL	28 10.5 MW FB
3 BENT/COIL STRENGTH AREA	16 BENT FILTERS OF RAW MATERIAL	29 10.5 MW FB
4 BENT/COIL STRENGTH AREA	17 BENT FILTERS OF 60 MW FB	30 10.5 MW FB
5 WATER RESERVOIR	18 COOLING WATER SUMP	31 65 MW FB
6 REST ROOM	19 100 TPD KAN 1	32 ESP OF 65 MW FB WITH CHIMNEY
7 OFFICE & STORE	20 100 TPD KAN 2	33 ASH SILC
8 11 KV SWITCH YARD	21 BULK FILTERS IN CO OF 800	34 11 KV ASH BRICK PLANT
9 11 KV SWITCH YARD	22 BULK FILTERS IN CO OF 800	35 COIL MASS
10 COOLING TOWER	23 ESP OF 65 MW FB	36 COIL MASS
11 SWG UNIT WITH COIL	24 ESP CHIMNEY OF 800	37 RAW FILTER & CHIMNEY OF 600 MASS
12 SWG UNIT WITH CHIMNEY OF 800	25 COOLING TOWER OF 15 MW FB	38 COIL SHED
13 SWG CONDENSER UNIT	26 DRI PLANT	39 SOLID WASTE STORAGE AREA

LAND USE BREAKUP

GREEN BELT AREA	9.820 HECT
EXISTING PLANT AREA	1.232 HECT
OPEN AREA	11.728 HECT
SOLID WASTE DUMP AREA	0.424 HECT
TOTAL AREA	23.204 HECT



PURPOSE OF ISSUE
 TENDER INFORMATION REVIEW/ APPROVAL CONSTRUCTION AS-BUILT

PROJECT: **STEEL PLANT WITH FERRO ALLOYS UNIT**
 At Village GERWANI, RAIGARH (CG)

CLIENT: **SALASAR STEEL AND POWER LTD.**

NO.	NAME	SIGN	DATE
2021			
DRN.	-	-	-
CHKD.			2021
APRD.			

UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN mm

SCALE: 1:200

CAD FILE: -

SIZE: -

REV.:

TITLE: **PLANT LAY OUT OF SALASAR STEEL AND POWER LTD.**

DRAWING NO. **2021-SSPL-001**

SHEET NO. 01 NO. OF SHT. 01



PHOTOGRAPHS SHOWING LDO STORAGE AREA
SALASAR STEEL & POWER LTD.
Vill : Gerwani : Dist : Raigarh (CG)

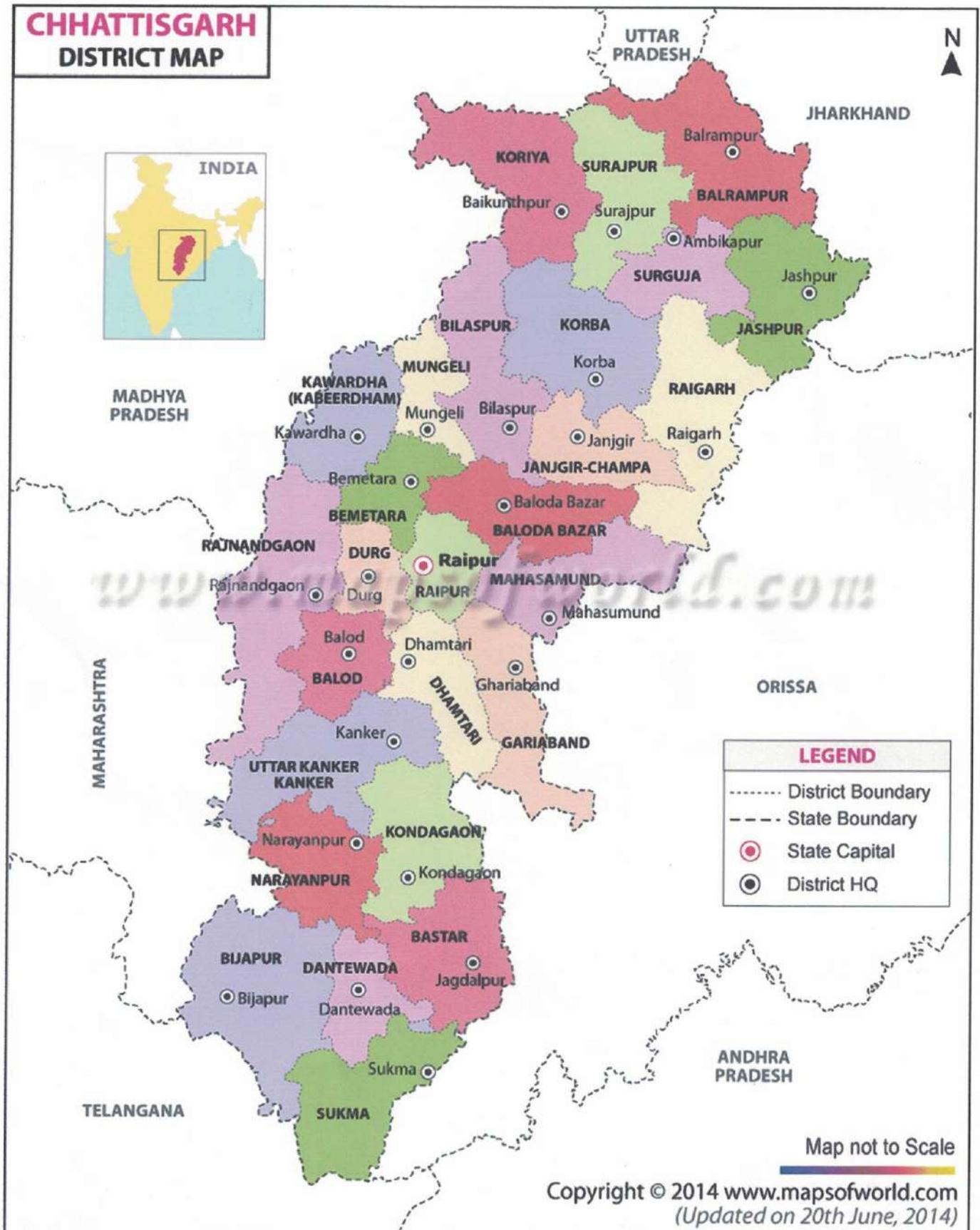
SALASAR STEEL & POWER LTD. RAIGARH



Physical Verification of Plantation 2017

By : M.A. Ali (Retd. ACF, Raipur) , Mob. : 7440212827







Industrial Map of Raigarh District



INDEX

- District H.Q.
- Block H.Q.
- Large Industry
- Medium Industry
- Small Industry
- Coal Mines
- River
- Railway Line
- Road

GENERAL SPRINGER
 District Trade & Industrial
 Centre Raigarh (J.G.)

