

Date: 31.05.2022

To

The Joint Director

Ministry of Environment, Forest & Climate Change,
Regional Office (North)
Government of India,
Bay No. 24-25, Sector - 31 A,
Chandigarh.

(Mail ids : ecompliance-nro@gov.in and ronz.chd-mef@nic.in)

Subject: Submission of six monthly report for period ending 31.03.2022 for the Steel Manufacturing Unit namely "Madhav KRG Ltd." earlier known as Madhav Alloys Pvt. Ltd. located at Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amlah, Distt. Patiala & Fatehgarh Sahib, Punjab.

Sir,

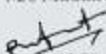
With reference to the EIA Notification & its amendments regarding submission of six monthly compliance report, we are hereby submitting the six monthly compliance report for period ending 31.03.2022 for the above said project in soft copy through mail for your perusal.

Kindly acknowledge the receipt of the same.

Thanking you.

Sincerely,

For M/s Madhav KRG Ltd.


(Authorized Signatory)

Name: Amit Kumar

Contact No.: 9115101607

Designation: Manager Regulatory

Email: legal@madhavkrggroup.com

CC to:

1. **Member Secretary**, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26, Chandigarh-160019 (Upload on Parivesh Portal)
2. **Environmental Engineer**, Punjab Pollution Control Board, Regional Office, RIMT Management College, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (mail id: ceofgs@gmail.com)

Madhav KRG Limited

(Formerly known as Madhav Alloys Ltd)

www.madhavkrggroup.com

Regd. Office: 1003, 10th Floor, Aggarwal Millennium, Tower-1,
Netaji Subhash Place, Pitampura, North West, Delhi-110058

Corp Office: 1st Fl., The Celebration Bazaar, G.T. Road, Khanna, Punjab 141401

Phone: +91-1765-500075 *E-mail:* info@madhavkrggroup.com

Works: Vill. Akalgarh, Amlah-Bhadson Road, Near Toll Plaza, Dist. Patiala-141401

2022

SIX MONTHLY COMPLIANCE REPORT

(Period ending 31.03.2022)

For

Madhav KRG Ltd.

**(Earlier known as Madhav Alloys Pvt.
Ltd.)**

**Village Akalgarh & Bhagwanpura,
Tehsil Nabha & Amloh,
Distt. Patiala & Fatehgarh Sahib, Punjab.**

Project By:

M/s Madhav KRG Ltd.

GT Road, Sirhind Side, Mandi Gobindgrah-147301

Email: info@madhavkrngroup.com

Prepared by:



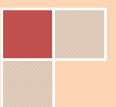
**Eco Paryavaran Laboratories and Consultants
Private Limited**

**E-207, Industrial Area, Phase-VIII B (Sector-74), Mohali (SAS Nagar),
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Ministry of Environment, Forests & Climate Change
Northern Region Office
Chandigarh-160 030

Data Sheet

| | | |
|----|---|--|
| 1. | Project Type | 3(a): Metallurgical Industries (Ferrous & Non-ferrous alloys) |
| 2. | Name of the Project | Madhav KRG Ltd. Earlier known as Madhav Alloys Pvt. Ltd. Certificate for name change of the unit is enclosed as Annexure 1 . |
| 3. | Clearance letter (s) O.M. No. & Date | Environment Clearance has been granted by Ministry of Environment and Forests, Govt. of India vide F. No. J-11011/406/2010-IA-II (I) dated 16.03.2012; copy of the same is attached along as Annexure 2(a) . Further, Environment Clearance for Expansion has been granted by SEIAA, Punjab vide Letter No. DECC/SEIAA/2020/1656 dated 20.05.2020; copy of same is attached along as Annexure 2(b) . |
| 4. | Location | M/s Madhav KRG Ltd. Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh |
| a) | District(s) | Patiala & Fatehgarh Sahib |
| b) | State(s) | Punjab |
| 5. | Address for correspondence | M/s Madhav KRG Ltd. Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab Pin code: 147203 |
| 6. | Salient features | |
| a) | Of the Project | As per the Environmental Clearance, the total area of the project after expansion is 38.03 acres (1,54,628.0241 sq.m). The production capacity of the industrial unit after expansion will becomes @ 5,25,000 TPA of Billets/ Steel Ingots by 3 Induction Furnaces of capacity 25 TPH each and 5,25,000 TPA of TMT bars/ Wire rods/ MS rounds by rolling mill. |
| b) | Of the environment | Water Requirement: As per the Environmental Clearance, total water requirement of the project is 475 KLD; out of which fresh water requirement will be 330 KLD and remaining will be met from the treated water. The domestic water demand will be 55 KLD, makeup water demand for cooling purpose will be 275 KLD and process water demand will be 145 KLD. Wastewater Generation: Industrial wastewater |

| | | |
|-----------|--|---|
| | | <p>generated from the unit is being treated in already installed ETP of capacity 150 KLD. After treatment with UF & RO, 123 KLD treated water is being reutilized as process water and 22 KLD RO reject is being utilized for onto land for plantation purposes.</p> <p>Domestic wastewater is being treated in STP of capacity 150 KLD. After treatment with RO, 22 KLD treated water is being reutilized as process water. RO reject is being utilized for onto land for plantation purposes.</p> <p>Miscellaneous: After expansion, the total power requirement for the project is estimated to be 43 MVA. 4 DG sets has been proposed of capacity 2 × 600 KVA, 1 × 550 KVA and 1 × 50 KVA.</p> |
| 7. | Break-up of the Project Area | |
| a) | Submergence area | Not applicable |
| 8. | Break up of project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/ land landless laborers/ artisans. | Not applicable |
| a) | SC/ST/ Adivasis | Not applicable |
| b) | Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. if a survey has been carried out give details and year of survey) | Not applicable |
| 9. | Financial details | |
| a) | Project cost as originally planned and subsequent revised estimates and the year of price reference. | <p>Rs. 107.86 Crores (Originally Planned)</p> <p>Revised cost Rs. 138.15 Crores.</p> <p>Project cost for expansion Rs. 19.06 Crores.</p> |

| b) | Allocations made for environmental management plan with item wise and year of assessment. | <p>Allocations made for environment management plan are given below with breakup:</p> <table border="1" data-bbox="776 254 1442 1098"> <thead> <tr> <th data-bbox="776 254 1109 373">Environmental Protection Measures</th> <th data-bbox="1109 254 1256 373">Capital Cost (Rs. in lakhs)</th> <th data-bbox="1256 254 1442 373">Recurring Cost (Rs. in lakhs/year)</th> </tr> </thead> <tbody> <tr> <td data-bbox="776 373 1109 457">Air Pollution Control (Installation of APCD)</td> <td data-bbox="1109 373 1256 457">150</td> <td data-bbox="1256 373 1442 457">2</td> </tr> <tr> <td data-bbox="776 457 1109 615">Noise Pollution control (including cost of landscaping and green belt)</td> <td data-bbox="1109 457 1256 615">10</td> <td data-bbox="1256 457 1442 615">1.5</td> </tr> <tr> <td data-bbox="776 615 1109 657">Solid Waste management</td> <td data-bbox="1109 615 1256 657">12</td> <td data-bbox="1256 615 1442 657">1</td> </tr> <tr> <td data-bbox="776 657 1109 741">Water pollution control (STP, ETP and RO)</td> <td data-bbox="1109 657 1256 741">2</td> <td data-bbox="1256 657 1442 741">2</td> </tr> <tr> <td data-bbox="776 741 1109 825">Environment monitoring and management</td> <td data-bbox="1109 741 1256 825">3</td> <td data-bbox="1256 741 1442 825">5</td> </tr> <tr> <td data-bbox="776 825 1109 909">Health, safety and risk assessment</td> <td data-bbox="1109 825 1256 909">3</td> <td data-bbox="1256 825 1442 909">0.5</td> </tr> <tr> <td data-bbox="776 909 1109 1014">Rain water recharging outside the project premises</td> <td data-bbox="1109 909 1256 1014">10</td> <td data-bbox="1256 909 1442 1014">2</td> </tr> <tr> <td data-bbox="776 1014 1109 1056">Miscellaneous</td> <td data-bbox="1109 1014 1256 1056">1</td> <td data-bbox="1256 1014 1442 1056">0.5</td> </tr> <tr> <td data-bbox="776 1056 1109 1098">Total</td> <td data-bbox="1109 1056 1256 1098">191</td> <td data-bbox="1256 1056 1442 1098">14.5</td> </tr> </tbody> </table> | Environmental Protection Measures | Capital Cost (Rs. in lakhs) | Recurring Cost (Rs. in lakhs/year) | Air Pollution Control (Installation of APCD) | 150 | 2 | Noise Pollution control (including cost of landscaping and green belt) | 10 | 1.5 | Solid Waste management | 12 | 1 | Water pollution control (STP, ETP and RO) | 2 | 2 | Environment monitoring and management | 3 | 5 | Health, safety and risk assessment | 3 | 0.5 | Rain water recharging outside the project premises | 10 | 2 | Miscellaneous | 1 | 0.5 | Total | 191 | 14.5 |
|--|--|--|--|------------------------------------|---|--|-----------------------|----------|--|----------|--------------|------------------------|----|---|---|---|---|---------------------------------------|---|---|------------------------------------|---|-----|--|----|---|---------------|---|-----|--------------|------------|-------------|
| Environmental Protection Measures | Capital Cost (Rs. in lakhs) | Recurring Cost (Rs. in lakhs/year) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Air Pollution Control (Installation of APCD) | 150 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Noise Pollution control (including cost of landscaping and green belt) | 10 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solid Waste management | 12 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water pollution control (STP, ETP and RO) | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environment monitoring and management | 3 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Health, safety and risk assessment | 3 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rain water recharging outside the project premises | 10 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Miscellaneous | 1 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 191 | 14.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) | Benefit cost ratio/ Internal rate of return and year of assessment. | Will be calculated and submitted. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d) | Whether (c) includes the cost of environmental management as shown in (b) above. | Yes, the cost benefit ratio will be worked out considering the cost of environment management. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e) | Actual expenditure incurred on the project so far. | All the expenditure has been done on the project as per EC letter. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f) | Actual expenditure incurred on the environmental management plans so far. | <p>All the expenditure has been done on Environment Management plan. Only regular maintenance is being done. The details of the amount spent on EMP from 1st October, 2021 to 31st March, 2022 is given below:</p> <table border="1" data-bbox="776 1549 1442 1787"> <thead> <tr> <th data-bbox="776 1549 1179 1633">Details</th> <th data-bbox="1179 1549 1442 1633">Recurring cost (in Rs.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="776 1633 1179 1675">Effluent treatment plant (ETP)</td> <td data-bbox="1179 1633 1442 1675">4,08,840</td> </tr> <tr> <td data-bbox="776 1675 1179 1717">Greenbelt development</td> <td data-bbox="1179 1675 1442 1717">1,35,000</td> </tr> <tr> <td data-bbox="776 1717 1179 1759">Sewage Treatment Plant (STP)</td> <td data-bbox="1179 1717 1442 1759">4,12,015</td> </tr> <tr> <td data-bbox="776 1759 1179 1787">Total</td> <td data-bbox="1179 1759 1442 1787">955,855</td> </tr> </tbody> </table> | Details | Recurring cost (in Rs.) | Effluent treatment plant (ETP) | 4,08,840 | Greenbelt development | 1,35,000 | Sewage Treatment Plant (STP) | 4,12,015 | Total | 955,855 | | | | | | | | | | | | | | | | | | | | |
| Details | Recurring cost (in Rs.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Effluent treatment plant (ETP) | 4,08,840 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Greenbelt development | 1,35,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sewage Treatment Plant (STP) | 4,12,015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 955,855 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | Forest lands requirement: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a) | The status of approval for diversion of forest land for non forestry use. | NOC has been obtained regarding diversion of forest land; copy of the same is enclosed as Annexure 3 . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) | The status of clear felling. | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c) | The status of compensatory a | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | forestation programmer in the light of actual field experience so far. | |
| 11. | The status of clear felling in non forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information. | Not applicable |
| 12. | Status of construction | Project is fully operational. |
| a) | Date of commencement (actual and/or planned). | The unit is already operational and expansion has been initiated since 1 st June, 2020. |
| b) | Date of completion (actual and/ or planned). | June, 2021 |
| 13. | Reasons for the delay if the project is yet to start: | Not applicable |

**Compliance Report on conditions imposed in Environmental Clearance for period ending
31.03.2022**

Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills

I. Statutory compliance:

| S. No. | Compliance conditions | Reply |
|---------------|--|---|
| i. | The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. | NOC has been obtained regarding diversion of forest land; copy of the same is enclosed as Annexure 3 . |
| ii. | The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. | Bir Bhadson Wildlife Sanctuary falls within the 10 km study area of the project. But, NBWL permission is not required, as the project falls outside of the Eco-sensitive zone of the Bir Bhadson Wildlife Sanctuary. Notification of Bir Bhadson Wildlife Sanctuary mentioning the eco-sensitive zone is enclosed as Annexure 4(a) . |
| iii. | The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report, (in case of the presence of schedule-I species in the study area). | Site-Specific Conservation Plan & Wildlife Management Plan has already been submitted with previous six monthly compliance report. Approval of Wildlife conservation plan has been obtained; copy of the same is enclosed as Annexure 4(b) . |
| iv. | The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee. | Consent to Operate has been obtained from PPCB for increased production capacity w.r.t. EC granted; copy of the same is enclosed as Annexure 5(a) . |
| v. | The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of withdrawal of ground water from the competent authority concerned in case of drawl of surface water required for the project. | CGWA NOC has been granted for fresh water requirement of 220 m ³ /day. For expansion, the fresh water requirement of the project has been revised and become 330 m ³ /day. Thus, application has been filed to CGWA for water demand of 330 |

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| | | m ³ /day. But, as per the latest Notification, CGWA is not processing the ground water applications for Punjab state. Thus, fresh application will be submitted to Punjab Water Regulation & Development Authority (PWRDA) for grant of NOC regarding ground water abstraction. |
| vi. | The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time. | Authorization of Hazardous waste has been obtained from PPCB; copy of the same is enclosed as Annexure 5(b) . |
| vii. | The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the CPCB/CPCB/MoEF&CC for such type of units. | Company is being complying all the siting criteria, standard operating practices, code of practice and guidelines as prescribed by the CPCB/PPCB/MoEF&CC for such type of units. |
| viii. | The project proponent shall comply with the conditions imposed by District Town Planner, Patiala vide Memo No. 923 DTP(P)/A-31(P) dated 14.06.2010 dated 14.06.2010 for an area of 17.96 acres and DTP Fatehgarh Sahib vide memo no. 758-DTP(FGS)/NG-62 dated 21.06.2010 for an area of 8.13 acres and Urban Development Department vide Ref no. PBIP/1805492489 dated 08.01.2019 for an area of 15.854 acres. | The conditions imposed by the District Town Planner is being complied. |

II. Air quality monitoring and preservation:

| S. No. | Compliance conditions | Reply |
|--------|---|---|
| i. | The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 vide G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) | Continuous emission monitoring system has been installed to monitor stack emission with respect to standards. Photographs showing the same are enclosed as Annexure 6 . Further, stack monitoring has been done by NABL accredited laboratory; copy of the test reports is enclosed as Annexure 7 . |

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| | Act, 1986 or NABL accredited laboratories. | |
| ii. | The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. | Work zone monitoring has been done on quarterly basis for fugitive emissions by NABL accredited laboratory. Test report of the same is enclosed as Annexure 7 . |
| iii. | The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/ criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous). | Regular ambient air monitoring has been done on quarterly basis by NABL accredited laboratory. Recent Test reports are attached along as Annexure 7 . |
| iv. | The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report. | Six monthly compliance report has been submitted regularly to Regional Office of MoEF&CC, Chandigarh, and Regional Office of PPCB along with the test reports on half yearly basis. Acknowledgement of submission of previous six monthly compliance report for period ending 30.09.2021 is enclosed as Annexure 8(a) . |
| v. | Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources. | Fugitive emissions are minimal as dog house suction hood and bag house filter has been provided as APCD and installed mechanical feeding system for the induction furnace. Fugitive emissions are very less during the feeding and that too temporary in nature for which proper exhaust systems have been provided. |
| vi. | The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags. | Agreed. Leakage detection and mechanized bag cleaning facilities for has been provided for maintenance of bags. |
| vii. | Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly. | Adequate number of vacuum cleaners have been provided to clean road, shop floors, roofs etc. provided within the project premises on regular basis. |

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| viii. | Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration. | APCD dust generated from the air pollution control device is being used for extraction of zinc within the industrial premises. |
| ix. | The project proponent shall use leak proof trucks/ dumpers carrying coal and other raw materials and cover them with tarpaulin. | Covered trucks are being used to carry the raw materials. |
| x. | The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc. | Scrap is being kept in the covered sheds only. |
| xi. | The project proponent shall provide primary and secondary fume extraction system at all melting furnaces. | Agreed. All melting furnaces are provided with primary and secondary fume extraction system. |
| xii. | Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars. | Agreed. |

III. Water quality monitoring and preservation

| S. No. | Compliance conditions | Reply |
|--------|--|---|
| i. | The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (case to case basis small plants: Manual; Large plants: Continuous) | Process of installation of Continuous effluent monitoring system within the project premises has been initiated. Further, monitoring of ETP inlet and outlet sample has been done on quarterly basis by NABL accredited laboratory. Test reports of ETP inlet and outlet are attached along as Annexure 7. |
| ii. | The project proponent shall monitor regularly ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories. | Monitoring of ground water has been done on quarterly basis by NABL accredited laboratory. Test reports of ground water are attached along as Annexure 7. |
| iii. | The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent | Six monthly compliance report has been submitted regularly to Regional Office of MoEF&CC, Chandigarh, |

| | | |
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| | testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report. | and Regional Office of PPCB along with the test reports on quarterly basis. Acknowledgement of submission of previous six monthly compliance report for period ending 30.09.2021 is enclosed as Annexure 8(a) . Further, six monthly compliance has been uploaded on web portal of MoEF&CC (Parivesh); screenshot showing the same is enclosed as Annexure 8(b) . |
| iv. | Adhere to 'Zero Liquid Discharge'. | Domestic wastewater generated from the unit is being treated in the STP installed and industrial effluent generated from the unit is being treated in the ETP installed within project. Treated water is being reused within the project onto green area for horticulture purpose. Thus, the industry adhere to zero liquid discharge. |
| v. | Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards. | STP of capacity 150 KLD has been installed within the project premises. Test reports of STP inlet and outlet are attached along as Annexure 7 . |
| vi. | The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31 st March 2012 (applicable to IF/EAF) as amended from time to time. | ETP of capacity 150 KLD has been installed within the project premises. Test reports of ETP inlet and outlet are attached along as Annexure 7 . |
| vii. | Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off. | Proper drainage system has been provided within the project premises to collect the run-off. |
| viii. | The project proponent shall practice rainwater harvesting to maximum possible extent i.e. pond location in the village Dargapur, Ramgarh, Ghundar and Chahal shall be adopted with rainwater recharging after desilting @ 276,196.5 m ³ /annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will | Ponds have been adopted regarding rain water recharging outside of the project premises. Pond located in the Village Ghundar has been cleaned based on the Sant Seechewal Model. Photographs of the pond showing the implementation of Sant Seechewal Model is enclosed as Annexure 9 . Approx. Rs. 14.4 lakhs has been spent on pond cleaning & maintenance activity. |

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| | ultimately lead to purification of water and collected into pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields. | |
| ix. | The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water. | Water consumption has been kept minimum. In addition to this, treated water from ETP & STP is being reused as process water and RO reject is being reused onto land for horticulture purposes. |