**PHYSICAL VERIFICATION OF PLANTATION
YEAR- 2017**

A BRIEF INTRODUCTION OF THE COMPANY

1. Name of the Company : Salasar Steel And Power Limited
2. Type of Company : Public Limited Company
3. GST Number : 22AAHCS2327NIZA
4. PAN : AAHCS2327N
5. Address of the factory : Village – Gerwani, 13KM Stone, Ambikapur
Road, Raigarh- 496001, Chhattisgarh
6. Registered Office : 1st Floor, Bhatia Complex, Opp. Rajkumar
College, G.E. Road, Raipur (C.G.) 492001
7. Year of Incorporation : Year 1994
8. Year of Establishment : Year 2004
9. Contact No. : Office : 0771-4244900 /999
Fax : 0771-4061864
Factory : 07762-261521
E-mail : raipur@sspl-india.com
10. Managing Director : Shiv Kumar Malani
11. Directors :

Sr.No.	Name	Residential Address	Designation
1.	Shiv Kumar Malani	300 Kohat Enclave, Pitampura Delhi 110034	Managing Director
2.	Sushil Kumar Malani	H.No. 69, Near Gayatri Hospital, Rohinipuram, Raipur 492001	Director
3.	Sunil Bajranglal Dhoot	Madhukunj Room No. 201, 2 nd Floor, Sayani Road, Prabhadevi, Mumbai 400024	Director
4.	Anil Kumar Mudhra	14 New Flora Complex, Pula Bhuwana, Udaipur 313001	Additional Director

12. Products & Capacity	:	i) Sponge Iron Plant – 60,000 MT/Yr. ii) Captive Power Plant – 80MW (15 MW & 65 MW) iii) Steel Melting Shop – 97,000 MT/Yr. iv) Coal Washery – 3,90,000 MT/ Yr.
13. Boiler details	:	4. No's of Boiler – CG-2011, CG-2012, CG-2013 & CG-678
14. Total Capital Investment	:	41597 Lacs (Upto 31 st March 2017)
15. No. of Direct Employment	:	315
16. Total Area of the Plant	:	65 Acres (Approx.)

Historical Development

The company was incorporated in the year 1994, after which the sponge Iron Plant was established in year 2004, the capacity of the Sponge Iron Plant is 60,000 MT/Yr. Power Plant with a capacity of 15 MW was installed in year 2006. Coal Washery was installed in year 2007. To Utilize the Fly Ash generated from captive Power Plant Company has installed Fly Ash Brick Manufacturing unit in Year 2009. The complete expansion o the company was done in the year 2013 when the Company Installed 65 MW Coal based Power Plant aong with Steel Melting shop with an annual capacity of 97,000 MT.

At a Glance

The Company is situated on Ambikapur National Highway under Raigarh District of Chhattisgarh company is having a considerable green lush area inside and outside of the factory which makes the surrounding climate favourable and pollution free.

Workers provide their service sin shift which go round the clock. The saftey arrangement is up to the mark.

An arrangement of Pollution Control equipment is also very impressive.

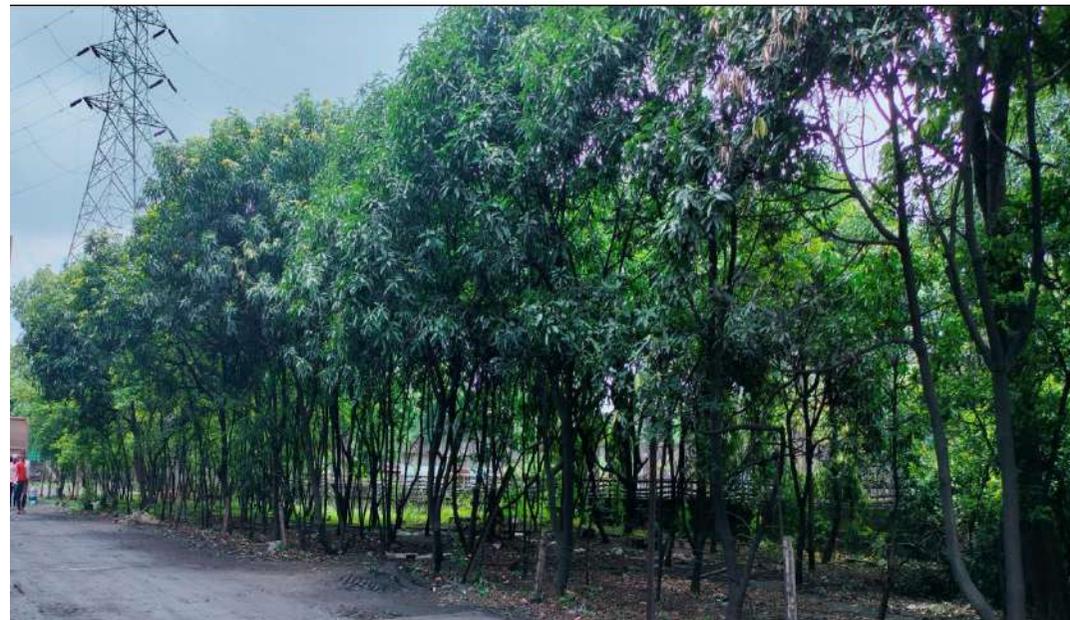
CERTIFICATE

This is to certify that Salasar Steel and Power Plant, Village , Gerwani, Raigarh (C.G.) is spread over an area of about 65 acres, Plants like Peltaforum, Gulmohar, Alistonia, Neem, Karanj, Salti Teack, Ashoka, Cassia Siammia, Mahuwa etc. have been planted in the factory area and outside the factory along boundary line and approach road which makes surrounding pollution free, The total no. of plants is approximately 20000 (Twenty Thousand) and about 2000 (Two thousand) fruit bearing plants make the area lush green.

Place : Raipur
Date : 02.11.2017


(M.A. Ali)
Resided Senior A.C.F.
Chhattisgarh Forest Deptt.
Raipur (C.G.)

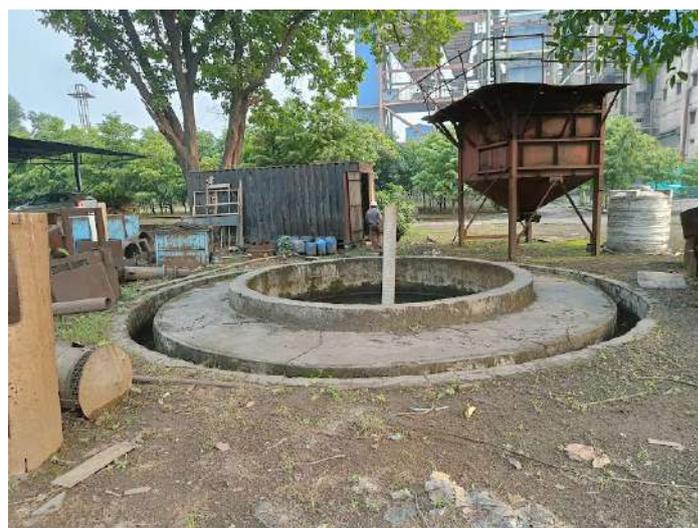




PHOTOGRAPHS SHOWING PLANTATION
SALASAR STEEL & POWER LTD.
Vill : Gerwani : Dist : Raigarh (CG)



PHOTOGRAPHS SHOWING GARLAND DRAINS
SALASAR STEEL & POWER LTD.
Vill : Gerwani : Dist : Raigarh (CG)



PHOTOGRAPHS SHOWING RAIN WATER HARVESTING STRUCTURES

SALASAR STEEL & POWER LTD.

Vill : Gerwani : Dist : Raigarh (CG)

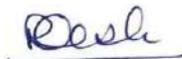
Salasar Steel And Power Ltd.

Village-Gerwani, Ambikapur Road, Raigarh-496 001 (C.G.)

Ph.No. (07762) 261520/521/523, Fax : (07762) 261524

EMPLOYMENT DETAILS

PERMANENT EMPLOYEES (MANAGERIAL, SKILLED & UNSKILLED)			
FROM RAIGARH DIST.	FROM C.G.	FROM OTHER STATE	TOTAL
119	81	64	264
EMPLOYMENT THROUGH CONTRACTOR (MANAGERIAL, SKILLED & UNSKILLED)			
FROM RAIGARH DIST.	FROM C.G.	FROM OTHER STATE	TOTAL
81	124	44	249

For, Salasar Steel & Power Limited

(Rakesh Kesharwani)

Authorized Signatory

Regd.Office : 1st Floor, Bhatia Complex, Opp. Rajkumar College, G.E. Road, Raipur 492 001 (C.G.)

Ph.No. : (0771) 4061863 Fax : (0771) 4061864 Email – salasarsteelandpower@gmail.com

FORM 21 (Annexure)

[Prescribed Under Rule (19)]
Health Register

A9.377085407640

MO. 999357060

DOJ 109/09/24

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

PRE-EMPLOYMENT & PERIODIC MEDICAL EXAMINATION

Registration No.:

Date: 07/09/2024

Name: MR SANJIV ROMAR Age (Years): 45 Male/Female

Electrician

Nature of Employment: Electrical Employee No.: 40581 Designation: Sr. Technician

Power CoS

1. GENERAL EXAMINATION:

HEIGHT: 167 cm.	WEIGHT: 72 Kg.	BMI: 25.8
CHEST INSPIRATION: cm.	EXPIRATION: cm.	BULT: AVERAGE/STRONG/POOR
THROAT: Normal/Abnormal	THYROID: Not Palpable/palpable	LYMPH NODES: Not Palpable/Palpable
TONGUE: Normal/Abnormal	TEETH: Normal/Abnormal	GUMS: Normal/Abnormal
TONSILS: Normal/Abnormal	ADDITIONAL FINDINGS: Absent/Present	

2. CARDIO-VASCULAR SYSTEM:

PULSE: 70 /MIN : REGULAR/IRREGULAR	PERIPHERAL PULSE: FELT / NOT FELT
BP: 110/80 mmHg	MURMUR IF ANY: Absent / Present
HEART SOUND: Normal/Abnormal	ADDITIONAL FINDINGS IF ANY: Absent/Present

3. RESPIRATORY SYSTEM:

SHAPE OF CHEST: Normal/Abnormal	CHEST MOVEMENT: Normal / Abnormal
TRACHEA: Normal/Abnormal	BREATH SOUNDS: Normal/Abnormal

4. GASTRO-INTESTINAL SYSTEM:

ANY ABDOMINAL LUMP: Absent / Present	SPLEEN: Not palpable / palpable
	Liver: Not palpable / palpable

5. EXAMINATION OF EYES:

EXTERNAL EXAMINATION: SQUINT: Absent/Present	COLOUR VISION: Normal/Defective
--	---------------------------------

INDIVIDUAL COLOUR IDENTIFICATION: NORMAL / DEFECTIVE

DISTANT VISION (WITHOUT GLASSES)	NEAR VISION (WITHOUT GLASSES)
RIGHT 6/6 LEFT 6/6	RIGHT 6/6 LEFT 6/6
DISTANT VISION (WITH GLASSES)	NEAR VISION (WITH GLASSES)
RIGHT — LEFT —	RIGHT — LEFT —

6. EXAMINATION EAR, NOSE & THROAT: EXTERNAL EXAMINATION:**7. GENITO URINARY SYSTEM:**

HERNIA: Absent/Present	HYDROCELE/VARICOCELE: Absent/Present	CRYPTORCHIDISM: Absent/Present
PHIMOSIS: Absent/Present	VARICOSE VEIN: Absent/ Present	SIGNS OF STD: Absent / Present

OTHER EXAMINATION FOR FEMALES: MENSTRUAL/OBSETRIC HISTORY

MENARCHE: YES	GRAVIDA:	PARA:
LMP:	MENSTRUAL IRREGULARITY IF ANY: N/A	

HEMOGRAM			LAPID PROFILE		HEPATIC PROFILE			
HB:	14.3	gm%	CHOLESTEROL:	164	mg%	Bilirubin (TOTAL:)	0.61	mg%
RBC:	4.70	Million/cmm	TRIGLYCERIDE:	135	mg%	Bilirubin (DIRECT)	0.36	mg%
TLC:	6000	/cmm	HDL:	42	mg%	Bilirubin (INDIRECT)	0.25	mg%
DLC:	N 69 L 25 E 02 M 04		LDL:	95	mg%	SGOT:	20	IU/L
Platelet:	3.01	Lacs/cmm	VLDL:	27	mg%	SGPT:	21	IU/L
ESR:		mm/hr	CHO: HDL	3.9		ALK.PHOS:	71	IU/L
BLOOD GROUP:	B+ve		OTHER INVESTIGATIONS		URINE EXAMINATION			
METABOLIC			Anti HIV 1 & 2:		Urine Albumin: Absent/Present			
B.SUGAR (R):	107	mg%	HBsAg:		Urine Sugar: Absent/Present			
B.SUGAR (PP):		mg%	Anti HCV:		Microscopy:			
BLOOD UREA:	18	mg%	Syphilis:					
SR. CREAT.:	0.8	mg%	TSH:					
URIC ACID:	4.30	mg%	WIDAL:					
STOOL:								

9. OTHER INVESTIGATIONS:

a. ECG (in case of any abnormality further test should be carried out):

b. X-ray Chest (in normal persons once in 3 years, in case of any abnormality X-ray can be done at shorter intervals.)

c. Ultrasound whole abdomen (In normal persons once in 3 years, in case of any abnormality can be done at shorter intervals.)

d. Others :

10. PULMONARY FUNCTION TESTS:

	FVC	FEV1	FEV1/FVC
Predicted	3.23	2.61	80.65
Measured	2.32	2.31	99.34
% of Predicted	72	89	123

Remarks :