IV. Noise monitoring and prevention

| S. No. | Compliance conditions | Reply |
|--------|---|---|
| i. | Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report. | Monitoring of noise has been done on quarterly basis by NABL accredited laboratory and results are being submitted with six monthly compliance reports. |
| ii. | The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time. | Monitoring of noise has been done on quarterly basis by NABL accredited laboratory and results are found within the permissible limit. Test report is enclosed as Annexure 7 . |

V. Energy Conservation measures

| S. No. | Compliance conditions | Reply |
|--------|---|---|
| i. | The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at flue gases of reheating furnaces. | Agreed. |
| ii. | Practice hot charging of slabs and billets/blooms as far as possible. | Agreed. |
| iii. | Ensure installation of regenerative type burners on all reheating furnaces. | Agreed. |
| iv. | Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly. | Solar energy is used for common area lighting. Solar power plant of capacity 1.8 MW has been installed in order to conserve energy. |
| v. | Provide the project proponent for LED lights in their offices and residential areas | LED lights have been provided in offices and sheds within project premises. |

VI. Waste Management

| S. No. | Compliance conditions | Reply |
|--------|--|--|
| i. | Used refractories shall be recycled as far as possible. | Agreed. |
| ii. | Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused melting Furnaces. | Agreed. |
| iii. | 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office. | Agreed. Slag is generated from the unit which is given to Tiles/Block manufacturing unit for co-processing after metal recovery. |
| iv. | The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016. | Recovery of zinc metal is being done from the APCD dust and later on given to M/s Nimbua Greenfield (Punjab) Ltd. for disposal. In addition to this, agreements have been done with M/s BRS Lubricants & JBR Technologies Ltd. regarding the disposal of other categories of hazardous waste; copy of the agreements done are attached along as Annexure 10 . |

VII. Green Belt

| S. No. | Compliance conditions | Reply |
|--------|--|---|
| i. | Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery shall be provided with green belt by removing the unwanted/non-productive structures already provided in the existing project near the boundary wall. | Adequate green area has been provided within the project premises. Photographs showing the green belt provided is enclosed as Annexure 6 . |
| ii. | The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation. | Agreed. |

VIII. Public Hearing and Human Health issues

| S. No. | Compliance conditions | Reply |
|--------|--|--|
| i. | Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented. | Emergency preparedness plan is being implemented based on the Hazard identified and Risk Assessment (HIRA) and Disaster Management Plan. |

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| ii. | The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act. | OHC has been provided and regular health check-up facility is being done. Further, Personal Protection Equipment (PPE) has been provided to workers for safety. |
| iii. | 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. | Not applicable, as construction work already completed. |
| iv. | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. | Regular health check-up of the workers is being done. Recent medical records of the workers are enclosed as Annexure 11 . |
| v. | The project proponent shall carry out the activities and spent an amount as committed during the Public Hearing and give preference to the local person as per the qualification to be employed in the expansion project. | The commitments made during public hearing has been implemented. |

IX. Corporate Environment Responsibility

| S. No. | Compliance conditions | | | | Reply | | | | | | | | | | | | | | | | | | | | |
|--------|--|--|--|-------------------|--------|------------|--|--|-------------------|----|--|--|--|--|--|--|----------|--------|----------|--|------------------|----------|--------|----------|---|
| i. | <p>The project proponent shall comply with the provisions contained in this Ministry's O vide F. No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending atleast minimum amount of 25 lacs towards CER activities:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Activities</th> <th>Total Expenditure in 1 year (in lakhs)</th> <th>Timeline (Starting from date of grant of EC)</th> <th>Total Expenditure</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td colspan="4">Wildlife conservation plan (Already Paid)</td> </tr> <tr> <td></td> <td>Planting of fruit bearing species including watch and ward for 5 years @ 4.50 lakhs per hectare (2 ha)</td> <td>1,80,000</td> <td>5 year</td> <td>9,00,000</td> </tr> <tr> <td></td> <td>Provision of one</td> <td>6,00,000</td> <td>1 year</td> <td>6,00,000</td> </tr> </tbody> </table> | | | | S. No. | Activities | Total Expenditure in 1 year (in lakhs) | Timeline (Starting from date of grant of EC) | Total Expenditure | 1. | Wildlife conservation plan (Already Paid) | | | | | Planting of fruit bearing species including watch and ward for 5 years @ 4.50 lakhs per hectare (2 ha) | 1,80,000 | 5 year | 9,00,000 | | Provision of one | 6,00,000 | 1 year | 6,00,000 | The details of the CER activities done so far along with the amount spent is enclosed as Annexure 12 . |
| S. No. | Activities | Total Expenditure in 1 year (in lakhs) | Timeline (Starting from date of grant of EC) | Total Expenditure | | | | | | | | | | | | | | | | | | | | | |
| 1. | Wildlife conservation plan (Already Paid) | | | | | | | | | | | | | | | | | | | | | | | | |
| | Planting of fruit bearing species including watch and ward for 5 years @ 4.50 lakhs per hectare (2 ha) | 1,80,000 | 5 year | 9,00,000 | | | | | | | | | | | | | | | | | | | | | |
| | Provision of one | 6,00,000 | 1 year | 6,00,000 | | | | | | | | | | | | | | | | | | | | | |

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| | patrolling vehicle for the officer to patrol the study area | | | |
| | Public awareness and wildlife education activities | 50,000 | 1 year | 50,000 |
| | Fuel for vehicle @ 100 liter per month for first year and maintenance | 1,00,000 | 1 year | 1,00,000 |
| | Contingency/ General | 50,000 | 1 year | 50,000 |
| 2. | Awareness to local famers | | | |
| | Providing awareness programs on use and make of DESI MANURE from cow dung | 1,00,000 | 1 year | 1,00,000 |
| | Awareness programs on modern approaches of soil fertility evaluation and fertilizer recommendation | 50,000 | 2 years | 1,00,000 |
| 3. | Education | | | |
| | Providing scholarship to the needy students of Akalgarh Sarkari School and Nurpura Govt. School | 2,00,000 | 1 year | 2,00,000 |
| | Providing basic needs such as books, dresses etc. to the students of Akalgarh Sarkari School and Nurpura Govt. School | 1,50,000 | 1 year | 1,50,000 |
| 4. | Heath | | | |

| | | | | | |
|------|--|----------------------|--------|----------------------|---|
| | Organizing medical camps & blood donation in surroundings villages of Akalgarh & Bhagwanpura | 50,000 | 5 year | 2,50,000 | |
| | Total | Rs. 15,30,000 | | Rs. 25,00,000 | |
| | <p>However, CER activities shall strictly be in accordance with the activities listed out in the OM dated 01.05.2018 and as per the proposal submitted by the project proponent. The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.</p> | | | | |
| ii. | <p>The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.</p> | | | | <p>EHS Policy of company stating the environment protection measures are attached as Annexure 13.</p> |
| iii. | <p>A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.</p> | | | | <p>Environmental Management Cell has been constituted. Details of EMC is enclosed as Annexure 14.</p> |
| iv. | <p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend minimum amount of Rs. 191 lakhs towards capital cost and Rs. 14.5 lakhs per annum towards recurring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent. Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six Monthly</p> | | | | <p>Agreed. The entire cost of the environmental management plan is borne by the company and details of the expenditure done is being mentioned in six monthly compliance report submitted to RO, MoEF&CC.</p> |

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| | Compliance Report. | |
| v. | Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional along with Six Monthly Compliance Report. | Agreed. |
| vi. | Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out. | Agreed. |
| vii. | All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented. | Agreed. |

X. Validity

| S. No. | Compliance conditions | Reply |
|--------|--|--|
| i. | This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier. | Environment Clearance for expansion has been granted by SEIAA, Punjab vide Letter No. DECC/SEIAA/ 2020/1656 dated 20.05.2020 and same is valid till 19.05.2027 as per the EIA Notification & its amendments. |

XI. Miscellaneous

| S. No. | Compliance conditions | Reply |
|--------|---|---|
| i. | The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently. | Advertisement has been published in the newspaper regarding the grant of EC. The details of the same have already been submitted with previous six monthly compliance report. However, copy of the same is again enclosed as Annexure 15 . Further, Environmental Clearance letter has been uploaded along with the previously submitted six monthly compliance reports on the company's website. Screenshot showing the same is attached along as Annexure 16 . |
| ii. | The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. | Copy of Environment Clearance letter was submitted to DC Office, Zila Parishad, MC and other concerned Offices. |
| iii. | The project proponent shall upload the status of | Environmental Clearance letter |

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| | compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. | has been uploaded along with the previously submitted six monthly compliance reports on company's website. Screenshot showing the same is attached along as Annexure 16. |
| iv. | The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company. | Environmental Clearance letter has been uploaded along with the previously submitted six monthly compliance reports on company's website. Screenshot showing the same is attached along as Annexure 16. |
| v. | The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal. | Six monthly compliance report is being submitted to the Regional Office, MoEF&CC and RO, PPCB. Acknowledgement of submission of previous six monthly report for period ending 30.09.2021 is enclosed as Annexure 8(a). Also, six monthly compliance report for period ending 30.09.2021 has been uploaded on the website of Ministry of Environment, Forest & Climate Change at environment clearance portal; screenshot showing the same is enclosed as Annexure 8(b). |
| vi. | The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company. | Environment statement of every financial year in Form-V has been submitted to RO, PPCB. |
| vii. | The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project. | Consent to Operate has been obtained from PPCB for increased production capacity w.r.t. EC granted; copy of the same is enclosed as Annexure 5(a). |
| viii. | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. | Stipulations made by the Punjab Pollution Control Board and State Government are being strictly followed. |

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| ix. | The project proponent shall abide by all the commitments and recommendations made in the EIA/ EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee. | Agreed. |
| x. | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/ SEIAA, Punjab. | Agreed. If any changes or further expansion will be done, then fresh application will be filed to SEIAA, Punjab. |
| xi. | Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986. | Agreed. |
| xii. | The Ministry/ SEIAA, Punjab may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. | Agreed. |
| xiii. | The Ministry/ SEIAA, Punjab reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. | Agreed. |
| xiv. | The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports. | Agreed. Full cooperation will be extended to the officer of the Regional Office and PPCB by furnishing the requisite data/ information/ monitoring reports. |
| xv. | The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter. | Agreed. |
| xvi. | Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010. | Not applicable as 30 days' time period was over and no appeal was made. |

XII. Additional Specific Conditions:

| S. No. | Compliance conditions | Reply |
|---------------|--|--|
| i. | The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/ MoEF&CC for such type of units. | Minimum water is being consumed in the plant, as effective water consumption techniques is being implemented. Treated water from ETP & STP is being reused as process water and RO reject is being reused onto land for horticulture purposes. |
| ii. | The project proponent shall provide STP for treatment of wastewater & reutilization of the treated water for core/ non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09.08.2018 issued by the MoEF&CC for such units. | Treated water from ETP & STP is being reused as process water and RO reject is being reused onto land for horticulture purposes. |
| iii. | The project proponent shall reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse. | Agreed. |
| iv. | A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately and water sprinkling system be put in place so as to prevent dust pollution. | Regular sprinkling is being practiced at loading/un-loading areas to prevent dust emissions. |
| v. | The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and unloading of vehicles for respective activities and minimum/ maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan. | Adequate parking and loading/unloading areas have been earmarked for vehicles carrying raw materials, final products, slag and hazardous waste. Further, separate sheds have been provide for storage purpose as per the layout plan. |
| vi. | The project proponent shall comply with the standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/ MoEF&CC. | Agreed. |
| vii. | Whole of the vehicle movement area as well as approach road to the gate/ weighing bridge shall | The entire movement area and approach road is metalled to |

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| | be paved with pucca/ metalled/ cement concrete road to control the dust emissions expected from the vehicle movement. | reduce the dust pollution. |
| viii. | The vehicles to be used for loading/ unloading purpose shall not be parked along roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same. | Adequate parking area is available for the staff and loading/ unloading of the vehicles carrying raw material or final products. No traffic congestion takes place. |
| ix. | The project proponent shall adopt green technologies to conserve the water and energy including shearing/ cutting/ bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks. | Agreed. |
| x. | The project proponent shall use natural gas (if available) as substitute fuel whenever possible in the existing industry/ for expansion project. | Natural gas will be utilized to the maximum extent whenever possible |
| xi. | The project proponent shall take necessary action w.r.t. the following: a) Recovery of iron from slag before disposing it off. b) Identify the areas for utilization of slag in scientific manner and its usage in cement/ construction industry/ road laying etc. c) Recovery of precious metals like zinc, lead and iron etc. form the APCD dust (Hazardous waste) through authorized re-processor. | Agreed. a) 30 TPD of metal is being recovered from slag. b) The remaining slag is crushed and given to cement plants for co-processing. c) Recovery of zinc metal is being done from the APCD dust and later on given to M/s Nimbua Greenfield (Punjab) Ltd. for disposal. |
| xii. | The project proponent shall install the hollow blocks & interlock pavers manufacturing unit of capacity 300 TPD to utilize the 65 TPD slag generated from their unit as raw material along with other ingredient and commission the same within one year. | 30 TPD of metal is being recovered from slag. The remaining slag is crushed and given to cement plants for co-processing. |
| xiii. | The project proponent shall install the borewell for the abstraction of ground water under Nabha Block only, which is non-notified over exploited zone and will not abstract ground water from Amluh block which is notified over exploited zone. | Bore well has already been installed falls in Nabha Block. |
| xiv. | The project proponent shall install 02 no. low cost instruments within the premises and monitor Continuous/ Real time data. | Agreed. |

Part C. Additional Specific Conditions decided during meeting of SEIAA

| S. No. | Compliance conditions | Reply |
|---------------|---|---|
| i. | The project proponent will not install new tubewell, however, water required for proposed expansion will be abstracted from existing borewells located in non-notified area after obtaining permission from CGWA. | The existing bore wells is being used for abstraction of ground water located in Nabha block. No new boring will be done without prior approval from Punjab Water Regulation & Development Authority (PWRDA). |
| ii. | The project proponent will increase the existing power load of 30 MW further by 5 MW for proposed expansion. | Agreed. |



GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies
4th Floor, IFCI Tower 61, New Delhi, Delhi, India, 110019

Certificate of Incorporation pursuant to change of name
[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

Corporate Identification Number (CIN): U27104DL2003PLC365691

I hereby certify that the name of the company has been changed from MADHAV ALLOYS LIMITED to MADHAV KRG LIMITED with effect from the date of this certificate and that the company is limited by shares.

Company was originally incorporated with the name Madhav Alloys Private Limited.

Given under my hand at New Delhi this Eleventh day of August two thousand twenty.



SANTOSH KUMAR

Registrar of Companies
RoC - Delhi

Mailing Address as per record available in Registrar of Companies office:

MADHAV KRG LIMITED

Unit No 1003, 10th Floor, Aggarwal Millenium, Tower-1, Netaji Subhash Palace, Pitampura, Delhi,
North West, Delhi, India, 110058



F. No. J-11011/406/2010-IA-II (I)
 Government of India
 Ministry of Environment and Forests
 (I.A. Division)

Paryavaran Bhawan
 CGO Complex, Lodhi Road
 New Delhi – 110 003
 E-mail: ahuja.raai@nic.in
 Tele/fax: 011 – 2436 3973
 Dated: 16th March, 2012

To,

The Director,
 M/s Madhav Alloys Pvt. Limited
 Talwara Road, Sirhind Side
 Mandi Gobindgarh- 147301, Punjab

Ph: 01765- 251657 Fax: 01765- 256798
 E-mail: sudhirgoyal@madhavgroup.com

Sub : Proposed Mild Steel billets manufacturing Unit of 3,00,000 MTPA capacity at Villages Akalgarh and Bhagwanpura, Tehsil Nabha and Amloh, District Patiala and Fatehgarh Sahib in Punjab by M/s Madhav Alloys Pvt. Limited- regarding Environmental Clearance

Sir,

This has reference to your letter no. nil dated 7th July 2011 and subsequent communication dated 10th October, 2011 along with copies of EIA/EEMP and public hearing reports seeking environmental clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined your application. It is noted that M/s Madhav Alloys Pvt. Ltd. have proposed for M.S. Billets manufacturing unit (3,00,000 MTPA) at Villages Akalgarh and Bhagwanpura, Tehsils Nabha and Amloh, Districts Patiala and Fatehgarh Sahib, Punjab. The total land requirement is 21.02 acres of which about 33 % area will be covered under green belt. No National Park/Wild life sanctuary/Reserve Forest is located within 10 Km radius of the project. Bhadsan Bir Protected Forest is located at 3 km distance towards SW from the site. No endangered / endemic species of flora and fauna have been reported in the study area. Ferro alloy, Iron & steel Ingots, Scrap, Sponge iron, Blocks Blooms, Lumps etc (3,09,278 MTA) will be used as raw material. Total cost of the project is Rs. 107.86 Crore and Rs. 5.45 Crore have been earmarked for environment protection measures.

3. To control the particulate emissions, pulse jet type bag filters would be installed. Stack of 30 m height will be provided for both the furnaces and the D.G set. One time fresh water demand will be 720 m³/day which will be met from the ground water source. Industrial waste water generated will be treated in ETP and the treated water will be recycled into the process. The domestic effluent will be treated in STP based on Submerged Aerated Fixed Film (SAFF) technology treated waste water will be used for green belt. The total power requirement is 26 MW which will be met from the 66 KV substation of PSEB. A DG set of 1,500 KVA capacity will be installed for power back up which requires 300 litres/day of HSD.

4. The solid waste generated in the form of slag which will be sold to the cement industries. The sludge from the STP will be used as manure. The sludge from the ETP will be sent to TSDF.

5. The proposed activity is listed at 3 (a) under Category 'B' as per the amendment of EIA Notification, 2006 dated 1st December, 2009. Due to location of the project within 10 km of the Critically Polluted Area, as per the General Condition of the EIA Notification, 2006, the proposal has been appraised by the Expert Appraisal Committee-1 (Industry) in the Ministry. Public hearings for the project were held separately at two districts namely Patiala and Fatehgarh Sahib on 1st March, 2011.

6. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 28th meeting held during 26th - 27th September, 2011. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions.

7. Based on the information submitted by you, presentation made by you and consultant, M/s Enkay Enviro Services, Jaipur Rajasthan, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions.

A. SPECIFIC CONDITIONS:

- i. The company shall install bag filters etc. to control the particulate emissions below 50 mg/Nm³. The gaseous emissions shall be dispersed through stack of adequate height as per the prescribed standards.
- ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.
- iii. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.
- iv. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.
- v. The total water requirement shall not exceed 720m³/day. Permission from the State Irrigation Department / Central Ground Water Board for drawl of water shall be obtained as may be applicable in this case.
- vi. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Chandigarh, PPCB and CPCB within 3 months of issue of environment clearance letter.

- vii. As proposed, green belt shall be developed in 33 % of the plant area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- viii. All the commitments made to the public during the Public Hearings / Public Consultation meeting held on 1st March, 2011 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bangalore.
- ix. At least 5 % of the total cost of the project shall be earmarked towards the enterprise social commitment and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Chandigarh. Implementation of such program should be ensured accordingly in a time bound manner.
- x. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Punjab State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the unit shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
- iv. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Chandigarh and the SPCB/CPCB once in six months.
- v. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- vi. The overall noise levels in and around the cement grinding unit area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc on all

sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)

- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- x. Requisite funds 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 Chandigarh. The funds so provided shall not be diverted for any other purpose.
- xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Chandigarh. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chandigarh/ CPCB / SPCB shall monitor the stipulated conditions.
- xiv. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall

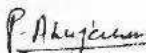
also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Chandigarh by e-mail.

- xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Chandigarh.
- xvi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
8. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
10. The above conditions shall 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, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(Dr. P.L. Ahujara)
Scientist -F

Copy to:

1. The Secretary, Department of Environment, Government of Punjab, Secretariat, Chandigarh.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032
3. The Chairman, Punjab Pollution Control Board, Vatavaran Bhavan, Nabha Road, Patiala-147001.
4. The Conservator of Forests, Regional Office (NZ), Bays No 24-25, Sector 31-A, Dakshin Marg, Chandigarh 160 047
5. Monitoring Cell, Ministry of Environment & Forests, New Delhi.
6. Guard file / Record file.


(Dr. P.L. Ahujara)
Scientist 'F'

| | |
|---|---|
|  सत्यमेव जयते | STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, PUNJAB Ministry of Environment, Forest & Climate Change, Government of India O/o Directorate of Environment & Climate Change C/o PSCST, MGSIPA Complex, Sector 26, Chandigarh-160019 Tele-0172-2792325 Fax- 0172-2793143 |
|---|---|

No. DECC/SEIAA/2020/ 1656

REGISTERED

Date: 20/5/20

To

✓
 M/s Madhav Alloys Pvt. Ltd.
 Village Akalgarh & Bhagwanpura,
 Tehsil Nabha & Amloh,
 District Patiala & Fatehgarh Sahib
 Punjab
 Mobile No. - 8437043750

Subject: Application for obtaining Environmental Cleanness under EIA notification dated 14.09.2006 for expansion of mild steel billets manufacturing unit located in the revenue estate of Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, District Patiala & Fatehgarh Sahib, Punjab by M/s Madhav Alloys Pvt. Ltd., (Proposal no. SIA/PB/IND/37520/2010)

This has reference to your subject cited Proposal No. SIA/PB/IND/37520/2010 for obtaining Environmental Clearance under EIA notification dated 14.09.2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, EIA report based on Additional Specific TORs and the additional clarifications furnished in response to the observations of the SEAC. The details of the project proposed by the project proponent are as under:

| | | | |
|----|--|---|------------------------|
| 1. | Name and Location of the project | M/s Madhav Alloys Pvt. Ltd. Village Akalgarh and Bhagwanpura, Tehsil Nabha & Amloh, District Patiala and Fatehgarh Sahib, Punjab | |
| 2. | Nature of project (Fresh/Expansion Amendment/Others) | Expansion project | |
| 3. | a) Category b) Activity (as per schedule appended to EIA Notification, 2006 as amended time to time.) | a) B-1 b) 3(a) Metallurgical Industries (Ferrous & Non Ferrous Alloys). | |
| 4. | Area Details | Description | After expansion (sq.m) |

| | | | |
|----------------------------------|--|---|--------------------------------|
| | | Total area | 1,54,628.0241 (38.03 acres) |
| | | Shed covered area | 53,606 |
| | | Green Area | 51,110 |
| Co-ordinates of the project site | Point | Latitude | Longitude |
| | A | 30°33'41.37" N | 76°14'26.28" E |
| | B | 30°33'41.25" N | 76°14'29.51" E |
| | C | 30°33'34.28" N | 76°14'29.30" E |
| | D | 30°33'34.01" N | 76°14'34.55" E |
| | E | 30°33'29.61" N | 76°14'34.47" E |
| | F | 30°33'29.42" N | 76°14'28.35" E |
| | G | 30°33'26.31" N | 76°14'28.11" E |
| | H | 30°33'41.38" N | 76°14'29.19" E |
| | I | 30°33'21.80" N | 76°14'13.38" E |
| | J | 30°33'26.14" N | 76°14'16.89" E |
| | K | 30°33'32.07" N | 76°14'16.06" E |
| | L | 30°33'31.97" N | 76°14'12.66" E |
| | M | 30°33'33.78" N | 76°14'12.67" E |
| | N | 30°33'35.02" N | 76°14'21.10" E |
| O | 30°33'35.08" N | 76°14'25.85" E | |
| 5. | Classification/Land use pattern as per Master Plan | Industrial | |
| 6. | Project Cost of expansion | Rs. 19.06 Crores | |
| 7. | EC fee | i) Rs 1,27000/- vide NEFT SBIN319250327660 dated 07.09.2019 Rs. ii) Rs.54000/- vide UTR no. SBIN219330156408 dated 26.11.2019 iii) Rs.10,000/- vide UTR no. SBIN120140428330 dated 19.05.2020 | |
| 8. | Raw requirement Material (After expansion) | Scrap: 1408 TPD Ferro Alloys, Sponge & DRI: 242 TPD | |
| 9. | Production Capacity (After expansion) | Billets/Steel Ingots @ 5,25,000 TPA , TMT bars/ Wire rods/ MS rounds @5,25,000 TPA | |

| 10. | Details of major productive machinery/ plant (After expansion) | i) 3 no's Induction Furnaces of capacity 25 TPH each ii) 01 Rolling Mill of capacity 5,25,000 TPA iii) one ladle refining furnace | | | | | | | | | | | | |
|---------|--|---|---|---------------------------------------|---|------------------------------|---------|---------|----------------------------|---------|----|---------------------|---------|---|
| 11. | Manpower(After expansion) | 1264 (Both technical & non-technical) | | | | | | | | | | | | |
| 12. | Water Requirements & source in Construction Phase | 10 KLD of water will be required during construction phase which will be met by treated water of STP. | | | | | | | | | | | | |
| 13. | Rain water recharging detail | Rain water recharging will be done by adoption of pond in the same assessment unit. 2,76,196.5 m ³ per annum of water will be recharged against the ground water withdrawal of 330 KLD considering 350 operational days. | | | | | | | | | | | | |
| 14. | Water Requirements & its source (After expansion) | Total water requirement for the project after expansion will be 475 KLD out of which fresh water requirement will be 330. KLD and remaining will be met from the treated waste water. Break-up of the same is given below: | | | | | | | | | | | | |
| | | Sr. No. | Description | Existing water demand (KLD) | Water demand after expansion (KLD) | Source | | | | | | | | |
| | | 1. | Domestic water demand | 32 | 55 | Ground water | | | | | | | | |
| | | 2. | Cooling water demand | 150 | 275 | Ground water or | | | | | | | | |
| | | 3. | Process water/ Recycled treated waste water | 30 | 145 | Treated water from STP & ETP | | | | | | | | |
| | | Total | | 212 | 475 | 475 | | | | | | | | |
| | | Sr. No. | Season | Green area water demand in KLD | Source of water | | | | | | | | | |
| | | 1 | Summer | 281 | Treated water from STP, ETP and | | | | | | | | | |
| | | 2 | Winter | 92 | STP of village Bharipanecha | | | | | | | | | |
| | | 3 | Rainy | 25 | Treated water from STP & ETP | | | | | | | | | |
| 15. | Details of Effluent (After expansion) | <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Details</th> <th>Quantity (After Expansion)</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Industrial Effluent</td> <td>145 KLD</td> <td>Industrial waste water will be treated in the already installed ETP of 150 KLD capacity. After treatment with UF & RO, 123 KLD treated water will be reutilized as process water and 22 KLD RO reject will be utilized for onto land for plantation purposes.</td> </tr> </tbody> </table> | | | | | Sr. No. | Details | Quantity (After Expansion) | Remarks | i) | Industrial Effluent | 145 KLD | Industrial waste water will be treated in the already installed ETP of 150 KLD capacity. After treatment with UF & RO, 123 KLD treated water will be reutilized as process water and 22 KLD RO reject will be utilized for onto land for plantation purposes. |
| Sr. No. | Details | Quantity (After Expansion) | Remarks | | | | | | | | | | | |
| i) | Industrial Effluent | 145 KLD | Industrial waste water will be treated in the already installed ETP of 150 KLD capacity. After treatment with UF & RO, 123 KLD treated water will be reutilized as process water and 22 KLD RO reject will be utilized for onto land for plantation purposes. | | | | | | | | | | | |

| | | | | | |
|--|---------|--|----------------------------|---|--|
| | ii) | Domestic Effluent. | 44 KLD | Wastewater generated from the project will be treated in the STP of capacity 150 KLD. After treatment with RO, 22 KLD treated water will be reutilized as process water. However, RO reject will be utilized for onto land for plantation purposes. | |
| 16. Details of Emissions(After expansion) | | | | | |
| | Sr. No. | Source | Capacity | Chimney Height (m) | Air Pollution Control Device |
| | i) | Induction Furnace (Existing) | 2 x 25 TPH | 36 m each | Dog House Type hood followed by Multi-cyclone separator, Pulse Jet BagFilter |
| | ii) | Induction Furnace (Proposed) | 1 x 25 TPH | 36 m | Dog House Type hood followed by Pulse Jet Bag Filter |
| | iii) | DG sets (existing) | 2 x 600 KVA each | h+5.0 m | Equipped with Canopy |
| | iv) | DG sets (Proposed) | 1 x 550 KVA | h+4.5 m | Equipped with Canopy |
| | v) | DG sets (Proposed) | 50 KVA | h+1.5 m | Equipped with Canopy |
| | vi) | Fume Exhaust System in Pickling Section (Galvanizing Unit) | Existing | 15 m | Wet Scrubber System |
| | vii) | Ammonia Ventilation (WRD) | Existing | 15 m | Wet Scrubber System |
| | viii) | Hot water Generator | Existing | 15 m | Stack |
| 17. Details of Hazardous waste and its disposal(After expansion) | | | | | |
| | Sr. No. | Hazardous Waste Category | Quantity (After expansion) | Disposal | |
| | i) | Cat. 35.1 – Exhaust air or Gas cleaning Residue | 5 TPD | Shall be treated in waste recycling division of the unit for recovery of zinc. The remaining waste from WRD unit (if any) shall be sent to Nimbua Greenfield (Punjab) Ltd | |
| | ii) | Cat. 5.1 – Used Oil | 1.5 KL/annum | Shall be reprocessed through authorized recyclers of waste oil | |
| | iii) | Category 34.3 – ETP sludge | 3 TPA | Shall be disposed through Nimbua Greenfield (Punjab) Ltd | |
| | iv) | Category 33.1 – Hazardous chemicals / waste | 211 Nos/annum | Shall be disposed through Nimbua Greenfield (Punjab) Ltd. | |
| 18. Solid waste generation and its disposal(After expansion) | | | | | |

| Sr. No. | Solid Waste | Quantity (After Expansion) | Disposal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|-----------------------------|--|---------|-----------------------------------|-----------------------------|-----------------------------------|----|--|-----|-----|----|--|------|-----|----|------------------------|------|-----|----|---|-----|-----|----|-------------------------------------|-----|-----|----|----------------------------------|-----|-----|----|--|----|-----|----|---------------|-----|-----|--------------|--|------------|-------------|
| (i) | Domestic solid waste | 253 kg/day | Domestic waste will be properly collected and segregated into biodegradable and non-biodegradable waste. The solid waste will be disposed off as per Solid Waste Management Rules, 2016. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (ii) | Slag | 65.0 TPD | 30 TPD of metal will be recovered from the slag and remaining slag will be used as as raw material ingredient for the manufacturing of hollow blocks and interlock pavers in the proposed manufacturing unit of capacity 300 TPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19. | Energy Requirements (After expansion) | | Total Power Requirement after expansion will be 43 MVA 2 DG sets of 600 KVA, 1 DG set of 550 KVA & 1 DG set of 50 KVA equipped with canopies as stand-by arrangements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20. | <p>Environment Management Plan Environment Management Cell (EMC) shall be responsible for implementation of EMP headed by the Director of the company. He will supported by General Manager (Environment) and environmental consultant. The budgetary requirement for implementation of EMP is as under:-</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Environmental Protection Measures</th> <th>Capital Cost (Rs. in lakhs)</th> <th>Recurring Cost (Rs.in lakhs/year)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air Pollution Control (Installation of APCD)</td> <td>150</td> <td>2.0</td> </tr> <tr> <td>2.</td> <td>Noise Pollution Control (Including cost of landscaping & green belt)</td> <td>10.0</td> <td>1.5</td> </tr> <tr> <td>3.</td> <td>Solid Waste Management</td> <td>12.0</td> <td>1.0</td> </tr> <tr> <td>4.</td> <td>Water Pollution Control (STP, ETP & RO)</td> <td>2.0</td> <td>2.0</td> </tr> <tr> <td>5.</td> <td>Environment Monitoring & Management</td> <td>3.0</td> <td>5.0</td> </tr> <tr> <td>6.</td> <td>Health, Safety & Risk Assessment</td> <td>3.0</td> <td>0.5</td> </tr> <tr> <td>7.</td> <td>Rain Water Recharging outside the project premises</td> <td>10</td> <td>2.0</td> </tr> <tr> <td>8.</td> <td>Miscellaneous</td> <td>1.0</td> <td>0.5</td> </tr> <tr> <td colspan="2">Total</td> <td>191</td> <td>14.5</td> </tr> </tbody> </table> | | | Sr. No. | Environmental Protection Measures | Capital Cost (Rs. in lakhs) | Recurring Cost (Rs.in lakhs/year) | 1. | Air Pollution Control (Installation of APCD) | 150 | 2.0 | 2. | Noise Pollution Control (Including cost of landscaping & green belt) | 10.0 | 1.5 | 3. | Solid Waste Management | 12.0 | 1.0 | 4. | Water Pollution Control (STP, ETP & RO) | 2.0 | 2.0 | 5. | Environment Monitoring & Management | 3.0 | 5.0 | 6. | Health, Safety & Risk Assessment | 3.0 | 0.5 | 7. | Rain Water Recharging outside the project premises | 10 | 2.0 | 8. | Miscellaneous | 1.0 | 0.5 | Total | | 191 | 14.5 |
| Sr. No. | Environmental Protection Measures | Capital Cost (Rs. in lakhs) | Recurring Cost (Rs.in lakhs/year) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Air Pollution Control (Installation of APCD) | 150 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Noise Pollution Control (Including cost of landscaping & green belt) | 10.0 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Solid Waste Management | 12.0 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Water Pollution Control (STP, ETP & RO) | 2.0 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Environment Monitoring & Management | 3.0 | 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Health, Safety & Risk Assessment | 3.0 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Rain Water Recharging outside the project premises | 10 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | Miscellaneous | 1.0 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | 191 | 14.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21. | CER activities along with budgetary break up and responsibility to implement | | Mr. Sudhir Goyal of M/s Madhav Alloys Pvt. Ltd. will be responsible for implementation of CER (Corporate Environment Responsibility). Rs. 18 lakhs (@ 1% of expansion cost) is required for C.E.R activities as per Office Memorandum vide F. No. 22-65/ 2017-IA.III dated 01.05.2018. However, Rs. 25 Lakhs have been planned to be reserved for CER. The details of activities have been mentioned in the CER condition. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

The case was considered by the SEAC in 186th meeting held on 26.12.2019 wherein the committee observed that the project proponent has provided adequate, satisfactory clarifications to the observations raised by it and awarded 'Silver Grading' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent under EIA notification dated 14.09.2006 subject to certain conditions in addition to the proposed measures.

The case was placed before SEIAA for consideration in the 161st meeting held on 27.02.2020. The SEIAA looked into the details of the case and was satisfied with the same. A copy of presentation was taken on record by SEIAA.

Therefore, the Authority decided to grant Environmental Clearance under category-B with project/ activity 3(a)- Metallurgical Industries (ferrous & nonferrous) for mild steel billets manufacturing unit with total production capacity of 5,25,000 TPA, located in the revenue estate of Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, District Patiala & Fatehgarh Sahib, Punjab by M/s Madhav Alloys Pvt. Ltd as per the details mentioned in Form 1, 1A, EMP & subsequent presentations/ clarifications made by the project proponent and his Environmental Consultant subject to the conditions as proposed by SEAC, in addition to the proposed measures and amendments made by SEIAA. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to proposed measures & strict compliance of terms and conditions as follows: -

Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills

i. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six- monthly compliance report. (In case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the

Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.

- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water from the competent authority concerned in case of drawl of surface water required for the project. In case of non- grant of permission by CGWA for ground water abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from competent authority.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- viii. The project proponent shall comply with the conditions imposed by District Town Planner, Patiala vide Memo No. 923 DTP(P)/A-31(P) dated 14.06.2010 dated 14.06.2010 for an area of 17.96 acres and DTP Fatehgarh Sahib vide memo no 758- DTP(FGS)/NG-62 dated 21.06.2010 for an area of 8.13 acres and Urban Development Department vide Ref no. PBIP/1805492489 dated 08.01.2019 for an area of 15.854 acres.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the

plant area at an angle of 120° each), covering upwind and downwind directions. (Case to case basis small plants: Manual; Large plants: Continuous).

- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
- xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide
G.S.R 277 (E) dated 3151 March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (Case to case basis small plants: Manual; Large plants: Continuous)
- ii. The project proponent shall monitor regularly ground water quality at least

twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

- iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. Adhere to 'Zero Liquid Discharge'.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- vii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- viii. The project proponent shall practice rainwater harvesting to maximum possible extent i.e. pond located in the Village Dargapur, Ramgarh, Ghundar and Chahal shall be adopted with rain water recharging after desilting @ 276,196.5 m³/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-NEERI's) divided in different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to purification of water and collected into pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields.
- ix. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry

as a part of six- monthly compliance report.

- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- ii. Practice hot charging of slabs and billets/blooms as far as possible.
- iii. Ensure installation of regenerative type burners on all reheating furnaces.
- iv. Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- v. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

VII. Green Belt

- i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant. The industry shall ensure that most of the periphery shall be provided with green belt by removing the unwanted/non- productive structures already provided in the existing project near the boundary wall.
- ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities and spent an amount as committed during the Public Hearing and give preference to the local person as per the qualification to be employed in the expansion project.

IX. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities for spending atleast minimum amount of Rs. 25 Lacs towards following CER activities:

| Sr. No. | Activities | Total Expenditure in 1 Year (in lakhs) | Timeline (Starting from date of grant of EC) | Total Expenditure |
|---------|---|--|--|-------------------|
| 1. | Wildlife conservation plan (Already Paid) | | | |
| | Planting of fruit bearing species including watch and ward for 5 years @ 4.50 lakh per hectare (2 Ha.). | 1,80,000 | 5 year | 9,00,000 |
| | Provision of one patrolling vehicle for the officer to patrol the study area. | 6,00,000 | 1 year | 6,00,000 |
| | Public awareness and wildlife education activities. | 50,000 | 1 year | 50,000 |
| | Fuel for vehicle @ 100 Lt. per month for first year | 1,00,000 | 1 year | 1,00,000 |

| | | | | |
|----|--|----------------------|---------|----------------------|
| | and maintenance. | | | |
| | Contingency/General | 50,000 | 1 year | 50,000 |
| 2. | Awareness to local Farmers | | | |
| | Providing awareness programs on use and make of DESI MANURE from cow- dung. | 1,00,000 | 1 year | 1,00,000 |
| | Awareness programs on Modern approaches of soil fertility evaluation and fertilizer recommendation | 50,000 | 2 years | 1,00,000 |
| 3. | Education Providing Scholarship to the needy students of Akalgarh Sarkari School and Nurpura Govt. School. | 2,00,00 | 1 year | 2,00,000 |
| | Providing basic needs such as books, dresses etc. to the students of Akalgarh Sarkari School and Nurpura Govt. School. | 1,50,000 | 1 year | 1,50,000 |
| 4. | Health Organizing medical camps & Blood donation in surroundings villages of Akalgarh & Bhagwanpura | 50,000 | 5 year | 2,50,000 |
| | Total | Rs. 15,30,000 | | Rs. 25,00,000 |

However, CER activities shall strictly be in accordance with the activities listed out in the OM dated 01.05.2018 and as per the proposal submitted by the project proponent. The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be

submitted to the MoEF&CC as a part of six-monthly report.

- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spend minimum amount of Rs 191 Lacs towards capital cost and Rs 14.5 Lacs / annum towards recurring cost. The entire cost of the environmental management plan will continue to be borne by the project proponent. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
- vi. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vii. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. Validity

- i. This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier

XI. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored

data on their website and update the same on half-yearly basis.

- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. Regional Office of this Ministry and Punjab Pollution Control Board (PPCB) shall monitor compliance of the stipulated conditions. The project

authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data/ information/monitoring reports.

- xv. The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

ADDITIONAL SPECIFIC CONDITIONS DECIDED DURING MEETING OF SEAC

- i. The project proponent shall minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- ii. The project proponent shall provide STP for treatment of waste water & reutilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
- iii. The project proponent shall reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- iv. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately and Water sprinkling system be put in place so as to prevent dust pollution.
- v. The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.


- vi. The project proponent shall comply with the standard operating procedures and upgradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- vii. Whole of the vehicle movement area as well as approach road to the gate /weighing bridge shall be paved with pucca / metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- viii. The vehicles to be used for loading / unloading purpose shall not be parked along roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
- ix. The project proponent shall adopt green technologies to conserve the water and energy including shearing / cutting / bundling machines. Also to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- x. The project proponent shall use natural gas (if available) as substitute fuel wherever possible in the existing industry/ for expansion project.
- xi. The project proponent shall take necessary action w.r.t. the following:-
 - a) Recovery of iron from slag before disposing it off.
 - b) Identify the areas for utilization of slag in scientific manner and its usage in cement / construction industry / road laying etc.
 - c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.
- xii. The project proponent shall install the hollow blocks & interlock pavers manufacturing unit of capacity 300 TPD to utilize the 65 TPD slag generated from their unit as raw material along with other ingredient and commission the same within one year
- xiii. The project proponent shall install the borewell for the abstraction of ground water under Nabha Block only, which is non notified over exploited zone and will not abstract ground water from Amloh block, which is notified over exploited zone.
- xiv. The project proponent shall install 02 no. low cost instruments within the premises and monitor Continuous/Real time data.

ADDITIONAL SPECIFIC CONDITIONS DECIDED DURING MEETING OF SEIAA

- i. The project proponent will not install new tubewell, however, water required for proposed expansion will be abstracted from existing borewells

located in non-notified area after obtaining permission from CGWA.

- ii. The project proponent will increase the existing power load of 30MW further by 5MW for proposed expansion.


Member Secretary

Amit

Endst. No. _____

REGISTERED

Date: _____

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
4. The Deputy Commissioner, Patiala.
5. The Deputy Commissioner, Fatehgarh Sahib.
6. The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
7. The Advisor (Environment), Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the authorized Officer of the project proponent is as under:
 - a) Name of the applicant : Harminder Karbanda
G.M (F& A), M/s Madhav Alloys Pvt.
Ltd.
 - b) Phone Number : 8437043750
 - c) Email ID : info@madhavkrsgroup.com
8. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali
9. Monitoring Cell, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 110003.


Member Secretary

Amit



भारत सरकार
GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
उत्तर क्षेत्रीय कार्यालय, चंडीगढ़ / Northern Regional Office, Chandigarh



मिसिल संख्या -: 9-PBB334/2020-CHA

दिनांक : 13.08.2020

सेवा में,

अतिरिक्त मुख्य सचिव (वन),
पंजाब सरकार, लघु सचिवालय,
सेक्टर-9, चण्डीगढ़।
(www.fcf@punjab.nic.in)

विषय:- Diversion of 0.0129 ha of forest land in favour of M/s Madhav Alloy Pvt. Ltd., for construction of approach road to Madhav Alloy Pvt. Ltd., at Village Akalgarh, Tehsil Nabha and Village Bhagwanpur Tehsil Amloh District Fatehgarh Sahib on Bhawanigarh Nabha Gobindgarh Road, KM.41-42 R/s, under Forest Division and District Patiala, Punjab (Online proposal no. FP/PB/Approach/39934/2019) regarding

संदर्भ (i) पंजाब सरकार के पत्र संख्या FCA/1980/PBIP/133/2019/900 दिनांक 24.02.2020

(ii) राज्य सरकार द्वारा अनुपालना रिपोर्ट नं०FCA0FC2P/47/2020-FCA दिनांक 04.08.2020

महोदय,

कृपया उपर्युक्त विषय से संदर्भित पत्र का अवलोकन करें जिसमें वन (संरक्षण) अधिनियम, 1980 की धारा- 2 के अधीन केन्द्रीय सरकार की अनुमति मांगी गई थी। इस प्रस्ताव में इस कार्यालय के समसंख्यक पत्र दिनांक 12.05.20.20 द्वारा सैधांतिक स्वीकृति प्रदान की गई थी जिसकी अनुपालना रिपोर्ट नोडल अधिकारी के पत्र संख्या FCA0FC2P/47/2020-FCA दिनांक 04.08.2020 (ऑनलाइन पोर्टल) द्वारा प्राप्त होने के उपरान्त केन्द्र सरकार द्वारा उपर्युक्त उद्देश्य हेतु 0.0129 हैक्टेयर वन भूमि के उपयोग हेतु स्वीकृति निम्नलिखित शर्तें पूरी करने पर प्रदान की जाती है:-

- i. वन भूमि की विधिक परिस्थिति बदली नहीं जाएगी।
- ii. प्रस्ताव के अनुसार कम से कम वृक्ष काटें जायेंगे और काटें जाने वाले वृक्षों की संख्या 05 से अधिक नहीं होगी ॥
- iii. प्रतिपूर्ति पौधारोपण प्रस्ताव के अनुसार Mohlgwara Rajwaha RD 0 to tail B/s, Tehsil Nabha, District Patiala में प्रयोक्ता एजेंसी से प्राप्त 56,050/- रूपये (Fifty six thousand fifty only) की राशि से 0.1 हैक्टेयर वन क्षेत्र में पौधें लगाकर किया जायेगा।
- iv. प्रतिपूर्ति पौधारोपण इस पत्र के जारी होने की तिथि से एक वर्ष के अन्दर हो जाना चाहिए।
- v. वन भूमि का प्रयोग प्रस्ताव में दर्शाये गये उद्देश्य के अलावा किसी अन्य उद्देश्य के लिये नहीं किया जायेगा।
- vi. जब कभी भी NPV की राशि बढ़ाई जायेगी तो उस बढ़ी हुई NPV की राशि को जमा करने के लिए प्रयोक्ता एजेंसी बाध्य होगी।
- vii. साथ लगते वन और वन भूमि को किसी तरह का कोई नुकसान नहीं पहुंचाया जायेगा।
- viii. स्थानान्तरण के लिए प्रस्तावित वन भूमि को केन्द्रीय सरकार की पूर्व अनुमति के बिना किसी भी परिस्थिति में किसी अन्य एजेंसी, विभाग या व्यक्ति विशेष को हस्तांतरित नहीं किया जायेगा।
- ix. केन्द्रीय सरकार की अनुमति के बिना प्रस्ताव की ले आउट प्लान को बदला नहीं जायेगा।
- x. प्रयोक्ता एजेंसी पर्यावरण (सुरक्षा) अधिनियम 1986, के अन्तर्गत 'पर्यावरण अनुमति' के अनुसार पर्यावरण संरक्षण करेगी।
- xi. कूड़ा कर्कट निपटान जारी योजना के अनुसार किया जायेगा।
- xii. अन्य कोई भी शर्त इस क्षेत्रीय कार्यालय द्वारा वन तथा वन्य जीव का संरक्षण, सुरक्षा तथा विकास के लिए समय - समय पर लगाई जा सकती है।

xiii. यदि कोई अन्य संबंधित अधिनियम/अनुच्छेद/नियम/न्यायालय आदेश/अनुदेश आदि इस प्रस्ताव पर लागू होते हैं तो उनके अधीन जरूरी अनुमति लेना प्रयोक्ता एजेंसी व राज्य सरकार की जिम्मेवारी होगी।

2. मंत्रालय इस स्वीकृति को स्थगित/रद्द कर सकता है यदि उपरोक्त शर्तों में से किसी भी शर्त का कार्यान्वयन सन्तोषप्रद नहीं है। राज्य सरकार वन विभाग के माध्यम से इन शर्तों का पालन सुनिश्चित करेगी

भवदीय,



(सी० डी० सिंह)

13/08/2020

उप-वन महानिदेशक (केन्द्रीय)

प्रतिलिपि:-

1. अपर वन महानिदेशक (वन), पर्यावरण परिवर्तन जलवायु एवं वन ,मंत्रालय, इन्दिरा पर्यावरण भवन, जोर बाग, अलीगंज, नई दिल्ली। (www.adgfc-mef@nic.in)
2. प्रधान मुख्य वन संरक्षक, पंजाब, फोरेस्ट कॉम्प्लेक्स, सै०-68, एस० ए० एस० नगर, मोहाली, पंजाब। (www.pccfpunjab@gmail.com)
3. वन मण्डल अधिकारी, वन मण्डल Patiala पंजाब | (www.dfopta@gmail.com)
4. M/s Madhav Alloy Pvt. Ltd., Village Akalgarh, Amloh-Bhadson Rd., Near Toll Plaza District-Patiala, Punjab (www.madhavalloys12@gmail.com)

5. पर्यावरण प्रभाव निर्धारण अधिसूचना, 2006 के अधीन आने वाली गतिविधियों की संविधा के मामलों का सारांश ।
ब्यौरे एक पृथक् उपाबंध के रूप में उपाबद्ध किए जा सकते हैं ।
6. पर्यावरण प्रभाव निर्धारण अधिसूचना, 2006 के अधीन न आने वाली गतिविधियों की संविधा के मामलों का सारांश । ब्यौरे एक पृथक् उपाबंध के रूप में उपाबद्ध किए जा सकते हैं ।
7. पर्यावरण (संरक्षण) अधिनियम, 1986 की धारा 19 के अधीन दर्ज की गई शिकायतों का सारांश ।
8. कोई अन्य महत्वपूर्ण विषय ।

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 21st July, 2016

S.O. 2483(E).— WHEREAS a draft notification was published in the Gazette of India, Extraordinary, *vide* notification of the Government of the India in the Ministry of Environment, Forest and Climate Change number S.O.1394 (E), dated the 20th May, 2015, inviting objections and suggestions from all persons likely to be affected thereby within the period of sixty days from date on which copies of the Gazette containing the said notification were made available to the public;

WHEREAS, the Bir Bhadson Wildlife Sanctuary is the largest protected area situated in the Patiala District of the State of Punjab and spread over an area of 1022.63 hectare and located on left side of Bhadson-Gobindgarh Road;

AND WHEREAS, the protected area as per the forest classification of Champion and Seth, has the forests that fall under sub-group 5(b) of Northern Dry Mixed Deciduous Forest Type comprising of tree species such as Eucalyptus, Mulberry, Shisham, Kikkar, Khair, Dhak, Beri, Jand, Simbal, Jamun, Neem, Toot, Arjun, Kareer, Kahi, Nara, Amb, Khajoor, Karonda and Bamboo etc.;

AND WHEREAS, the area is known to support a variety of animals and birds and the main faunal species are Porcupine, Wild Boar, Blue Bull, Jackal, Jungle Cat, Rhesus Monkey, Peafowl, Black and Grey Partridges, Parakeets and Doves etc.;

AND WHEREAS, it is necessary to conserve and protect the area, the extent and boundaries of which is specified in paragraph 1 of this notification around the protected area of the Bir Bhadson Wildlife Sanctuary as Eco-sensitive Zone from ecological and environmental point of view and to prohibit industries or class of industries and their operations and processes in the said Eco-sensitive Zone;

NOW, THEREFORE, in exercise of the powers conferred by sub-section (1), clause (v) and clause (xiv) of sub-section (2) and sub-section (3) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986) read with sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government hereby notifies an area to an extent upto 100 metres from the boundary of the Bir Bhadson Wildlife Sanctuary in the State of Punjab as the Bir Bhadson Wildlife Sanctuary Eco-sensitive Zone (hereinafter referred to as the Eco-sensitive Zone) details of which are as under, namely:-

1. **Extent and boundaries of Eco-sensitive Zone.**-(1) The extent of Eco-sensitive Zone is upto 100 meters from the boundary of the Bir Bhadson Wildlife Sanctuary comprising an area of 170 hectares.

(2) The Eco-sensitive Zone is bounded by 30°30'54.769"N latitude and 76°14'29.364"E longitude towards east (point No.B of Annexure I map); 30°30'11.44"N latitude and 76°10'58.703"E longitude towards west-south (point No.E of Annexure I map); 30°31'54.171"N latitude and 76°14'23.354"E longitude towards north-east (point No.A of Annexure I map) and 30°29'42.05"N latitude and 76°11'10.52"E longitude towards south-west (point No.D of Annexure I map).

(3) The map of the Eco-sensitive Zone together with its latitudes and longitudes is appended as **Annexure I**.

(4) The list of 13 villages falling within the Bir Bhadson Wildlife Sanctuary Eco-sensitive Zone alongwith their longitudes and latitudes at prominent points is appended as **Annexure II**.

2. Zonal Master Plan for the Eco-sensitive Zone.-(1) The State Government shall, for the purpose of the Eco-sensitive Zone prepare a Zonal Master Plan, within a period of two years from the date of publication of this notification in the Official Gazette, in consultation with local people and adhering to the stipulations given in this notification.

- (2) The Zonal Master Plan shall be approved by the competent authority in the State Government.
- (3) The Zonal Master Plan for the Eco-sensitive Zone shall be prepared by the State Government in such manner as is specified in this notification and also in consonance with the relevant Central and State laws and the guidelines issued by the Central Government, if any.
- (4) The Zonal Master Plan shall be prepared in consultation with all concerned State Departments, namely:-
 - (i) Environment;
 - (ii) Forest;
 - (iii) Urban Development;
 - (iv) Tourism;
 - (v) Municipal;
 - (vi) Revenue;
 - (vii) Agriculture; and
 - (viii) Punjab State Pollution Control Board,

for integrating environmental and ecological considerations into it.

(5) The Zonal Master Plan shall not impose any restriction on the approved existing land use, infrastructure and activities, unless so specified in this notification and the Zonal Master Plan shall factor in improvement of all infrastructure and activities to be more efficient and eco-friendly.

(6) The Zonal Master Plan shall provide for restoration of denuded areas, conservation of existing water bodies, management of catchment areas, watershed management, groundwater management, soil and moisture conservation, needs of local community and such other aspects of ecology and environment that need attention.

(7) The Zonal Master Plan shall demarcate all the existing worshipping places, village and urban settlements, types and kinds of forests, agricultural areas, fertile lands, green area, such as, parks and like places, horticultural areas, orchards, lakes and other water bodies.

(8) The Zonal Master Plan shall regulate development in Eco-sensitive Zone so as to ensure eco-friendly development and livelihood security of local communities.

3. Measures to be taken by State Government.-The State Government shall take the following measures for giving effect to the provisions of this notification, namely:-

(1) **Land use.**- Forests, horticulture areas, agricultural areas, parks and open spaces earmarked for recreational purposes in the Eco-sensitive Zone shall not be used or converted into areas for commercial or industrial related development activities:

Provided that the conversion of agricultural lands within the Eco-sensitive Zone may be permitted on the recommendation of the Monitoring Committee and with the prior approval of the State Government to meet the residential needs of local residents, and for the activities listed against serial numbers 24, 28, 32 and 37 in column (2) of the table in paragraph 4, namely:-

- (i) small scale industries not causing pollution;
- (ii) eco-friendly cottages for temporary occupation of tourists such as tents, wooden houses, for eco-friendly tourism activities;
- (iii) rainwater harvesting; and
- (iv) cottage industries including village artisans:

Provided further that no use of tribal land shall be permitted for commercial and industrial development activities without the prior approval of the State Government and without compliance of the provisions of article 244 of

the Constitution or the law for the time being in force, including the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (2 of 2007):

Provided also that any error appearing in the land records within the Eco-sensitive Zone shall be corrected by the State Government after obtaining the views of the Monitoring Committee, once in each case and the correction of said error shall be intimated to the Central Government in the Ministry of Environment, Forest and Climate Change:

Provided also that the above correction of error shall not include change of land use in any case except as provided under this sub-paragraph:

Provided also that there shall be no consequential reduction in green area, such as forest area and agricultural area and efforts shall be made to reforest the unused or unproductive agricultural areas.

(2) **Natural springs.**-The catchment areas of all natural springs shall be identified and plans for their conservation and rejuvenation shall be incorporated in the Zonal Master Plan and the guidelines shall be drawn up by the State Government in such a manner as to prohibit development activities at or near these areas which are detrimental to such areas.

(3) **Tourism.**-(a)The activity relating to tourism within the Eco-sensitive Zone shall be as per Tourism Master Plan, which shall form part of the Zonal Master Plan.

(b) The Tourism Master Plan shall be prepared by the Department of Tourism, Government of Punjab in consultation with Department of Revenue and Forests, Government of Punjab.

(c) The activity of tourism shall be regulated as under, namely:-

(i) all new tourism activities or expansion of existing tourism activities within the Eco-sensitive Zone shall be in accordance with the eco-tourism guidelines issued by the National Tiger Conservation Authority, Ministry of Environment, Forest and Climate Change (as amended from time to time) with emphasis on eco-tourism, eco-education and eco-development and based on carrying capacity study of the Eco-sensitive Zone;

(ii) new construction of hotels and resorts shall not be permitted within the Eco-sensitive Zone;

(iii) till the Zonal Master Plan is approved, development for tourism and expansion of existing tourism activities shall be permitted by the concerned regulatory authorities based on the actual site specific scrutiny and recommendation of the Monitoring Committee.

(4) **Natural heritage.**- All sites of valuable natural heritage in the Eco-sensitive Zone, such as the gene pool reserve areas, rock formations, waterfalls, springs, gorges, groves, caves, points, walks, rides, cliffs, etc. shall be identified and preserved and plan shall be drawn up for their protection and conservation, within six months from the date of publication of this notification and such plan shall form part of the Zonal Master Plan.

(5) **Man-made heritage sites.**- Buildings, structures, artefacts, areas and precincts of historical, architectural, aesthetic, and cultural significance shall be identified in the Eco-sensitive Zone and plans for their conservation shall be prepared within six months from the date of publication of this notification and incorporated in the Zonal Master Plan.

(6) **Noise pollution.**- The Environment Department of the State Government shall draw up guidelines and regulations for the control of noise pollution in the Eco-sensitive Zone in accordance with the provisions of the Air (Prevention and Control of Pollution) Act, 1981(14 of 1981) and the rules made thereunder.

(7) **Air pollution.**- The Environment Department of the State Government shall draw up guidelines and regulations for the control of air pollution in the Eco-sensitive Zone in accordance with the provisions of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) and the rules made thereunder.

(8) **Discharge of effluents.-** The discharge of treated effluent in Eco-sensitive Zone shall be in accordance with the provisions of the Water (Prevention and Control of Pollution) Act, 1974(6 of 1974) and the rules made thereunder.