11. **AUDIOMETRY EXAMINATION** : PTA of both ears at frequency of 125, 250, 500, 1000, 2000, 4000 8000 cycle per sec**12. MEDICAL EXAMINATION OF CANBTEEN STAFF:**

A. Blood examination for venereal diseases and routine blood examination.

B. Stool & Urine examination for worm infection.

C. Screening for skin disease (Scabies & others.)

D. X-ray & other tests for TB.

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

Dr. R. KAGRAWAL

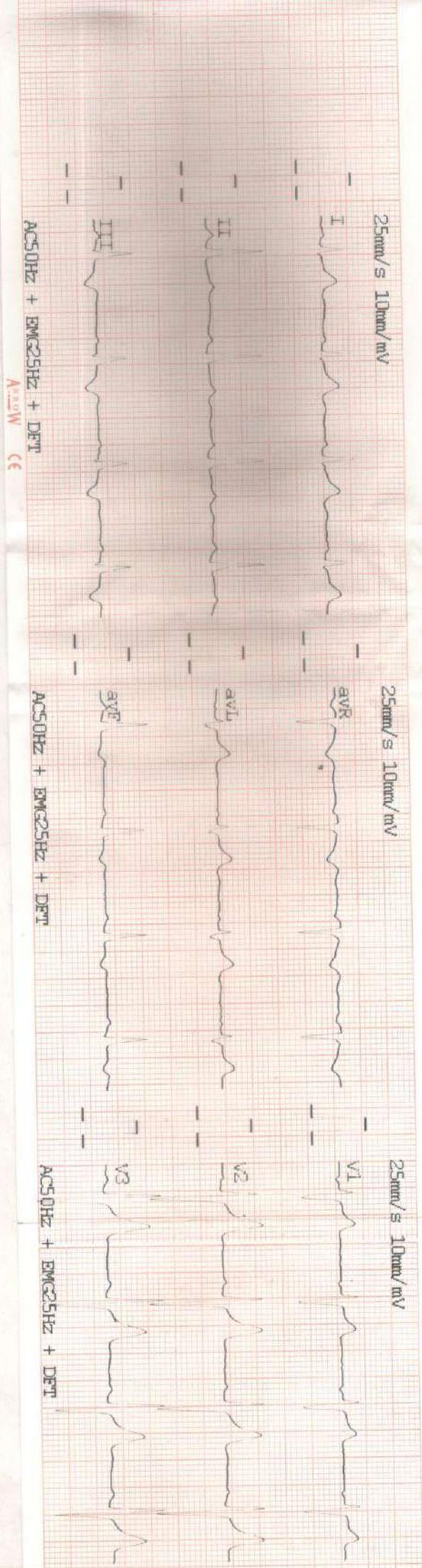
Signature (with date) of Factory Medical Officer

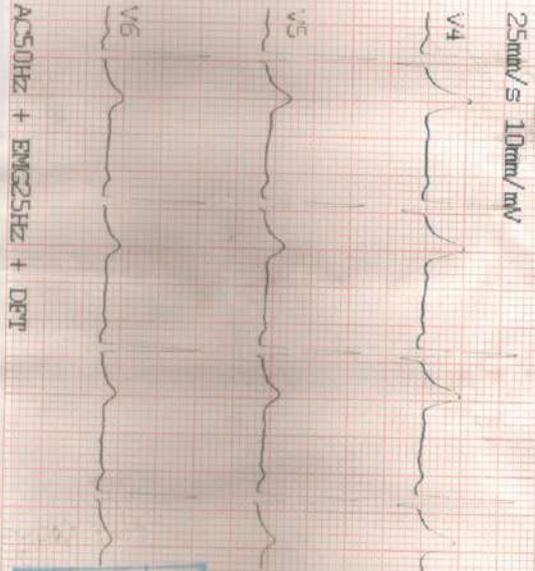
M.B.B.S. - M.S.

Reg. no. -CGMC-4114/2012

Raigarh ortho and General Hospital of Identifying Surgeon

09/09/24





<<Conclusion>>

Normal Sinus Rhythm

MR. SANJIV KUMAR
M/45

Dr. R.K. Agrawal

<<Report need physician confirm>>

Dr. R.K. AGRAWAL
 M.B.B.S. -M.S.
 Reg. no. -CGMC-441
 Raigarh ortho and General Hospital

Amritha CE



RAIGARH ORTHO AND GENERAL HOSPITAL ANNEXURE-17

IN FRONT OF CARMEL SCHOOL, RAIGARH C.G. 496001

Lab- 9329927105, 8976385355 Hospital- 9329927101, 9329927102, 7745966882

श्री अग्रसेन सेवा संघ के मार्गदर्शन एवं मेसर्स सिंगल इंटरप्राइजेज प्रा.लि.

के सहयोग से संचालित लैब में खून एवं पेशाब की सभी जाँच 25% की रियायती दर पर

UHID: 2024RG24083

Pt. Name: Mr. Sanjiv Kumar Mishra

Age/Sex :45 Yrs. / Male

Ref.By: Dr. Aharnish Agrawal

Lab No.: Lab-2069

Sample Date :07-09-2024

Report Date : 07-09-2024

URINE EXAMINATION

Test	Value	Unit	NormalRange
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Volume	30	ml	20-50
Colour	Transparent		
pH	ACIDIC	pH	4.5-7.5
Specific Gravity	1.026		1.005-1.035
CHEMICAL EXAMINATION			
Urine Sugar	NIL		
proten	Absent		
MICROSCOPY EXAMINATION			
Pus Cells	0-0	/HPF	0-2
RBC	0-2	/HPF	0-0
Epithelial Cells	0-2	/HPF	0-2
Casts	Nil		
Crystals	Nil		
Bacteria	Nil		

COMMENT LINE

Sraella
Sign. of Lab Technician

Mallika
Dr. Mallika Agrawal

MBBS,DNB Pathology
Reg No. CGMC 7674/2017



RAIGARH ORTHO AND GENERAL HOSPITAL ANNEXURE-17

IN FRONT OF CARMEL SCHOOL, RAIGARH C.G. 496001

Lab- 9329927105, 8976385355 Hospital- 9329927101, 9329927102, 7745966882

श्री अग्रसेन सेवा संघ के मार्गदर्शन एवं मेसर्स सिंगल इंटरप्राइजेज प्रा.लि.
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UHID: 2024RG24083

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Age/Sex :45 Yrs. / Male

Ref.By: Dr. Aharnish Agrawal

Lab No.: Lab-2069

Sample Date :07-09-2024

Report Date : 07-09-2024

BIOCHEMISTRY

Test	Value	Unit	NormalRange
LFT-Liver Function Test			
Bilirubin Total	0.61	mg/dl	0-1.1
Conjugated (D.Bilirubin)	0.36	mg/dl	0-0.6
Unconjugated (I.D.Bilirubin)	0.25	mg/dl	0-0.4
SGOT (AST)	20	Units/ml	5-40
SGPT (ALT)	21	units/ml	5-40
Alkaline Phosphatase	71	U/L	53-128

OTHERS

Test	Value	Unit	NormalRange
RFT-RENAL FUNCTION TESTS			
BLOOD UREA	18	mg /dl	07-45
SERUM CREATININE	0.8	mg /dl	0.30-1.10
SERUM URIC ACID	4.50	mg /dl	2.4-7.0

COMMENT LINE


Sign. of Lab Technician


Dr. Mallika Agrawal

MBBS,DNB Pathology
Reg No. CGMC 7674/2017



RAIGARH ORTHO AND GENERAL HOSPITAL ANNEXURE-17

IN FRONT OF CARMEL SCHOOL, RAIGARH C.G. 496001

Lab- 9329927105, 8976385355 Hospital- 9329927101, 9329927102, 7745966882

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UHID: 2024RG24083

Lab No.: Lab-2069

Pt. Name: Mr. Sanjiv Kumar Mishra

Age/Sex :45 Yrs. / Male

Ref.By: Dr. Aharnish Agrawal

Sample Date :07-09-2024

Report Date : 07-09-2024

BIOCHEMISTRY

Test	Value	Unit	NormalRange
LIPID PROFILE			
Serum Cholesterol	164	mg%	0-200
Serum Triglycerides	135	mg%	0-160
Serum HDL Cholesterol	42	mg%	30-70
Serum LDL Cholesterol	95	mg%	0-175
Serum VLDL Cholesterol	27	mg/dl	20-40
Total CHO/HDLCholesterol Ratio	3.9		3-6

HEMATOLOGY

Test	Value	Unit	NormalRange
Blood Group			
Blood Group	B		..
ABORH	POSITIVE		..
Blood Sugar (Random)	107	mg/dL	80-140

COMMENT LINE

Spadlu
Sign. of Lab Technician

Mallika
Dr. Mallika Agrawal

MBBS,DNB Pathology
Reg No. CGMC 7674/2017



RAIGARH ORTHO AND GENERAL HOSPITAL ANNEXURE-17

IN FRONT OF CARMEL SCHOOL, RAIGARH C.G. 496001

Lab- 9329927105, 8976385355 Hospital- 9329927101, 9329927102, 7745966882

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UHID: 2024RG24083

Lab No.: Lab-2069

Pt. Name: Mr. Sanjiv Kumar Mishra

Age/Sex :45 Yrs. / Male

Sample Date :07-09-2024

Ref.By: Dr. Aharnish Agrawal

Report Date : 07-09-2024

HEMATOLOGY

Test	Value	Unit	NormalRange
Complete Blood Count (CBC)			
HEMOGLOBIN	14.3	g/dL	12-16
Haematocrit			
Total RBC Count	4.70	millions/cu mm	4.5-6.5
PCV	47	%	40-54
MCV	80	fL	75-96
MCH	30	p gm	27-32
MCHC	35	%	32-38
TLC			
Total Leucocyte Count	6000	cmm	4000-11000
Differential Leucocyte Count			
Polymorphs	69	%	40-75
Lymphocytes	25	%	20-40
Eosinophils	02	%	01-06
Monocytes	04	%	01-10
Platelet			
Platelet Count	3.01	Lacs/cumm	1.5-4.5
MPV	10.5	fL	7-11.7

COMMENT LINE

Goodlu
Sign. of Lab Technician

Mallika
Dr. Mallika Agrawal

MBBS,DNB Pathology
Reg No. CGMC 7674/2017



Infront Of Carmel School Gate, Besides Asharam Electricals

Ph No. - 9329927101 / 9329927102

Lab - 9329927105 / 8976385355

Name : MR. SANJIV KUMAR MISHRA

CRNo. : GMH0001660

TestDate : 07-09-2024 11:58:59

Sex : Male

Adult/Child : Adult

Age : 45

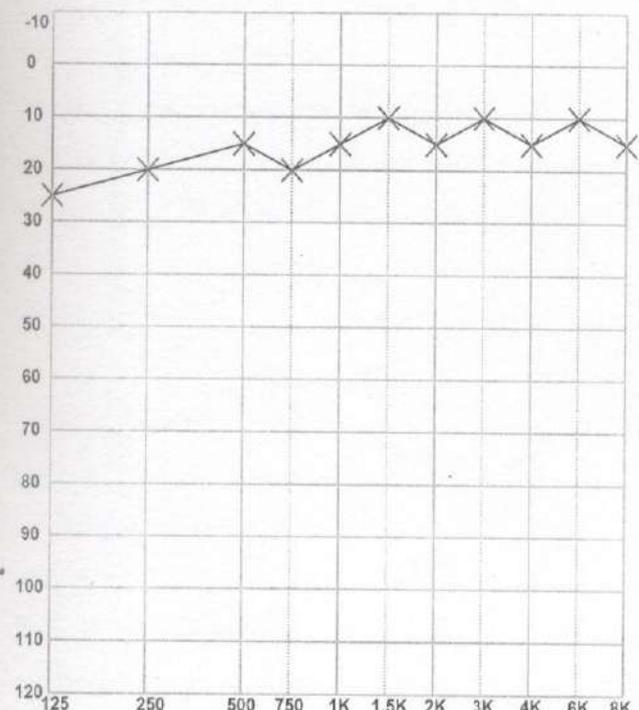
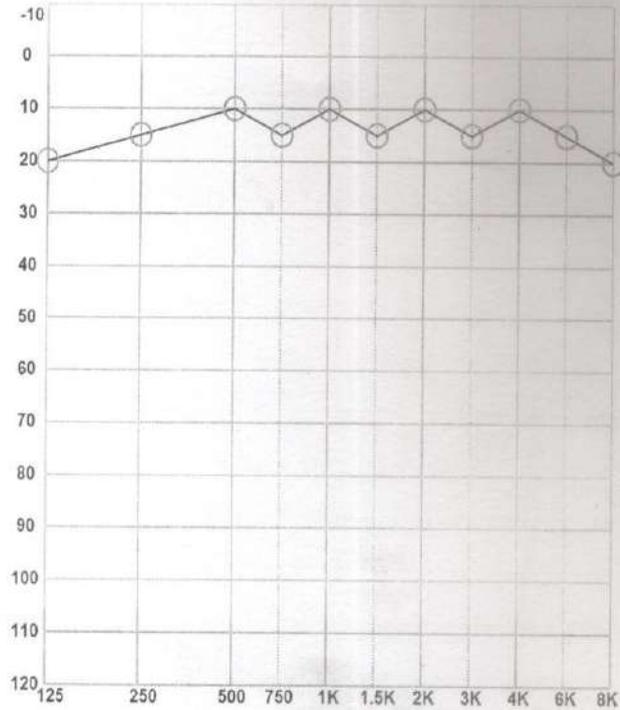
Test By : AC

Referred By :