(9) **Solid wastes.** - Disposal of solid wastes shall be as under.-

(i) the solid waste disposal in Eco-sensitive Zone shall be carried out as per the provisions of the Municipal Solid Waste (Management and Handling) Rules, 2000 published by the Government of India in the erstwhile Ministry of Environment and Forests *vide* notification number S.O. 908 (E), dated the 25th September, 2000 as amended from time to time;

(ii) the local authorities shall draw up plans for the segregation of solid wastes into biodegradable and non-biodegradable components;

(iii) the biodegradable material shall be recycled preferably through composting or vermiculture;

(iv) the inorganic material shall be disposed of in an environmentally acceptable manner at site identified outside the Eco-sensitive Zone and no burning or incineration of solid wastes shall be permitted in the Eco-sensitive Zone.

(10) **Bio-medical waste.-** The bio-medical waste disposal in the Eco-sensitive Zone shall be carried out as per the provisions of the Bio-Medical Waste (Management and Handling) Rules, 1998 published by the Government of India in the erstwhile Ministry of Environment and Forests *vide* notification number S.O. 630(E), dated the 20th July, 1998 as amended from time to time.

(11) **Vehicular traffic.** - The vehicular movement of traffic shall be regulated in a habitat friendly manner and specific provisions in this regard shall be incorporated in the Zonal Master Plan and till such time as the Zonal Master Plan is prepared and approved by the competent authority in the State Government, the Monitoring Committee shall monitor compliance of vehicular movement under the relevant Acts and the rules and regulations made thereunder.

4. **List of activities prohibited or to be regulated within the Eco-sensitive Zone.-**All activities in the Eco-sensitive Zone shall be governed by the provisions of the Environment (Protection) Act, 1986 (29 of 1986) and the rules made thereunder and shall be regulated in the manner specified in the table below, namely:-

Table

| Sl. No. | Activity | Remarks |
|------------------------------|---|---|
| 1 | 2 | 3 |
| Prohibited Activities | | |
| 1. | Commercial mining, stone quarrying and crushing units. | (a) All new and existing mining (minor and major minerals), stone quarrying and crushing units shall be prohibited except for the domestic needs of <i>bona fide</i> local residents. (b) The mining operations shall strictly be in accordance with the orders of the Hon'ble Supreme Court dated the 4 th August, 2006 in the matter of T.N. Godavarman Thirumulpad Vs. Union of India in Writ Petition (Civil) No.202 of 1995 and orders of the Hon'ble Supreme Court dated the 21 st April, 2014 in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.435 of 2012. |
| 2. | Setting up of saw mills. | No new or expansion of existing saw mills shall be permitted within the Eco-sensitive Zone. |
| 3. | Setting up of industries causing water, air, soil or noise pollution. | No new or expansion of existing polluting industries shall be permitted within the Eco-sensitive Zone. |
| 4. | Use or production of any hazardous substances. | Prohibited (except as otherwise provided) as per applicable laws. |

| | | |
|-----------------------------|---|---|
| 5. | Commercial establishment of hotels and resorts. | No new or expansion of existing commercial establishments such as hotels and resorts shall be permitted within the Eco-sensitive Zone. |
| 6. | Commercial use of firewood. | Prohibited (except as otherwise provided) as per applicable laws. |
| 7. | Establishment of new major hydroelectric projects. | Prohibited (except as otherwise provided) as per applicable laws. |
| 8. | Undertaking activities related to tourism like over-flying the sanctuary area by hot-air balloons, etc. | Prohibited (except as otherwise provided) as per applicable laws. |
| 9. | Uses of plastic carry bags. | Prohibited (except as otherwise provided) as per applicable laws. |
| 10. | Discharge of untreated effluents and solid waste in natural water bodies or land area. | Prohibited (except as otherwise provided) as per applicable laws. |
| 11. | Construction activities. | No new construction of any kind shall be permitted within the Eco-sensitive Zone, except for the domestic needs of local residents including the activities listed in sub-paragraph (1) of paragraph 3. In case of the construction activity related to small scale industries not causing pollution shall be regulated and kept at the minimum. |
| Regulated Activities | | |
| 12. | Felling of trees. | (a) There shall be no felling of trees on the forest land or Government or revenue or private lands without prior permission of the competent authority in the State Government. (b) The felling of trees shall be regulated in accordance with the provisions of the concerned Central or State Act and the rules made thereunder. |
| 13. | Drastic change of agriculture system. | Regulated under applicable laws. |
| 14. | Commercial water resources including ground water harvesting. | (a) The extraction of surface water and ground water shall be permitted only for <i>bona fide</i> agricultural use and domestic consumption of the occupier of the land. (b) The extraction of surface water and ground water for industrial or commercial use including the amount that can be extracted, shall require prior written permission from the concerned regulatory authority. (c) No sale of surface water or ground water shall be permitted. (d) Steps shall be taken to prevent contamination or pollution of water from any source including agriculture. |
| 15. | Erection of electrical cables and telecommunication towers. | Promote underground cabling. |
| 16. | Fencing of existing premises of hotels and lodges. | Regulated under applicable laws. |

| | | |
|----------------------------|--|--|
| 17. | Widening and strengthening of existing roads and construction of new roads. | Shall be done with proper Environment Impact Assessment and mitigation measures, as applicable. |
| 18. | Movement of vehicular traffic at night. | Regulated for commercial purpose, under applicable laws. |
| 19. | Introduction of exotic species. | Regulated under applicable laws. |
| 20. | Protection of hill slopes and river banks. | Regulated under applicable laws. |
| 21. | Commercial sign boards and hoardings. | Regulated under applicable laws. |
| 22. | Air (including noise) and vehicular pollution. | Regulated under applicable laws. |
| 23. | Discharge of treated effluents in natural water bodies or land area. | Recycling of treated effluent shall be encouraged and for disposal of sludge or solid wastes, the existing regulations shall be followed. |
| 24. | Small scale industries not causing pollution. | Non-polluting, non-hazardous, small-scale and service industry, agriculture, floriculture, horticulture or agro-based industry producing products from indigenous goods from the Eco-sensitive Zone which do not cause any adverse impact on environment shall be permitted. |
| 25. | Collection of Forest produce or Non-Timber Forest Produce . | Regulated under applicable laws. |
| 26. | Security Forces Camp. | Regulated under applicable laws. |
| 27. | New wood based industry. | No establishment of new wood based industry shall be permitted within the limits of Eco-sensitive Zone: Provided that new wood based industry may be set up in the Eco-sensitive using 100% imported wood stock. |
| 28. | Eco-friendly cottages for temporary occupation of tourists such as tents, wooden houses, etc. for eco-friendly tourism activities. | Regulated under applicable laws. |
| 29. | Solid Waste Management. | Regulated under applicable laws. |
| 30. | Eco-Tourism. | Regulated under applicable laws. |
| Promoted Activities | | |
| 31. | Ongoing agriculture and horticulture practices by local communities along with dairies, dairy farming and fisheries. | Permitted under applicable laws. |
| 32. | Rain water harvesting. | Shall be actively promoted. |
| 33. | Organic farming. | Shall be actively promoted. |
| 34. | Adoption of green technology for all activities. | Shall be actively promoted. |
| 35. | Use of renewable energy sources. | Permitted under applicable laws. |
| 36. | Vegetative fencing. | Permitted under applicable laws. |
| 37. | Cottage industries including village artisans, etc. | Shall be actively promoted. |
| 38. | Agro Forestry. | Shall be actively promoted. |
| 39. | Environmental Awareness. | Shall be actively promoted. |

5. **Eco-sensitive Zone Monitoring Committee.-** The Central Government hereby constitutes a Monitoring Committee for three years, for effective monitoring of the Eco-sensitive Zone, which shall comprise of the following, namely:-

- | | | |
|-----|---|---------------------|
| (a) | District Collector, Patiala | - Chairman |
| (b) | The Chief Conservator of Forests (Wildlife), Government of Punjab | - Member; |
| (c) | Representative of Department of Rural Development and Panchayat, Government of Punjab | - Member; |
| (d) | Regional Officer, Punjab State Pollution Control Board | -Member; |
| (e) | One representative of non-Governmental Organisation (Working in the field of environment including heritage Conservation) to be nominated by the Government of Punjab for a period of three years | -Member |
| (f) | An expert in the area of ecology and environment to be nominated by the Government of Punjab for a period of three years | -Member |
| (g) | Representative of Department of Rural Development and Housing Department, Government of Punjab | - Member; |
| (h) | Representative of Department of Agricultural, Government of Punjab | - Member; |
| (i) | Representative of State Bio Diversity Board | - Member; |
| (j) | Divisional Forest Officer (In-charge of PA) | - Member-Secretary. |

6. **Terms of Reference.-** (1) The Monitoring Committee shall monitor the compliance of the provisions of this notification.

- (2) The activities that are covered in the schedule to the notification of the Government of India in the erstwhile Ministry of Environment and Forests number S.O. 1533(E), dated the 14th September, 2006, and are falling in the Eco-sensitive Zone, except for the prohibited activities as specified in the table under paragraph 4 thereof, shall be scrutinised by the Monitoring Committee based on the actual site-specific conditions and referred to the Central Government in the Ministry of Environment, Forest and Climate Change for prior environmental clearances under the provisions of the said notification.
- (3) The activities that are not covered in the schedule to the notification of the Government of India in the erstwhile Ministry of Environment and Forests number S.O. 1533(E), dated the 14th September, 2006 and are falling in the Eco-sensitive Zone, except for the prohibited activities as specified in the table under paragraph 4 thereof, shall be scrutinised by the Monitoring Committee based on the actual site-specific conditions and referred to the concerned regulatory authorities.
- (4) The Member-Secretary of the Monitoring Committee or the concerned Chief Conservator of Forests (Wildlife) shall be competent to file complaints under section 19 of the Environment (Protection) Act, 1986 (29 of 1986) against any person who contravenes the provisions of this notification.
- (5) The Monitoring Committee may invite representatives or experts from concerned departments, industry associations or stakeholders to assist in its deliberations depending on the requirements on issue to issue basis.
- (6) The Monitoring Committee shall submit the annual action taken report of its activities as on 31st March every year by 30th June of that year to the Chief Wildlife Warden of the State as per proforma appended at **Annexure III**.
- (7) The Central Government in the Ministry of Environment, Forest and Climate Change may give such directions as it deems fit, to the Monitoring Committee for effective discharge of its functions.

6. The Central Government and State Government may specify additional measures, if any, for giving effect to provisions of this notification.

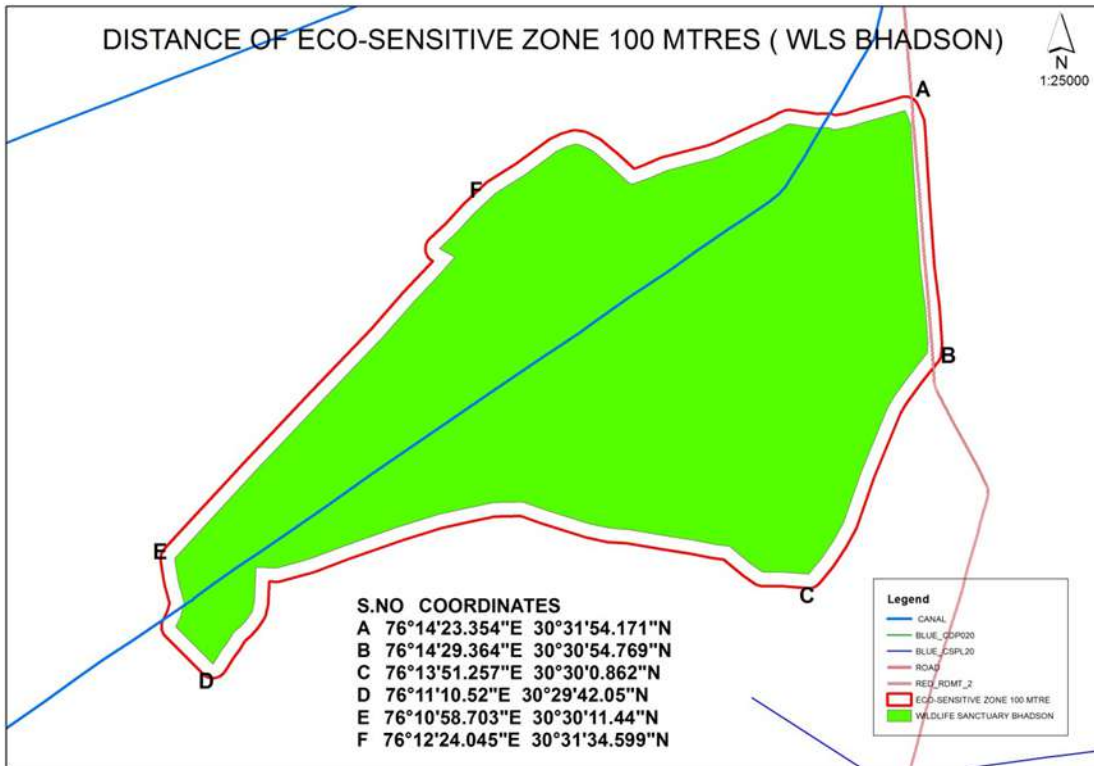
7. The provisions of this notification shall be subject to the orders, if any, passed, or to be passed by the Hon'ble Supreme Court of India or the High Court or the National Green Tribunal.

[F.No.25/26/2014-ESZ-RE]

Dr. T. CHANDINI, Scientist 'G'

Annexure I

Map of Eco-sensitive Zone boundary of Bir Bhadson Wildlife Sanctuary, Punjab together with its latitudes and longitude of extremes and extent.



Co-ordinates of Bir Bhadson Wildlife Sanctuary

| Sl. No. | Latitude | Longitude |
|---------|------------------|-------------------|
| 1. | 30°30' 11.893" N | 76° 13' 46.23" E |
| 2. | 30°31' 30.615" N | 76° 12' 30.892" E |
| 3. | 30°31' 32.185" N | 76° 13' 06.099" E |

ANNEXURE-II

Villages falling within the proposed Eco-sensitive Zone of Bir Bhadson Wildlife Sanctuary, Punjab.

| S.No | NAME | Latitude | | | Longitude | | |
|------|----------|----------|--------|--------|-----------|--------|--------|
| | | Degree | Minute | Second | Degree | Minute | Second |
| 1. | Ramgarh | 30 | 32 | 06.51 | 76 | 13 | 07.49 |
| 2. | Chahal | 30 | 32 | 44.76 | 76 | 14 | 15.97 |
| 3. | Dargapur | 30 | 32 | 19.85 | 76 | 13 | 30.97 |

| | | | | | | | |
|-----|----------------------|----|----|-------|----|----|-------|
| 4. | Ghunder | 30 | 32 | 06.22 | 76 | 13 | 07.52 |
| 5. | Khanoura | 30 | 32 | 05.51 | 76 | 11 | 42.29 |
| 6. | Punniwal (Sirinagar) | 30 | 31 | 19.81 | 76 | 11 | 30.19 |
| 7. | Raisal | 30 | 30 | 53.25 | 76 | 10 | 53.86 |
| 8. | Gobindpura | 30 | 30 | 37.73 | 76 | 10 | 06.90 |
| 9. | Hallotali | 30 | 29 | 32.41 | 76 | 11 | 54.23 |
| 10. | Sudhewal | 30 | 29 | 56.53 | 76 | 12 | 22.40 |
| 11. | Chaswal | 30 | 29 | 27.61 | 76 | 14 | 21.19 |
| 12. | Bhadson | 30 | 30 | 26.06 | 76 | 14 | 49.22 |
| 13. | BirAgol | 30 | 28 | 15.50 | 76 | 11 | 02.30 |

Annexure III**Proforma of Action Taken Report:- Eco-sensitive Zone Monitoring Committee.-**

1. Number and date of meetings.
2. Minutes of the meetings: mention main noteworthy points. Attached minutes of the meeting as separate annexure.
3. Status of preparation of Zonal Master Plan including Tourism Master Plan.
4. Summary of cases dealt for rectification of error apparent on face of land record. Details may be attached as annexure.
5. Summary of cases scrutinised for activities covered under Environment Impact Assessment notification, 2006. Details may be attached as separate Annexure.
6. Summary of case scrutinised for activities not covered under Environment Impact Assessment notification, 2006. Details may be attached as separate Annexure.
7. Summary of complaints lodged under section 19 of the Environment (Protection) Act, 1986.
8. Any other matter of importance.

Government of Punjab
Department of Forests and Wildlife Preservation
O/o Principal Chief Conservator of Forests (Wildlife) and
Chief Wildlife Warden, Punjab.
Forest Complex, Sector 68, S.A.S. Nagar.

To No.: _____

Divisional Forest Officer (Wildlife)
Patiala.

Dated: _____

Subject Approval of Wildlife Conservation Plan for Schedule -I species falling in the vicinity of Project "Expansion of existing steel manufacturing unit namely Madhav Alloys Pvt. Ltd. For increasing the production capacity to 525000 TPA of Billets 525000 TPA of TMT bars & wire rods, 120000 TPA of ERW & MS black pipes located at Village Bhagwanpur, Tehsil Amloh, District Fatehgarh Sahib and Village Akalgarh, Tehsil; Nabha, District Patiala.

Reference Your letter No. 476 dated 15.5.2019

Vide letter under reference on the subject cited above, you have communicated that M/s Madhav Alloys Pvt. Ltd. had deposited 17.00 lakh to your office as per Wildlife Conservation Plan. Now, as per your recommendations, final approval to the Wildlife Conservation Plan for the above cited project is hereby accorded subject to the following conditions:-

- (i) The Divisional Forest Officer (Wildlife), Patiala will undertake plantation of fruit and nesting trees in and around the project site so as to enrich the area with avian biodiversity.
- (ii) The Divisional Forest Officer (Wildlife), Patiala will conduct nature awareness programmes in the area and Project Proponent will extend their support and co-operation to Divisional Forest Officer (Wildlife), Patiala in this regard.
- (iii) The Project Proponent shall ensure the compliance to the provisions of all the Acts, Rules, Regulations and the Guidelines for the time being in force, as applicable to the Project.
- (iv) The funds deposited by the Project proponent are non-refundable.

This department may revoke/suspension the approval if any of the above said conditions is not implemented or found to be unsatisfactory. Divisional Forest Officer (Wildlife), Patiala will ensure the fulfilment of the above said conditions in letter and spirit.

Principal Chief Conservator of Forests (Wildlife)
and Chief Wildlife Warden,
Punjab, S.A.S. Nagar.

Endst. No. 1464-66 Dated: 20.5.2019

A copy is sent to the the followings for information and further necessary action.

1. Member Secretary, State Environment Impact Assessment Authority (SEIAA) O/o Punjab Pollution Control Board, Patiala.
2. Member Secretary, State Level Expert Appraisal Committee (SEAC Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector-26, Chandigarh.
3. ✓ M/s Madhav Alloys Pvt. Ltd., Village Akalgarh, Tehsil Nabha, District Patiala.

Handwritten signature
20/5/19

Principal Chief Conservator of Forests (Wildlife)
and Chief Wildlife Warden,
Punjab, S.A.S. Nagar.



PUNJAB POLLUTION CONTROL BOARD
 Zonal Office-II, Vatavaran Bhawan, Nabha Road, Patiala - 147001.
 Website:- www.ppcb.gov.in

| | | |
|--|------------------------------|----------------------------------|
| Office Dispatch No : | Registered/Speed Post | Date: |
| Industry Registration ID: R12PTA73369 | | Application No : 16269700 |

To,
Sudhir Goyal
Madhav Krg Limited,village Akalgarh,amloh Bhadson Road,near Toll Plaza
Fatehgarhsahib,Fatehgarhsahib-147203

Subject: Renewal of consent no. CTOA/Varied/FGS/2020/13177119 dated 19/11/2020 granted under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.