PURE TONE

RIGHT EAR

LEFT EAR



	125	250	500	750	1K	1.5K	2K	3K	4K	6K	8K	
R	20	15	10	15	10	15	10	15	10	15	20	Air
R(M)												Air/Masked
BCR												Bone
PTA(R) = 10												Bone/Masked
PTR-M(R) =												MCL
PTA-BCM(R) =												UCL
L	25	20	15	20	15	10	15	10	15	10	15	Free Field
L(M)												FF Aided
BCL												Binaural
PTA(L) = 15												No Response
PTR-M(L) =												
PTA-BCM(L) =												

AUDIOLOGICAL DIAGNOSIS :- *ou*

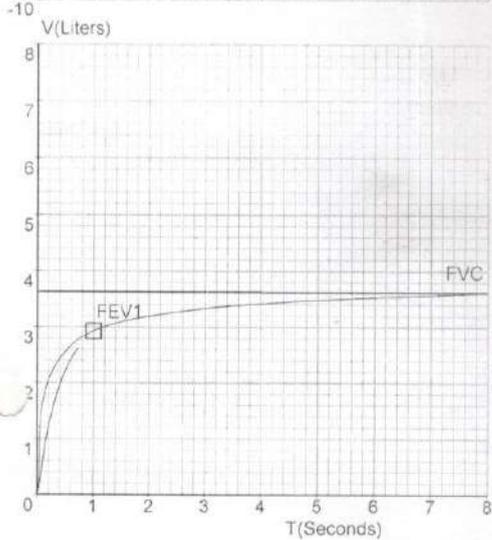
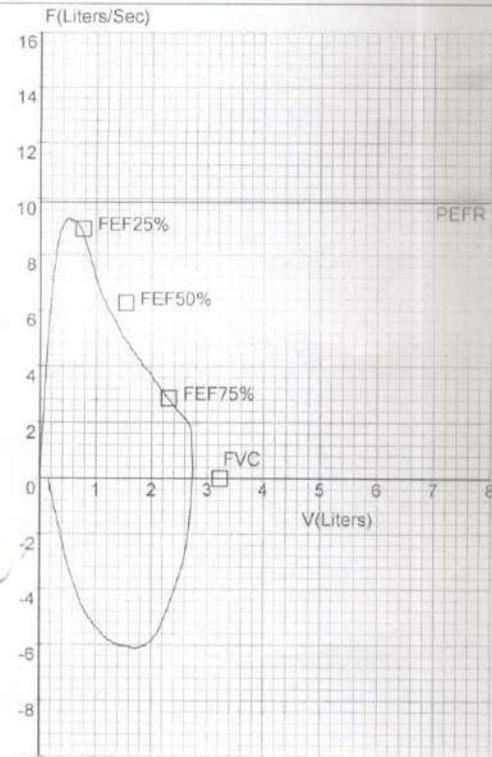
Dr. R.K.AGRawal
 M.B.B.S. -M.S.
 Reg. no. -CGMC-4415/2014
 Raigarh ortho and General Hospital

Clarity

09789798 - MR. SANJIV KUMAR MISHRA
45 Years / Male / Ht 167 Cms / 72 Kgs / Non-Smoker

FVC TEST
Date: 07-09-2024 (T1)

Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : NONE

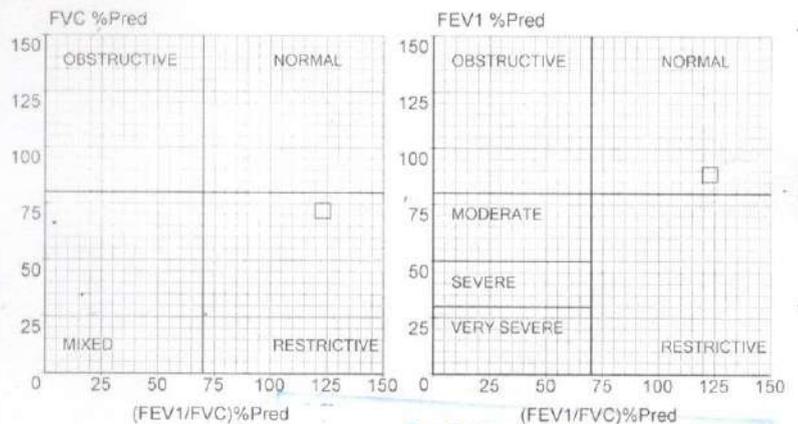


Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.23	2.32	72	--	--
FEV1	[L]	2.61	2.31	89	--	--
FEV.5	[L]	--	2.14	--	--	--
FEV3	[L]	3.13	--	--	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	8.46	7.98	94	--	--
FEF25-75	[L/s]	3.66	4.93	135	--	--
FEF75-85	[L/s]	--	2.74	--	--	--
FEF.2-1.2	[L/s]	6.40	6.38	100	--	--
FEF25%	[L/s]	7.68	8.94	116	--	--
FEF50%	[L/s]	5.39	5.04	93	--	--
FEF75%	[L/s]	2.47	3.09	125	--	--
FEV.5/FVC	[%]	--	92.18	--	--	--
FEV1/FVC	[%]	80.65	99.34	123	--	--
FEV3/FVC	[%]	97.00	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--
FET	[S]	--	0.60	--	--	--
ExpTime	[S]	--	0.07	--	--	--
LungAge	[Y]	45.00	50.00	111	--	--
FIVC	[L]	--	2.23	--	--	--
PIFR	[L/s]	--	5.27	--	--	--
FIF25%	[L/s]	--	9.15	--	--	--
FIF50%	[L/s]	--	5.98	--	--	--
FIF75%	[L/s]	--	3.85	--	--	--
FIV.5	[L]	--	1.93	--	--	--
FIV1	[L]	--	--	--	--	--
FIV3	[L]	--	--	--	--	--
FIV.5/FIVC	[%]	--	86.55	--	--	--
FIV1/FIVC	[%]	--	--	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--

- Pre Medication Report :
Spirometry shows Mild Restriction as FVC% < 80 And FEV1/FVC% > 70

- Pre COPD Severity Report:
Pre Test within Normal range

- Doctor's Comments : *OK*



Dr. R.KAGRAWAL
M.B.B.S.-M.S.
Reg. no. -CGMC-4415/2012
Raigarh ortho and General Hospital

NONE
NA

REPORT

Pt Name: MR SANJIV KUMAR MISHRA Age/Sex 45: YR/M

Ref by:- DR. SELF

DATE: 7/9/ 2024

REAL TIME ULTRASONOGRAPHY OF ABDOMEN

Liver: Normal in size and echotexture. No e/o cystic lesion present right lobe of liver.

Portal vein and portal radicals are normal.
CBD and Intrahepatic biliary are normal.

GB: well distended. Wall thickness normal. calculi present.

Pancreas: normal in size and echo texture.

No e/o calcification/ductal dilatation seen.

No e/o focal solid/cystic lesion present.

Spleen: normal in size and echo texture.

No e/o focal solid/cystic lesion present

Right Kidney: Normal in size and echo texture. Sinus echoes appear normal.

Left Kidney: Normal in size and echo texture. Sinus echoes appear normal.

No cystic lesion present.

NO e/o calculi / hydronephrosis present.

Urinary bladder: distended, wall thickened. No calculi seen. 100ML residual urine seen

PROSTATE AND SEMINAL VESICLES ARE NORMAL

No e/o pre/Para aortic lymphadenopathy present.

NO e/o right sided plural effusion present. Mild fluid in peritoneal cavity seen

RIF: normal,

IMPRESSION :- NORMAL FINDINGS

POSSIBILITY OF APD TO BE ENTERTAINED

(This is professional opinion. please correlate with other necessary investigation, clinical examination and operative details for further evaluation.)


Dr. B.P. Patel
Ganga Nursing Home
Jagatpur, Raigarh

Dr. B.P.Patel Ultra Diagnostic Centre, Raigarh (C.G) गर्भस्थ कन्या भ्रूण की जाँच एवं हत्या दण्डनीय अपराध है।

SPIRAL CT SCAN DIGITAL X-RAY ULTRASOUND COLOUR DOPPLER 3-D SONOGRAPHY OPG LITHOTRIPSY

This is only a professional opinion & not the diagnosis. Findings should be co-related clinically. Not for medico legal Purpose.

RAIGARH ORTHO AND GENERAL HOSPITAL

IN FRONT OF CARMEL SCHOOL, RAIGARH C.G. 496001

Hospital- 9329927101, 9329927102, 7745966882 Lab- 9329927105, 8976385355

UHID 2024RG24083	OPD No : 20240907/00005	Date :07-09-2024 11:20:35 AM
Patient Name : Mr. Sanjiv Kumar Mishra		Age:45 Yrs./Sex : Male
Consultant : Dr. Aharnish Agrawal		Mobile : 9993557060
Address :Singhal Enterprises Pvt Ltd		Amount : Rs. 80 /-

X- RAY CHEST PA VIEW

OBSERVATION :

Bilateral lung fields are clear .

Trachea and mediastinum are central.

Heart size and contour is normal .Cardio thoracic radio is within normal limits.

Costo phrenic angles appear sharp and clear.

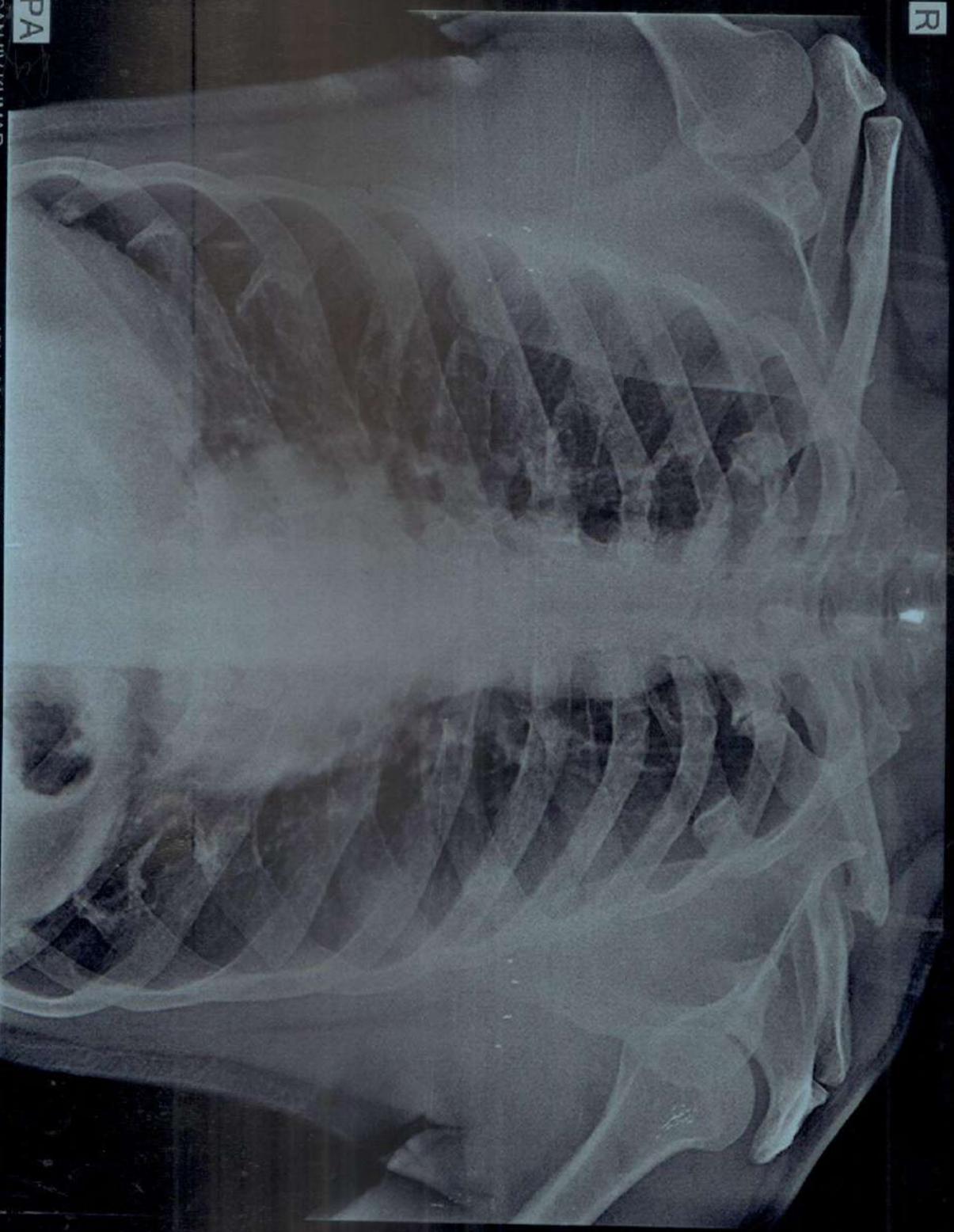
Both domes of diaphragm are clearly visualized.

OPINION: *WNL*

Suggest: Clinical Correlation.

Dr. R.KAGRAWAL
M.B.B.S.-M.S.
Reg. no. -CGMC 4416/2012
Raigarh ortho and General Hospital
CONSULTANT DOCTOR

R



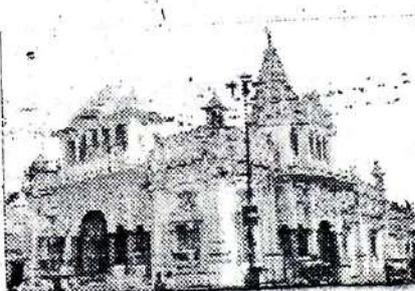
PA

SANJIV KUMAR
DR. AHARNISH AGRAWAL (M.B.B.S.) (D. ORTHO)
45Y Male 07/09/2024

(NOT FOR MEDICO LEGAL)



PHOTOGRAPHS SHOWING OCCUP.HEALTH CENTER
SALASAR STEEL & POWER LTD.
Vill : Gerwani : Dist : Raigarh (C.G.)