1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

| | |
|---|--|
| Consent to Operate Certificate No. | CTOA/Renewal/FGS/2021/16269700 |
| Date of issue : | 10/12/2021 |
| Date of expiry : | 09/06/2022 |
| Certificate Type : | Renewal |
| Previous CTO No. & Validity : | CTOA/Varied/FGS/2020/13177119 From:19/11/2020 To:31/03/2021 |

2. Particulars of the Industry

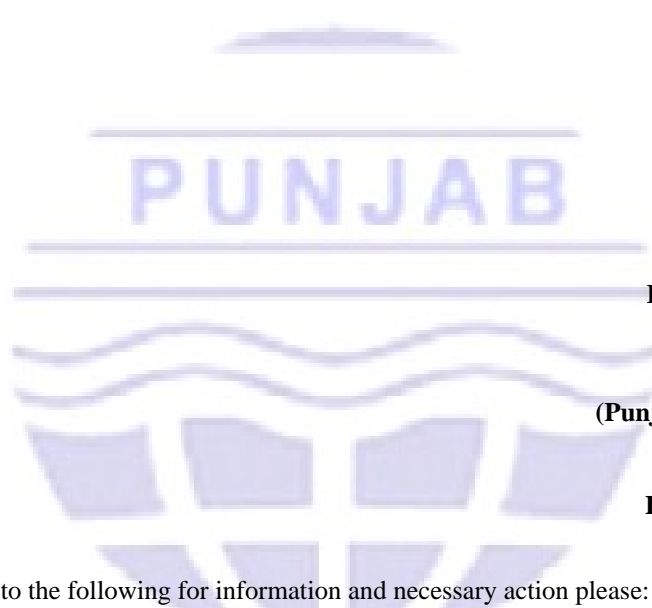
| | |
|--|--|
| Name & Designation of the Applicant | Sudhir Goyal, (Director) |
| Address of Industrial premises | Madhav Krg Limited, Vill. Akalgarh, Amloh Bhadson Road,near Toll Plaza, Amloh,Fatehgarh Sahib-147203 |
| Capital Investment of the Industry | 24975.36 lakhs |
| Category of Industry | Red |
| Type of Industry | 1044-Industry or process involving metal surface treatment or process such as pickling/electroplating/paint stripping/heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing |
| Scale of the Industry | Large |
| Office District | Fatehgarh Sahib |

This is with reference to the request made by the industry for renewal of consent granted by the Board under the Air (Prevention and Control of Pollution) Act, 1981.

The renewal of consent to operate granted to the industry vide no. CTOA/Varied/FGS/2020/13177119 dated 19/11/2020 valid upto 31/03/2021 under the Air (Prevention and Control of Pollution) Act, 1981 is hereby renewed upto 30/06/2022 with the same conditions as mentioned therein and special conditions that:

1. The industry shall ensure complete compliance of the conditions imposed in the Environmental Clearance and shall submit the same within two months time.
2. The industry shall submit completion cum adequacy certificate of its APCD from PSCST, Chandigarh.
3. The industry shall make the continuous emission monitoring system operational at all the time.
4. The industry shall get the performance study of APCD's & ETP from Board lab, with one month.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOA/Varied/FGS/2020/13177119 dated 19/11/2020 to the industry under the Air (Prevention & Control of Pollution) Act, 1981.



Om Parkash

10/12/2021

**(Om Parkash)
Environmental Engineer**

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Fatehgarh Sahib. She is requested to ensure the compliance of the consent conditions and submit the report accordingly.

Om Parkash

10/12/2021

**(Om Parkash)
Environmental Engineer**

For & on behalf

of

(Punjab Pollution Control Board)

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Madhav Krg Limited, Vill. Akalgarh, Amlah Bhadson Road, near Toll Plaza, Amlah, Fatehgarh Sahib, 147203

Page2



PUNJAB POLLUTION CONTROL BOARD

Zonal Office-II, Vatavaran Bhawan, Nabha Road, Patiala - 147001.

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R12PTA73369

Application No : 16258293

To,

Sudhir Goyal
Madhav Krg Limited,village Akalgarh,amloh Bhadson Road,near Toll Plaza
Fatehgarhsahib,Fatehgarhsahib-147203

Subject: Renewal of consent no. CTOW/Varied/FGS/2020/13272319 dated 30/10/2020 granted under the provisions of the Water (Prevention and Control of Pollution) Act, 1974.

1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

| | |
|------------------------------------|--|
| Consent to Operate Certificate No. | CTOW/Renewal/FGS/2021/16258293 |
| Date of issue : | 10/12/2021 |
| Date of expiry : | 09/06/2022 |
| Certificate Type : | Renewal |
| Previous CTO No. & Validity : | CTOW/Varied/FGS/2020/13272319 From:30/10/2020 To:31/03/2021 |

2. Particulars of the Industry

| | |
|-------------------------------------|--|
| Name & Designation of the Applicant | Sudhir Goyal, (Director) |
| Address of Industrial premises | Madhav Krg Limited, Vill. Akalgarh, Amloh Bhadson Road,near Toll Plaza, Amloh,Fatehgarh Sahib-147203 |
| Capital Investment of the Industry | 24975.36 lakhs |
| Category of Industry | Red |
| Type of Industry | 1044-Industry or process involving metal surface treatment or process such as pickling/electroplating/paint stripping/heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing |
| Scale of the Industry | Large |
| Office District | Fatehgarh Sahib |

This is with reference to the request made by the industry for renewal of consent granted by the Board under the Water (Prevention & Control of Pollution) Act, 1974.

The renewal of consent to operate granted to the industry vide no. CTOW/Varied/FGS/2020/13272319 dated 30/10/2020 valid upto 31/03/2021 under the Water (Prevention & Control of Pollution) Act, 1974 is hereby renewed upto 09/06/2022 with the same conditions as mentioned therein and special condition that the industry shall ensure complete compliance of the conditions imposed in the Environmental Clearance and shall submit the same within two months time at Regional Office, Fatehgarh Sahib.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOW/Varied/FGS/2020/13272319 dated 30/10/2020 to the industry under the Water (Prevention & Control of Pollution) Act, 1974.



10/12/2021

(Om Parkash)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Fatehgarh Sahib. She is requested to ensure the compliance of the consent conditions and submit the report accordingly.



10/12/2021

(Om Parkash)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)



PUNJAB POLLUTION CONTROL BOARD
 Zonal Office-2, Vatavaran Bhawan, Nabha Road, Patiala - 147001
 Website:- www.ppcb.gov.in

Office Dispatch No : **3151** Registered/Speed Post Date: **28/07/19**
 Industry Registration ID : **R12PTA73369** Application No : **9907914**

To, **SUDHIR GOYAL**
MADHAV ALLOYS PVT LTD, VILLAGE AKALGARH, AMLOH BHADSON ROAD, NEAR TOLL PLAZA
Fatehgarh Sahib, Fatehgarh Sahib-147203

Subject: Renewal of Authorization for operating a facility for 'Collection, Generation, Storage, Disposal, ' of Hazardous Wastes as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 .

SUDHIR GOYAL of Madhav alloys pvt. ltd. is hereby granted an authorisation based on the enclosed signed inspection report for Collection, Generation, Storage, Disposal, on the premises situated at Vill. akalgarh, amloh bhadson road, near toll plaza, Amloh, Fatehgarh sahib-147203

1. Particulars of Authorization granted to the Industry

| | |
|---|----------------------------|
| Authorization No | HWM/renew/FGS/2019/9907914 |
| Previous Authorization No | PBIP/PPCB/2014/HWA-1 |
| Date of issue : | 20/07/2019 |
| Date of expiry : | 30/07/2023 |
| Previous Authorization Date of Issue : | 26/05/2014 |
| Previous Authorization Date of Expiry : | 25/05/2019 |
| Authorization Type : | renew |

2. Particulars of the Industry

| | |
|-------------------------------------|--|
| Name & Designation of the Applicant | SUDHIR GOYAL, (DIRECTOR) |
| Address of Industrial premises | Madhav alloys pvt. ltd., Vill. akalgarh, amloh bhadson road, near toll plaza, Amloh, Fatehgarh sahib-147203 |
| Capital Investment of the Industry | 21243.78 lakhs |
| Category of Industry | Red |
| Type of Industry | 1044-Industry or process involving metal surface treatment or process such as pickling/electroplating/paint stripping/heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing |
| Scale of the Industry | Large |
| Office District | Fatehgarh sahib |

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Madhav alloys pvt. ltd., Vill. akalgarh, amloh bhadson road, near toll plaza, Amloh, Fatehgarh sahib, 147203

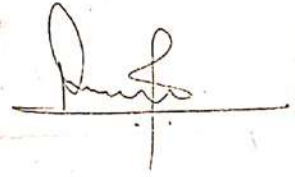
Page 1

3. Particulars of Wastes

| Category of Hazardous Waste as per the Schedules I,II and III of these rules | Authorised mode of disposal or recycling or utilisation or co-processing, etc | Quantity (ton/annum) |
|---|---|----------------------|
| Schedule I 35.1-Exhaust Air or Gas cleaning residue | Generation , Collection , Storage , Disposal | 1225 T/Annum |
| Schedule I 5.1-Used or spent oil | Generation , Collection , Storage , Disposal | 0.1 KL/Annum |
| Schedule I 35.3-Chemical sludge from waste water treatment | Generation , Collection , Storage , Disposal | 0.007 T/Annum |
| Schedule I 33.1-Empty barrels/containers/liners contaminated with hazardous chemicals /wastes | Generation , Collection , Storage , Disposal | 148 Number/Annum |

4. The authorisation is subject to the general and specific conditions as appended with the Authorization.

PUNJAB



20/07/2019

(Rajeev Gupta)
Environmental Engineer

For & on behalf

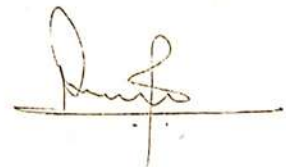
of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:
Environmental Engineer, Punjab Pollution Control Board, Regional Office, Sri Fatehgarh Sahib.

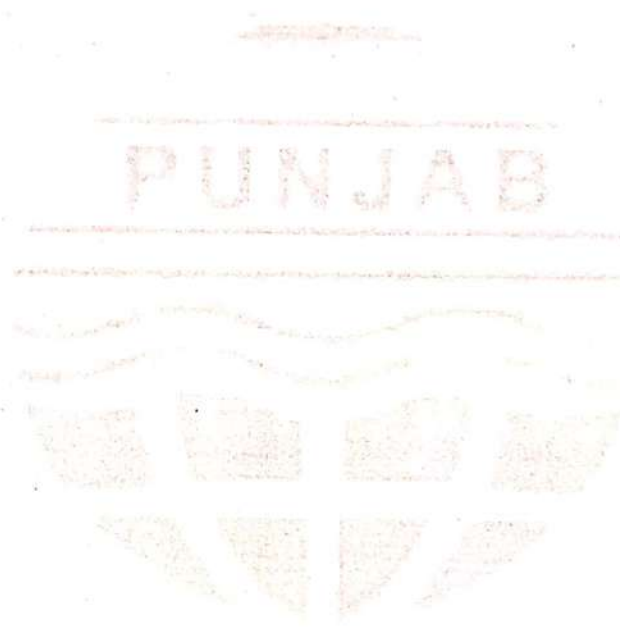


20/07/2019

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Madhwa allways pvt. Ltd., Vill. Akalgarh, Amloh Bhasdson road, near toll plaza, Amloh, Fatehgarh Sahib, 142205

(Rajeev Gupta)
Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)



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Madhav alloys pvt. ltd., Vill. akalgarh, amloh bhudson road, near toll plaza, Amloh, Fatchgarh sahib, 147203
Page 3

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time:
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on $\frac{1}{2}$ Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty $\frac{1}{2}$.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

B. SPECIFIC CONDITIONS

1. The industry shall dispose off its hazardous waste generated to the Common Hazardous Waste Treatment & Disposal Facility as per provisions of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
2. The industry shall handle the Hazardous Waste(s) strictly in accordance with the provisions of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 and guidelines issued by Central Pollution Control Board / Ministry of Environment & Forests and Climate Change, New Delhi.
3. The occupier generating hazardous waste/operator of a facility for collection and storage of hazardous waste shall maintain records of such operations in Form-3.
4. The occupier/operator of a facility shall send annual returns to the Board in form-4 on or before 30th day of the June following to the financial year to which that return relates.
5. The Authorized person shall report, about the accident which occurs at the hazardous waste storage/treatment site immediately to the Board.
6. An occupier who is generating hazardous waste shall store his waste category wise on site in environmentally sound manner till its treatment.
7. An occupier/generator shall not store hazardous wastes in open ground. It must be stored in an isolated site away from plant operational area.
8. The storage tank/container of the hazardous wastes should be in good condition and made of (or lined with) an appropriate material which does not react with the waste contained in it and can withstand the physical and environment conditions during storage and handling.
9. The occupier generating hazardous waste shall mark each container holding hazardous waste with the marking "HAZARDOUS WASTE" both in English and Punjabi.
10. The storage area should be fenced properly and a sign Board indicating "DANGER" and 'HAZARDOUS WASTE' sign & nature of the waste shall be placed at storage site.
11. The occupier generating hazardous waste shall provide the required safety devices like safety mask, goggles, hand-gloves, gum boots etc to the workers for handling the hazardous waste. The occupier shall impart training to the personnel/workers for handling and storage of hazardous wastes.
12. There should be sufficient & efficient provisions to avoid under ground water contamination from waste storage of hazardous wastes.
13. The occupier shall be responsible for any damage of life/property during storage of his waste and will obtain Public Liability Insurance, wherever applicable.
14. The occupier and operator of a facility also be liable to reinstate or restore damaged or destroyed elements of the environment at his cost, failing which the occupier or the operator of a facility, as the case may be, shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by the State Pollution Control Board.
15. The industry shall take steps wherever feasible, for reduction in hazardous waste generated or recycled or reused.
16. The industry shall display on line data outside the main factory gate on display Board of size (6ft. * 4ft.) on quantity and nature of hazardous chemicals being used in the plant, water & Air emissions and hazardous waste generated within factory premises.
17. Non compatible hazardous waste and material shall not be mixed in the same storage container.
18. The occupier of the transport facility shall ensure that the hazardous waste are shifted in the container in a manner suitable for handling storage and transport and the labeling and packaging shall be easily visible and able to withstand physical condition and climatic factors.
19. Packaging, Labelling of Used/Waste oil shall be in accordance with the provisions of the rules made by the Central Government under the Motor Vehicles Act, 1988 and other guidelines issued from time to time.
20. All hazardous waste chamber shall be provided with a general label as given in Form-8.
21. No transporter shall accept hazardous waste from any occupier for disposal unless it is accompanied by five copies of the manifest (form-9) as per the colour codes. The transporter shall give a copy of the manifest signed the dated in the occupier and retain the remaining four copies to be sued as prescribed in

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Mudhar alloys Pvt. Ltd., Vill. Akalgarh, Anandhi Bhandara road near I.D.I. ph. n. Anandhi Parkgarh salub. 147203

Page 2

sub-rule (5).

22. The occupier shall provide the transporter of seven copies of the manifest as per the colour code indicated below and all the copies shall be signed by the occupier :

Copy 1(White). Forwarded to the Punjab Pollution Control Board by the Occupier

Copy 2(Light Yellow) Signed by the Transporter and retained by the Occupier

Copy 3(Pink). Retained by the Operator of facility

Copy 4(Orange). Returned to the Transporter by the operator of facility after accepting waste.

Copy 5(Green). Forward to Punjab Pollution control Board by the operator of facility after disposal.

Copy 6(Blue). returned to the occupier by the operator of facility after disposal.

Copy 7(Grey). To be sent by the operator of the facility to the Punjab Pollution Control Board of the occupier in case the occupier is in another state.

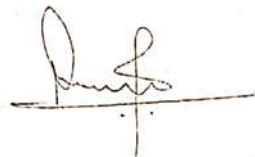
23. The occupier shall provide the transporter with relevant information in form to regarding the hazardous nature of the wastes and measures to be taken in case of an emergency.

24. The transporter shall transport the hazardous waste only in authorized vehicle for transportation of hazardous waste.

25. The person authorized for transportation of hazardous waste shall prior permission of the Board to close down the transportation facility.

26. The authorization is subject to the conditions mentioned above and also to such conditions as specified in the Hazardous waste (Management & Handling) Rules as amended from time to time framed under the Environment (Protection) Act 1986.

27. The industry shall lift the hazardous waste of Cat. 5.1 and 33.1 to the registered recyclers.



20/07/2019

(Rajeev Gupta)
Environmental Engineer

For & on behalf

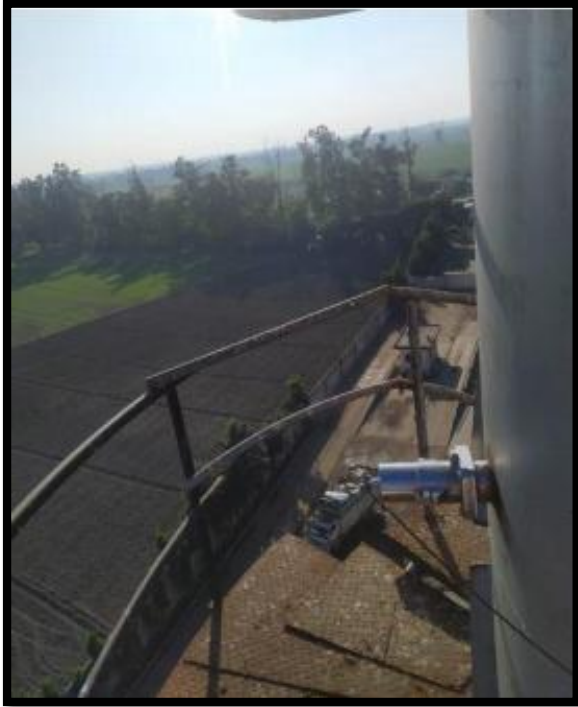
of

(Punjab Pollution Control Board)

PROJECT PHOTOGRAPHS



Photographs showing green area provided within project premises



Photographs of the online continuous monitoring system



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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-080422-14 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Ambient Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-14 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|---|
| 1 | Location of Sampling Station | Near Main Gate |
| 2 | Instrument Used for Sampling | Respirable Dust Sampler |
| 3 | Source of Sampling | Ambient Air Sample |
| 4 | Temperature of Sampling Location | 35°C |
| 5 | Environmental Condition | Max temp. 42°C |
| | | Min temp. 20°C |
| | | Clear sky and wind direction west to east |
| 6 | Flow Rate of Sampling | 0.5 LPM |
| 7 | Time Period for Sampling | 480Minutes |
| 8 | Volume of Air Sampled | 0.24 m ³ |

| Sr.N. | PARAMETERS | RESULTS | STANDARD | TEST METHOD |
|-------|---|---------|-------------------------|-------------------------|
| 1. | Respirable suspended particulate matter(PM ₁₀) | 92 | 100.0 µg/m ³ | IS 5182: 2006 |
| 2. | Sulphur dioxide (SO ₂) | 20 | 80.0 µg/m ³ | IS 5182 (Part-2): 2006 |
| 3. | Nitrogen dioxide (NO ₂) | 35 | 80.0 µg/m ³ | IS 5182 (Part-6): 2006 |
| 4. | Fine particulate matter (PM _{2.5}) | 51 | 60.0 µg/m ³ | IS 5182: 2006 |
| 5. | CO (One Hours) | ND | 2.0 mg/m ³ | NIOSH to 6604: 1996 |
| 6. | Nickel (Ni) | ND | 20.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 7. | Arsenic (As) | ND | 6.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 8. | Lead (Pb) | ND | 1.0 µg/m ³ | IS 5182 (Part-22): 2004 |
| 9. | Banzene (C ₆ H ₆) | ND | 5.0 µg/m ³ | IS 5182 (Part-11): 2006 |
| 10. | Benzo(a)pyrene (BaP) | ND | 1.0 ng/m ³ | IS 5182 (Part-12): 2006 |
| 11. | Ammonia (NH ₃) | ND | 400.0 µg/m ³ | NIOSH to 6015: 1994 |
| 12. | Ozone (O ₃) | ND | 100.0 µg/m ³ | IS 5182 (Part-9): 1974 |

Note: ND denotes NOT Detectable

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.

End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttarakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttarakhand

E. : noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com



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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-080422-15 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Ambient Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-15 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|---|
| 1 | Location of Sampling Station | Near Gate no-2/F.G Gate |
| 2 | Instrument Used for Sampling | Respirable Dust Sampler |
| 3 | Source of Sampling | Ambient Air Sample |
| 4 | Temperature of Sampling Location | 35°C |
| 5 | Environmental Condition | Max temp. 42°C |
| | | Min temp. 20°C |
| | | Clear sky and wind direction west to east |
| 6 | Flow Rate of Sampling | 0.5 LPM |
| 7 | Time Period for Sampling | 480Minutes |
| 8 | Volume of Air Sampled | 0.24 m ³ |

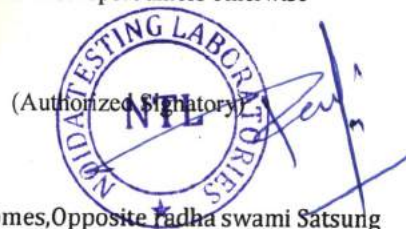
| Sr.N. | PARAMETERS | RESULTS | STANDARD | TEST METHOD |
|-------|---|---------|-------------------------|-------------------------|
| 1. | Respirable suspended particulate matter(PM ₁₀) | 88 | 100.0 µg/m ³ | IS 5182: 2006 |
| 2. | Sulphur dioxide (SO ₂) | 17 | 80.0 µg/m ³ | IS 5182 (Part-2): 2006 |
| 3. | Nitrogen dioxide (NO ₂) | 28 | 80.0 µg/m ³ | IS 5182 (Part-6): 2006 |
| 4. | Fine particulate matter (PM _{2.5}) | 47 | 60.0 µg/m ³ | IS 5182: 2006 |
| 5. | CO (One Hours) | ND | 2.0 mg/m ³ | NIOSH to 6604: 1996 |
| 6. | Nickel (Ni) | ND | 20.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 7. | Arsenic (As) | ND | 6.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 8. | Lead (Pb) | ND | 1.0 µg/m ³ | IS 5182 (Part-22): 2004 |
| 9. | Banzene (C ₆ H ₆) | ND | 5.0 µg/m ³ | IS 5182 (Part-11): 2006 |
| 10. | Benzo(a)pyrene (BaP) | ND | 1.0 ng/m ³ | IS 5182 (Part-12): 2006 |
| 11. | Ammonia (NH ₃) | ND | 400.0 µg/m ³ | NIOSH to 6015: 1994 |
| 12. | Ozone (O ₃) | ND | 100.0 µg/m ³ | IS 5182 (Part-9): 1974 |

Note: ND denotes NOT Detectable

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite Radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttrakhand

E. : noida.laboratory@gmail.com, info@noidalabs.com W. : www.noidalabs.com



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+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-080422-16 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Ambient Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-16 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|---|
| 1 | Location of Sampling Station | Near Stack Area |
| 2 | Instrument Used for Sampling | Respirable Dust Sampler |
| 3 | Source of Sampling | Ambient Air Sample |
| 4 | Temperature of Sampling Location | 35°C |
| 5 | Environmental Condition | Max temp. 42°C |
| | | Min temp. 20°C |
| | | Clear sky and wind direction west to east |
| 6 | Flow Rate of Sampling | 0.5 LPM |
| 7 | Time Period for Sampling | 480Minutes |
| 8 | Volume of Air Sampled | 0.24 m ³ |

| Sr.N. | PARAMETERS | RESULTS | STANDARD | TEST METHOD |
|-------|---|---------|-------------------------|-------------------------|
| 1. | Respirable suspended particulate matter(PM ₁₀) | 94 | 100.0 µg/m ³ | IS 5182: 2006 |
| 2. | Sulphur dioxide (SO ₂) | 20 | 80.0 µg/m ³ | IS 5182 (Part-2): 2006 |
| 3. | Nitrogen dioxide (NO ₂) | 43 | 80.0 µg/m ³ | IS 5182 (Part-6): 2006 |
| 4. | Fine particulate matter (PM _{2.5}) | 54 | 60.0 µg/m ³ | IS 5182: 2006 |
| 5. | CO (One Hours) | ND | 2.0 mg/m ³ | NIOSH to 6604: 1996 |
| 6. | Nickel (Ni) | ND | 20.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 7. | Arsenic (As) | ND | 6.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 8. | Lead (Pb) | ND | 1.0 µg/m ³ | IS 5182 (Part-22): 2004 |
| 9. | Banzen (C ₆ H ₆) | ND | 5.0 µg/m ³ | IS 5182 (Part-11): 2006 |
| 10. | Benzo(a)pyrene (BaP) | ND | 1.0 ng/m ³ | IS 5182 (Part-12): 2006 |
| 11. | Ammonia (NH ₃) | ND | 400.0 µg/m ³ | NIOSH to 6015: 1994 |
| 12. | Ozone (O ₃) | ND | 100.0 µg/m ³ | IS 5182 (Part-9): 1974 |

Note: ND denotes NOT Detectable

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar. Katgodam, Haldwani, Uttrakhand

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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-080422-17 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Ambient Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-17 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|---|
| 1 | Location of Sampling Station | Near Pipe And Tube Plant |
| 2 | Instrument Used for Sampling | Respirable Dust Sampler |
| 3 | Source of Sampling | Ambient Air Sample |
| 4 | Temperature of Sampling Location | 35°C |
| 5 | Environmental Condition | Max temp. 42°C |
| | | Min temp. 20°C |
| | | Clear sky and wind direction west to east |
| 6 | Flow Rate of Sampling | 0.5 LPM |
| 7 | Time Period for Sampling | 480Minutes |
| 8 | Volume of Air Sampled | 0.24 m ³ |

| Sr.N. | PARAMETERS | RESULTS | STANDARD | TEST METHOD |
|-------|---|---------|-------------------------|-------------------------|
| 1. | Respirable suspended particulate matter(PM ₁₀) | 92 | 100.0 µg/m ³ | IS 5182: 2006 |
| 2. | Sulphur dioxide (SO ₂) | 15 | 80.0 µg/m ³ | IS 5182 (Part-2): 2006 |
| 3. | Nitrogen dioxide (NO ₂) | 35 | 80.0 µg/m ³ | IS 5182 (Part-6): 2006 |
| 4. | Fine particulate matter (PM _{2.5}) | 46 | 60.0 µg/m ³ | IS 5182: 2006 |
| 5. | CO (One Hours) | ND | 2.0 mg/m ³ | NIOSH to 6604: 1996 |
| 6. | Nickel (Ni) | ND | 20.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 7. | Arsenic (As) | ND | 6.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 8. | Lead (Pb) | ND | 1.0 µg/m ³ | IS 5182 (Part-22): 2004 |
| 9. | Banzene (C ₆ H ₆) | ND | 5.0 µg/m ³ | IS 5182 (Part-11): 2006 |
| 10. | Benzo(a)pyrene (BaP) | ND | 1.0 ng/m ³ | IS 5182 (Part-12): 2006 |
| 11. | Ammonia (NH ₃) | ND | 400.0 µg/m ³ | NIOSH to 6015: 1994 |
| 12. | Ozone (O ₃) | ND | 100.0 µg/m ³ | IS 5182 (Part-9): 1974 |

Note: ND denotes NOT Detectable

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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-090422-03 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Ambient Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 08.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 09.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-03 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|---|
| 1 | Location of Sampling Station | Near Main Gate |
| 2 | Instrument Used for Sampling | Respirable Dust Sampler |
| 3 | Source of Sampling | Ambient Air Sample |
| 4 | Temperature of Sampling Location | 35°C |
| 5 | Environmental Condition | Max temp. 42°C Min temp. 20°C Clear sky and wind direction west to east |
| 6 | Flow Rate of Sampling | 0.5 LPM |
| 7 | Time Period for Sampling | 480Minutes |
| 8 | Volume of Air Sampled | 0.24 m ³ |

| Sr.N. | PARAMETERS | RESULTS | STANDARD | TEST METHOD |
|-------|---|---------|-------------------------|-------------------------|
| 1. | Respirable suspended particulate matter(PM ₁₀) | 89 | 100.0 µg/m ³ | IS 5182: 2006 |
| 2. | Sulphur dioxide (SO ₂) | 10 | 80.0 µg/m ³ | IS 5182 (Part-2): 2006 |
| 3. | Nitrogen dioxide (NO ₂) | 18 | 80.0 µg/m ³ | IS 5182 (Part-6): 2006 |
| 4. | Fine particulate matter (PM _{2.5}) | 42 | 60.0 µg/m ³ | IS 5182: 2006 |
| 5. | CO (One Hours) | ND | 2.0 mg/m ³ | NIOSH to 6604: 1996 |
| 6. | Nickel (Ni) | ND | 20.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 7. | Arsenic (As) | ND | 6.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 8. | Lead (Pb) | ND | 1.0 µg/m ³ | IS 5182 (Part-22): 2004 |
| 9. | Banzene (C ₆ H ₆) | ND | 5.0 µg/m ³ | IS 5182 (Part-11): 2006 |
| 10. | Benzo(a)pyrene (BaP) | ND | 1.0 ng/m ³ | IS 5182 (Part-12): 2006 |
| 11. | Ammonia (NH ₃) | ND | 400.0 µg/m ³ | NIOSH to 6015: 1994 |
| 12. | Ozone (O ₃) | ND | 100.0 µg/m ³ | IS 5182 (Part-9): 1974 |

Note: ND denotes NOT Detectable

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End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Khara, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha, Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-090422-04 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Ambient Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 08.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 09.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-04 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|---|
| 1 | Location of Sampling Station | Near STP |
| 2 | Instrument Used for Sampling | Respirable Dust Sampler |
| 3 | Source of Sampling | Ambient Air Sample |
| 4 | Temperature of Sampling Location | 35°C |
| 5 | Environmental Condition | Max temp. 42°C |
| | | Min temp. 20°C |
| | | Clear sky and wind direction west to east |
| 6 | Flow Rate of Sampling | 0.5 LPM |
| 7 | Time Period for Sampling | 480Minutes |
| 8 | Volume of Air Sampled | 0.24 m ³ |

| Sr.N. | PARAMETERS | RESULTS | STANDARD | TEST METHOD |
|-------|---|---------|-------------------------|-------------------------|
| 1. | Respirable suspended particulate matter(PM ₁₀) | 78 | 100.0 µg/m ³ | IS 5182: 2006 |
| 2. | Sulphur dioxide (SO ₂) | 05 | 80.0 µg/m ³ | IS 5182 (Part-2): 2006 |
| 3. | Nitrogen dioxide (NO ₂) | 10 | 80.0 µg/m ³ | IS 5182 (Part-6): 2006 |
| 4. | Fine particulate matter (PM _{2.5}) | 38 | 60.0 µg/m ³ | IS 5182: 2006 |
| 5. | CO (One Hours) | ND | 2.0 mg/m ³ | NIOSH to 6604: 1996 |
| 6. | Nickel (Ni) | ND | 20.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 7. | Arsenic (As) | ND | 6.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 8. | Lead (Pb) | ND | 1.0 µg/m ³ | IS 5182 (Part-22): 2004 |
| 9. | Banzene (C ₆ H ₆) | ND | 5.0 µg/m ³ | IS 5182 (Part-11): 2006 |
| 10. | Benzo(a)pyrene (BaP) | ND | 1.0 ng/m ³ | IS 5182 (Part-12): 2006 |
| 11. | Ammonia (NH ₃) | ND | 400.0 µg/m ³ | NIOSH to 6015: 1994 |
| 12. | Ozone (O ₃) | ND | 100.0 µg/m ³ | IS 5182 (Part-9): 1974 |

Note: ND denotes NOT Detectable

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End of Report

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha, Amloh Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-090422-05 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Ambient Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 08.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 09.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-05 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|---|
| 1 | Location of Sampling Station | Near Water Pond |
| 2 | Instrument Used for Sampling | Respirable Dust Sampler |
| 3 | Source of Sampling | Ambient Air Sample |
| 4 | Temperature of Sampling Location | 35°C |
| 5 | Environmental Condition | Max temp. 42°C |
| | | Min temp. 20°C |
| | | Clear sky and wind direction west to east |
| 6 | Flow Rate of Sampling | 0.5 LPM |
| 7 | Time Period for Sampling | 480Minutes |
| 8 | Volume of Air Sampled | 0.24 m ³ |

| Sr.N. | PARAMETERS | RESULTS | STANDARD | TEST METHOD |
|-------|---|---------|-------------------------|-------------------------|
| 1. | Respirable suspended particulate matter(PM ₁₀) | 80 | 100.0 µg/m ³ | IS 5182: 2006 |
| 2. | Sulphur dioxide (SO ₂) | 07 | 80.0 µg/m ³ | IS 5182 (Part-2): 2006 |
| 3. | Nitrogen dioxide (NO ₂) | 13 | 80.0 µg/m ³ | IS 5182 (Part-6): 2006 |
| 4. | Fine particulate matter (PM _{2.5}) | 43 | 60.0 µg/m ³ | IS 5182: 2006 |
| 5. | CO (One Hours) | ND | 2.0 mg/m ³ | NIOSH to 6604: 1996 |
| 6. | Nickel (Ni) | ND | 20.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 7. | Arsenic (As) | ND | 6.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 8. | Lead (Pb) | ND | 1.0 µg/m ³ | IS 5182 (Part-22): 2004 |
| 9. | Banzena (C ₆ H ₆) | ND | 5.0 µg/m ³ | IS 5182 (Part-11): 2006 |
| 10. | Benzo(a)pyrene (BaP) | ND | 1.0 ng/m ³ | IS 5182 (Part-12): 2006 |
| 11. | Ammonia (NH ₃) | ND | 400.0 µg/m ³ | NIOSH to 6015: 1994 |
| 12. | Ozone (O ₃) | ND | 100.0 µg/m ³ | IS 5182 (Part-9): 1974 |

Note: ND denotes NOT Detectable

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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite ratha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha, Amloh Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-090422-06 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Ambient Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 08.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 09.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-06 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|---|
| 1 | Location of Sampling Station | Near Slag Crusher Area |
| 2 | Instrument Used for Sampling | Respirable Dust Sampler |
| 3 | Source of Sampling | Ambient Air Sample |
| 4 | Temperature of Sampling Location | 35°C |
| 5 | Environmental Condition | Max temp. 42°C |
| | | Min temp. 20°C |
| | | Clear sky and wind direction west to east |
| 6 | Flow Rate of Sampling | 0.5 LPM |
| 7 | Time Period for Sampling | 480Minutes |
| 8 | Volume of Air Sampled | 0.24 m ³ |

| Sr.N. | PARAMETERS | RESULTS | STANDARD | TEST METHOD |
|-------|---|---------|-------------------------|-------------------------|
| 1. | Respirable suspended particulate matter(PM ₁₀) | 85 | 100.0 µg/m ³ | IS 5182: 2006 |
| 2. | Sulphur dioxide (SO ₂) | 04 | 80.0 µg/m ³ | IS 5182 (Part-2): 2006 |
| 3. | Nitrogen dioxide (NO ₂) | 08 | 80.0 µg/m ³ | IS 5182 (Part-6): 2006 |
| 4. | Fine particulate matter (PM _{2.5}) | 44 | 60.0 µg/m ³ | IS 5182: 2006 |
| 5. | CO (One Hours) | ND | 2.0 mg/m ³ | NIOSH to 6604: 1996 |
| 6. | Nickel (Ni) | ND | 20.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 7. | Arsenic (As) | ND | 6.0 ng/m ³ | IS 5182 (Part-22): 2004 |
| 8. | Lead (Pb) | ND | 1.0 µg/m ³ | IS 5182 (Part-22): 2004 |
| 9. | Banzene (C ₆ H ₆) | ND | 5.0 µg/m ³ | IS 5182 (Part-11): 2006 |
| 10. | Benzo(a)pyrene (BaP) | ND | 1.0 ng/m ³ | IS 5182 (Part-12): 2006 |
| 11. | Ammonia (NH ₃) | ND | 400.0 µg/m ³ | NIOSH to 6015: 1994 |
| 12. | Ozone (O ₃) | ND | 100.0 µg/m ³ | IS 5182 (Part-9): 1974 |

Note: ND denotes NOT Detectable

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

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TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|----------------------|-----------------|------------------|-----------------------|
| Report No. | ST-080422-13 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Process Stack |
| Sample Code given by | OLD | Date of sampling | 07.04.2022 |
| Customer | | Date of Sample | 08.04.2022 |
| Sampling Location | Within Premises | Receipt | |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-13 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022-13.04.2022 |

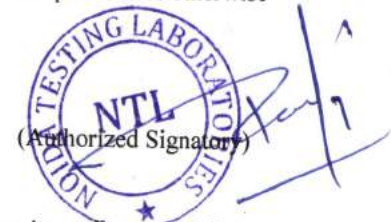
TECHNICAL DATA

| | | |
|----|--------------------------------|------------------------------------|
| 1 | Instrument Used for Sampling | VSSI |
| 2 | Source of Emission | Process Stack of Induction Furnace |
| 3 | Fuel used in source | Electricity |
| 4 | Type of stack | Circular of Metal |
| 5 | Velocity of fuel gases | 10.60m/s |
| 6 | Sampling Duration | 50min. |
| 7 | Ambient air temperature | 35 °C |
| 8 | Stack temperature | 103°C |
| 9 | Stack height from ground level | 36.5 Mtr (GL) |
| 10 | Diameter of stack | U-1.6Mtr L-3Mtr |
| 11 | No. of traverse point selected | 01 |
| 12 | Type of APCD Installed | Cyclone & Bag House Filter |

| S. NO | PARAMETER | RESULT (mg/nm ³) | Limits (mg/nm ³) CPCB-2010 | TEST METHOD |
|-------|--|------------------------------|---|-----------------------|
| 1. | Particulate Matter, mg/Nm ³ | 29.5 | 50 | IS:11255(Pt -1): 1985 |

Note:

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3. The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



** End of Report **

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|--------------------------------|------------------------------------|-----------------------|
| Report No. | ST-080422-28 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Process Stack |
| Sample Code given by Customer | NEW | Date of sampling | 07.04.2022 |
| | | Date of Sample Receipt | 08.04.2022 |
| Sampling Location | Within Premises | Sample I.D. | NTL/LAB-28 |
| Sample Collected By | Lab Person | | |
| Sampling procedure | As per SOP | Date of test | 08.04.2022-13.04.2022 |
| TECHNICAL DATA | | | |
| 1 | Instrument Used for Sampling | VSSI | |
| 2 | Source of Emission | Process Stack of Induction Furnace | |
| 3 | Fuel used in source | Electricity | |
| 4 | Type of stack | Circular of Metal | |
| 5 | Velocity of fuel gases | 10.07m/s | |
| 6 | Sampling Duration | 52min. | |
| 7 | Ambient air temperature | 35 °C | |
| 8 | Stack temperature | 118°C | |
| 9 | Stack height from ground level | 40 Mtr (GL) | |
| 10 | Diameter of stack | U-1.85Mtr L-3Mtr | |
| 11 | No. of traverse point selected | 01 | |
| 12 | Type of APCD Installed | Cyclone & Bag House Filter | |

| S. NO | PARAMETER | RESULT (mg/nm ³) | Limits (mg/nm ³) CPCB-2010 | TEST METHOD |
|-------|----------------------------|------------------------------|--|-----------------------|
| 1. | Particulate Matter, mg/Nm3 | 9.05 | 50 | IS:11255(Pt -1): 1985 |

Note:

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3. The sample will be destroyed after Thirty days from the date of issue of test report unless otherwise specified.