केलो प्रवाह

रायगढ़

रायगढ़, बुधवार 28 जुलाई 2010 | केलो प्रवाह

15

र के खिलाफ

में दिया जाएगा प्रशिक्षण

रायगढ़ (27 जुलाई)। स्वर्ण जयंती शहरी रोजगार योजनांतर्गत वर्ष 2010-2011 के लिये शासन से प्राप्त दिशा निर्देशानुसार शहर के गरीबी रेखा से नीचे जीवन यापन करने वाले हितग्राहियों जिनकी आयु 18 वर्ष से 25 वर्ष के बीच हो शैक्षणिक योग्यता 0 से 09 वीं तक उत्तीर्ण होने के लिये छत्तीसगढ़ निर्माण अकादमी रायपुर (छ.ग.) के माध्यम से स्थानीय मिट्टमूड़ा सामुदायिक भवन में प्रशिक्षण दिया जाना है।

प्रशिक्षण का व्यवसाय सेंटिंग कापेंटिंग होगा, प्रशिक्षण की अवधि 02 माह की होगी प्रशिक्षणार्थियों को प्रति माह 700/- के मान से शिष्यावृत्ति कुल 1400/- रुपये दिया जावेगा। प्रशिक्षण प्रारंभ 28-7-10 से होगा। रायगढ़ नगरीय क्षेत्र में गरीबी रेखा से नीचे जीवन यापन करने वाले इच्छुक हितग्राही कार्यालयीन समय में नगर पालिक निगम के स्वर्ण जयंती शहरी रोजगार कक्ष से संपर्क कर सकते हैं।

छाल (27 जुलाई)। शासकीय प्राथमिक शाला कोदवारीपाड़ा (बोजिया) में पदस्थ प्रधान पाठक विनय कुमार चौबे के साथ छ.ग.ग्रामीण बैंक शाखा छाल के कैशियर सालिक राम पटेल द्वारा गत दिवस किये गये अशोभनीय व्यवहार की संवेत स्वर में निंदा करते हुए 27 जुलाई को संकुल केन्द्र बोजिया में एक आपात कालीन संयुक्त बैठक का आयोजन कर समस्त शिक्षकों द्वारा निंदा प्रस्ताव पारित कर अपना आक्रोश प्रकट किया गया।

निंदा प्रस्ताव की प्रति अध्यक्ष छ.ग.ग्र.बैंक महाप्रबंधक रायपुर प्रबंधक (प्रशासन) रायगढ़ शाखा प्रबंधक छाल अध्यक्ष तृतीय वर्ग कर्मचारी संघ रायगढ़ को प्रेषित की जायेगी।

संकुल केन्द्र बोजिया के अंतर्गत आनेवाले प्राथमिक एवं माध्यमिक विद्यालयों के शिक्षक बंधुओं सर्व श्री तरुण कुमार चन्द्रा, कैलाश कुमार

सोनी, ओमप्रकाश यादव, आर. आई.एस.राठिया, देवेन्द्र कुमार बंडलकर,

■ निंदा प्रस्ताव पारित

■ निलंबन और

स्थानांतरण की म

नायक, राम प्रसाद पटेल, हेमसागर व गुरुदास महंत, पी.पी.नागवंशी, शं. अवधराम बोर, एम.आर.राठिया, अक्षय पटेल, ननकीराम चन्द्रा, सोहनलाल पटेल भूषण डनसेना, सहित छाल क्षेत्र के समस्त शिक्षिकाओं ने उक्त घटना की निंदा।

सूचना

सर्वसाधारण को सूचित किया जाता है कि मे. सालासर स्टील एण्ड पावर लिमिटेड, 13 किमी माइल स्टोन ग्राम गेरवानी तह. व जिला- रायगढ़ में स्थापित है, को उनके क्षमता विस्तार के तहत सी.एफ.बी.सी. आधारित पावर प्लांट-65 मेगावाट एवं स्टील मेल्टिंग शाप-97000 टन। वर्ष को स्टेट लेवल इन्वायरमेंट इम्पेक्ट एससेमेंट अधारिटी द्वारा दिनांक 21.07.2010 को पर्यावरणीय स्वीकृति प्रदान की गई है। पर्यावरणीय स्वीकृति की प्रति मुख्यालय, छत्तीसगढ़ पर्यावरण संरक्षण मंडल रायपुर के पास उपलब्ध है। मंत्रालय की वेबसाइट www.envfor.nic.in एवं एस.ई.आई.ए.ए. छत्तीसगढ़ की वेबसाइट www.deiaacg.org में भी किया जा सकता है।

सशिमं में गुरु पूर्णि

रायगढ़ (27 जुलाई)। सरस्वती शिशु मंदिर लोचननगर में आषाढ़ पूर्णिमा के अवसर पर गुरु पूर्णिमा हर्षोल्लास के साथ संपन्न हुआ।

कार्यक्रम का शुभारंभ मुख्य अतिथि मनोज चक्रवर्ती एवं प्रधानाचार्य चंद्रशेखर पटेल के कर कमलों द्वारा भगवान वेदव्यास एवं मां सरस्वती के प्रतिमा में दीप प्रज्वलित कर किया गया। प्रारंभ में किशोर भारती की सांस्कृतिक प्रभारी बहिन विनिता शर्मा एवं प्रार्थना प्रमुख बहिन आस्था द्वारा समस्त गुरुजनों एवं मुख्य अतिथि का स्वागत व नमन तिलक चंदन व पुष्प गुच्छ के साथ किया गया।

किरण सिद्धा, धारणा पैकर एवं अंकुश शर्मा ने गुरु की महत्ता पर अपना विचार प्रस्तुत किया। बहिन काजल मरावी ने भी गुरु की सहानुभूति को

गीत के माध्यम से किया गया भैया सूपकार ने गुरु की महिमा न्यारी पर अप से संपूर्ण गोष्ठी को भाव विभोर कर दिये

विद्यालय के आचार्य संतोष अग्रवा शब्द की व्याख्या बहुत ही अनोखे ढंग किया, जिसे सुनकर सभी भैया-बहिन मंत्रित हुए। इसके पश्चात् आचार्य अंजनी श्री गुरु और शिष्य के मर्म पर प्रकाश डाला में श्रीमती चंद्रकला सिंह ठाकुर दीदी ने बहिनों को आशीर्वाद दी। इस प्रकार देवांगन, रीता साहू एवं श्रीमती चंद्रकला दीदी ने भी अपने विचार प्रस्तुत किये। बहिनों को आशीर्ष दिये माधुरी सिन्हा व गुरु की महिमा पर भजन सुनाकर सा

शुभारंभ- 1 जुल

डॉ. मधुमती दुबे,
स्त्री रोग विशेषज्ञ

सर्व सुविधा युक्त

ऐश्वर्या नर्सिंग

सहारनपुर फर्नीचर एक्जीबीशन कम सेल

1 जुलाई से