** End of Report **

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|-----------------------|
| Report No. | ST-110422-05 | Report Date | 14.04.2022 |
| Your Ref. No | Nil | Type of sample | Process Stack |
| Sample Code given by Customer | OLD HCL / CGL | Date of sampling | 09.04.2022 |
| | | Date of Sample Receipt | 11.04.2022 |
| Sampling Location | Within Premises | | |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-05 |
| Sampling procedure | As per SOP | Date of test | 11.04.2022-14.04.2022 |

TECHNICAL DATA

| | | |
|----|--------------------------------|-------------------------------|
| 1 | Instrument Used for Sampling | VSSI |
| 2 | Source of Emission | Process Stack of Wet Scrubber |
| 3 | Fuel used in source | Electricity |
| 4 | Type of stack | Circular of Metal |
| 5 | Velocity of fuel gases | 10.19m/s |
| 6 | Sampling Duration | 45 min. |
| 7 | Ambient air temperature | 35 °C |
| 8 | Stack temperature | 88°C |
| 9 | Stack height from ground level | 17 Mtr (GL) |
| 10 | Diameter of stack | 400mm |
| 11 | No. of traverse point selected | 01 |
| 12 | Type of APCD Installed | Wet Scrubber |

| S. NO | PARAMETER | RESULT (mg/nm ³) | Limits (mg/nm ³) CPCB-2010 | TEST METHOD |
|-------|--|------------------------------|--|-----------------------|
| 1. | Particulate Matter, mg/Nm ³ | 24.2 | 50 | IS:11255(Pt -1): 1985 |
| 2. | Acid Mist(as HCL), mg/Nm ³ | 13 | 50 | LAB SOP |

Note:

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** End of Report **

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

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TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|--------------------------------|------------------------------|-----------------------|
| Report No. | ST-110422-04 | Report Date | 14.04.2022 |
| Your Ref. No | Nil | Type of sample | Process Stack |
| Sample Code given by Customer | Nil | Date of sampling | 09.04.2022 |
| | | Date of Sample Receipt | 11.04.2022 |
| Sampling Location | Within Premises | | |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-04 |
| Sampling procedure | As per SOP | Date of test | 11.04.2022-14.04.2022 |
| TECHNICAL DATA | | | |
| 1 | Instrument Used for Sampling | VSSI | |
| 2 | Source of Emission | Process Stack of CGR/CGL FES | |
| 3 | Fuel used in source | Electricity | |
| 4 | Type of stack | Circular of Metal | |
| 5 | Velocity of fuel gases | 9.85m/s | |
| 6 | Sampling Duration | 42 min. | |
| 7 | Ambient air temperature | 35 °C | |
| 8 | Stack temperature | 156 °C | |
| 9 | Stack height from ground level | 15 Mtr (GL) | |
| 10 | Diameter of stack | 500mm | |
| 11 | No. of traverse point selected | 01 | |
| 12 | Type of APCD Installed | Wet Scrubber | |

| S. NO | PARAMETER | RESULT (mg/nm ³) | Limits (mg/nm ³) CPCB-2010 | TEST METHOD |
|-------|--|------------------------------|--|-----------------------|
| 1. | Particulate Matter, mg/Nm ³ | 15.3 | 50 | IS:11255(Pt -1): 1985 |

Note:

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** End of Report **

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

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TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha Amloh Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|----------------------------------|-----------------|---------------------------|-----------------------|
| Report No. | ST-090422-02 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Process Stack |
| Sample Code given by Customer | Nil | Date of sampling | 08.04.2022 |
| | | Date of Sample Receipt | 09.04.2022 |
| Sampling Location | Within Premises | | |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-02 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022-13.04.2022 |

TECHNICAL DATA

| | | |
|----|--------------------------------|------------------------------------|
| 1 | Instrument Used for Sampling | VSSI |
| 2 | Source of Emission | Process Stack of Induction Furnace |
| 3 | Fuel used in source | Electricity |
| 4 | Type of stack | Circular of Metal |
| 5 | Velocity of fuel gases | 8.91m/s |
| 6 | Sampling Duration | 51min. |
| 7 | Ambient air temperature | 35 °C |
| 8 | Stack temperature | 96°C |
| 9 | Stack height from ground level | 20 Mtr (GL) |
| 10 | Diameter of stack | 600mm |
| 11 | No. of traverse point selected | 01 |

| S. NO | PARAMETER | RESULT (mg/nm ³) | Limits (mg/nm ³) CPCB-2010 | TEST METHOD |
|-------|----------------------------|------------------------------|--|-----------------------|
| 1. | Particulate Matter, mg/Nm3 | 19.4 | 50 | IS:11255(Pt -1): 1985 |

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** End of Report **



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Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

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TEST CERTIFICATE

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Village- Bhadalthuha, Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|-----------------------|
| Report No. | ST-090422-12 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Process Stack |
| Sample Code given by Customer | Nil | Date of sampling | 08.04.2022 |
| | | Date of Sample Receipt | 09.04.2022 |
| Sampling Location | Within Premises | | |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-12 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022-13.04.2022 |

TECHNICAL DATA

| | | |
|----|--------------------------------|---|
| 1 | Instrument Used for Sampling | VSSI |
| 2 | Source of Emission | Process Stack of Calcination Chamber Wet Scrubber |
| 3 | Fuel used in source | Electricity |
| 4 | Type of stack | Circular of Metal |
| 5 | Velocity of fuel gases | 7.51m/s |
| 6 | Sampling Duration | 60 min. |
| 7 | Ambient air temperature | 35°C |
| 8 | Stack temperature | 85°C |
| 9 | Stack height from ground level | 20 Mtr (GL) |
| 10 | Diameter of stack | 900mm |
| 11 | No. of traverse point selected | 01 |
| 12 | Type of APCD Installed | Wet Scrubber |

| S. NO | PARAMETER | RESULT (mg/nm ³) | Limits (mg/nm ³) CPCB-2010 | TEST METHOD |
|-------|--|------------------------------|--|-----------------------|
| 1. | Particulate Matter, mg/Nm ³ | 9.32 | 50 | IS:11255(Pt -1): 1985 |

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** End of Report **



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Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

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TEST CERTIFICATE

To
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Village- Bhadalthuha, Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|-----------------------|
| Report No. | ST-090422-13 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Process Stack |
| Sample Code given by Customer | Nil | Date of sampling | 08.04.2022 |
| | | Date of Sample Receipt | 09.04.2022 |
| Sampling Location | Within Premises | Sample I.D. | NTL/LAB-13 |
| Sample Collected By | Lab Person | Date of test | 09.04.2022-13.04.2022 |
| Sampling procedure | As per SOP | | |

TECHNICAL DATA

| | | |
|----|--------------------------------|--|
| 1 | Instrument Used for Sampling | VSSI |
| 2 | Source of Emission | Process Stack of Electrowining Section Wet Scrubber |
| 3 | Fuel used in source | Electricity |
| 4 | Type of stack | Circular of Metal |
| 5 | Velocity of fuel gases | 8.02m/s |
| 6 | Sampling Duration | 55min. |
| 7 | Ambient air temperature | 35 °C |
| 8 | Stack temperature | 81°C |
| 9 | Stack height from ground level | 20 Mtr (GL) |
| 10 | Diameter of stack | 700 mm |
| 11 | No. of traverse point selected | 01 |
| 12 | Type of APCD Installed | Wet Scrubber |

| S. NO | PARAMETER | RESULT (mg/nm ³) | Limits (mg/nm ³) CPCB-2010 | TEST METHOD |
|-------|--|------------------------------|---|-----------------------|
| 1. | Particulate Matter, mg/Nm ³ | 16.08 | 50 | IS:11255(Pt -1): 1985 |
| 2. | Acid Mist(as HCL), mg/Nm ³ | 06 | ... | LAB SOP |
| 3. | Ammonia, mg/Nm ³ | 03 | ... | APHA METHOD 801 |

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** End of Report **



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung
Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttrakhand

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TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-080422-18 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Work Zone Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-18 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022 to 13.04.2022 |

| TECHNICAL DATA | |
|----------------|----------------------------------|
| 1 | Location of Sampling Station |
| 2 | Instrument Used for Sampling |
| 3 | Source of Sampling |
| 4 | Temperature of Sampling Location |
| 5 | Flow Rate of Sampling |
| 6 | Time Period for Sampling |

| Sr.N. | PARAMETERS | RESULTS | Standards | TEST METHOD |
|-------|------------------------|---------|-----------|---|
| 1. | Ammonia(NH4) | ND | 18 | NIOSH to 6015: 1994 |
| 2. | Lead (Pb) | 0.15 | 50 | IS 5182 (Part-22): 2004 |
| 3. | Nickel (Ni) | 0.11 | 0.5 | IS 5182 (Part-22): 2004 |
| 4. | Zinc Oxide(Total Dust) | 0.36 | 15 | OSHA, Method ID-143 |
| | Respirable Fraction | 0.104 | 05 | OSHA, Method ID-143 |
| 5. | Cadmium(Cd) | ND | 05 | APHA 23 rd Edition 2017-3111 B |

Note: ND Denotes Not Detectable

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End of Report



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Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

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TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha, Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|--------------------------|
| Report No. | AA-090422-07 | Report Date | 13.04.2022 |
| Your Ref. No | Nil | Type of sample | Work Zone Air Sample |
| Sample Code Given by Customer | Nil | Date of sampling | 08.04.2022 |
| Sampling Location | Within Premises | Date of Sample Receipt | 09.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-07 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022 to 13.04.2022 |

TECHNICAL DATA

| | | |
|---|----------------------------------|----------------------|
| 1 | Location of Sampling Station | Work Zone Area |
| 2 | Instrument Used for Sampling | Handy Sampler |
| 3 | Source of Sampling | Work Zone Air Sample |
| 4 | Temperature of Sampling Location | 32°C |
| 5 | Flow Rate of Sampling | 2.0 LPM |
| 6 | Time Period for Sampling | 30 Minutes |

| Sr.N. | PARAMETERS | RESULTS | Standards | TEST METHOD |
|-------|------------------------|---------|-----------|---|
| 1. | Ammonia(NH4) | ND | 18 | NIOSH to 6015: 1994 |
| 2. | Lead (Pb) | 0.08 | 50 | IS 5182 (Part-22): 2004 |
| 3. | Nickel (Ni) | 0.004 | 0.5 | IS 5182 (Part-22): 2004 |
| 4. | Zinc Oxide(Total Dust) | 0.22 | 15 | OSHA, Method ID-143 |
| | Respirable Fraction | 0.101 | 05 | OSHA, Method ID-143 |
| 5. | Cadmium(Cd) | ND | 05 | APHA 23 rd Edition 2017-3111 B |

Note: ND Denotes Not Detectable

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End of Report



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Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

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TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|------------------------|
| Report No. | WW-080422-19 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | ETP Inlet |
| Sample Code given by customer | Nil | Quantity | 2 LITER |
| | | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of sample receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-19 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022- 13.04.2022 |

| S. NO. | PARAMETERS | TEST RESULTS | TEST METHODS |
|--------|---|--------------|--------------------------|
| 1. | pH | 4.55 | IS 3025(Part-11): 2002 |
| 2. | Total Suspended Solids, mg/L | 60 | IS 3025 (Part-17) : 1984 |
| 3. | Total Dissolved Solid, mg/L | 1452 | IS 3025 (Part-16) : 1984 |
| 4. | Bio-chemical Oxygen Demand at 27°C 3 days, mg/L | 63 | IS 3025 (Part-44): 2003 |
| 5. | Chemical Oxygen Demand, mg/L | 240 | IS 3025 (part-58) : 2006 |
| 6. | Oil and Grease, mg/L | 21 | IS 3025 (Part-39): 2003 |
| 7. | Total Hardness(as CaCO ₃) mg/l, | 270 | IS 3025 (Part-21) : 2009 |
| 8. | Alkalinity (as CaCO ₃) mg/l | 305 | IS 3025 (Part-23): 2003 |
| 9. | Iron (as Fe) mg/l | 70 | IS 3025 (Part-53): 2003 |
| 10. | Conductivity, micro mhos/cm at 25°C | 2856 | IS 3025 (Part-14): 1984 |
| 11. | Total Phosphate as PO ₄ | ND | IS 3025 (Part-31): 2003 |
| 12. | Chloride (as Cl), mg/l, | 151 | IS 3025 (Part-32): 2007 |
| 13. | Turbidity, NTU max | 18 | IS 3025 (Part-10) : 2002 |

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End of Report



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Bhawan, Kharar, Mohali, Punjab-140301

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TEST CERTIFICATE

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M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|------------------------|
| Report No. | WW-080422-20 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | ETP Outlet |
| Sample Code given by customer | Nil | Quantity | 2 LITER |
| | | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of sample receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-20 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022- 13.04.2022 |

| S. NO. | PARAMETERS | TEST RESULTS | TEST METHODS |
|--------|--|--------------|--------------------------|
| 1. | pH | 11.05 | IS 3025(Part-11): 2002 |
| 2. | Total Suspended Solids, mg/L | 07 | IS 3025 (Part-17) : 1984 |
| 3. | Total Dissolved Solid, mg/L | 960 | IS 3025 (Part-16) : 1984 |
| 4. | Bio-chemical Oxygen Demand at 27 ^o C 3 days, mg/L | 12 | IS 3025 (Part-44): 2003 |
| 5. | Chemical Oxygen Demand, mg/L | 85 | IS 3025 (part-58) : 2006 |
| 6. | Oil and Grease, mg/L | 02 | IS 3025 (Part-39): 2003 |
| 7. | Total Hardness(as CaCO ₃) mg/l, | 42 | IS 3025 (Part-21) : 2009 |
| 8. | Alkalinity (as CaCO ₃) mg/l | 50 | IS 3025 (Part-23): 2003 |
| 9. | Iron (as Fe) mg/l | 0.12 | IS 3025 (Part-53): 2003 |
| 10. | Conductivity, micro mhos/cm at 25 ^o C | 1920 | IS 3025 (Part-14): 1984 |
| 11. | Total Phosphate as PO ₄ | ND | IS 3025 (Part-31): 2003 |
| 12. | Chloride (as Cl), mg/l, | 75 | IS 3025 (Part-32): 2007 |
| 13. | Turbidity, NTU max | <01 | IS 3025 (Part-10) : 2002 |

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End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|------------------------|
| Report No. | WW-080422-21 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | ETP RO Reject Water |
| Sample Code given by customer | After RO | Quantity | 2 LITER |
| | | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of sample receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-21 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022- 13.04.2022 |

| S. NO. | PARAMETERS | TEST RESULTS | TEST METHODS |
|--------|---|--------------|--------------------------|
| 1. | pH | 8.14 | IS 3025(Part-11): 2002 |
| 2. | Total Suspended Solids, mg/L | ND | IS 3025 (Part-17) : 1984 |
| 3. | Total Dissolved Solid, mg/L | 920 | IS 3025 (Part-16) : 1984 |
| 4. | Bio-chemical Oxygen Demand at 27°C 3 days, mg/L | 06 | IS 3025 (Part-44): 2003 |
| 5. | Chemical Oxygen Demand, mg/L | 35 | IS 3025 (part-58) : 2006 |
| 6. | Oil and Grease, mg/L | ND | IS 3025 (Part-39): 2003 |
| 7. | Total Hardness(as CaCO ₃) mg/l, | 215 | IS 3025 (Part-21) : 2009 |
| 8. | Alkalinity (as CaCO ₃) mg/l | 320 | IS 3025 (Part-23): 2003 |
| 9. | Iron (as Fe) mg/l | 0.18 | IS 3025 (Part-53): 2003 |
| 10. | Conductivity, micro mhos/cm at 25°C | 1025 | IS 3025 (Part-14): 1984 |
| 11. | Total Phosphate as PO ₄ | ND | IS 3025 (Part-31): 2003 |
| 12. | Chloride (as Cl), mg/l, | 106 | IS 3025 (Part-32): 2007 |
| 13. | Turbidity, NTU max | <01 | IS 3025 (Part-10) : 2002 |

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End of Report



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Bhawan, Kharar, Mohali, Punjab-140301

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|------------------------|
| Report No. | WW-080422-22 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | STP Inlet |
| Sample Code given by customer | Nil | Quantity | 2 LITER |
| | | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of sample receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-22 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022- 13.04.2022 |

| S. NO. | PARAMETERS | TEST RESULTS | TEST METHODS |
|--------|---|--------------|-------------------------|
| 1. | pH | | |
| 2. | Total Suspended Solids, mg/L | 7.33 | IS 3025 (Part-11): 2002 |
| 3. | Total Dissolved Solid, mg/L | 180 | IS 3025 (Part-17): 1984 |
| 4. | Bio-chemical Oxygen Demand at 27°C 3 days, mg/L | 840 | IS 3025 (Part-16): 1984 |
| 5. | Chemical Oxygen Demand, mg/L | 70 | IS 3025 (Part-44): 2003 |
| 6. | Oil and Grease, mg/L | 202 | IS 3025 (part-58): 2006 |
| 7. | Total Hardness(as CaCO ₃) mg/l, | 32 | IS 3025 (Part-39): 2003 |
| 8. | Alkalinity (as CaCO ₃) mg/l | 345 | IS 3025 (Part-21): 2009 |
| 9. | Iron (as Fe) mg/l | 360 | IS 3025 (Part-23): 2003 |
| 10. | Conductivity, micro mhos/cm at 25°C | 0.08 | IS 3025 (Part-53): 2003 |
| 11. | Total Phosphate as PO ₄ | 1286 | IS 3025 (Part-14): 1984 |
| 12. | Chloride (as Cl), mg/l, | 18 | IS 3025 (Part-31): 2003 |
| 13. | Turbidity, NTU max | 132 | IS 3025 (Part-32): 2007 |
| | | 15 | IS 3025 (Part-10): 2002 |

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End of Report



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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha, Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|------------------------|
| Report No. | WW-090422-08 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | STP Inlet |
| Sample Code given by customer | Nil | Quantity | 2 LITER |
| | | Date of sampling | 08.04.2022 |
| Sampling Location | Within Premises | Date of sample receipt | 09.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-08 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022- 13.04.2022 |

| S. NO. | PARAMETERS | TEST RESULTS | TEST METHODS |
|--------|--|--------------|--------------------------|
| 1. | pH | 7.36 | IS 3025(Part-11): 2002 |
| 2. | Total Suspended Solids, mg/L | 80 | IS 3025 (Part-17) : 1984 |
| 3. | Total Dissolved Solid, mg/L | 940 | IS 3025 (Part-16) : 1984 |
| 4. | Bio-chemical Oxygen Demand at 27 ^o C 3 days, mg/L | 56 | IS 3025 (Part-44): 2003 |
| 5. | Chemical Oxygen Demand, mg/L | 260 | IS 3025 (part-58) : 2006 |
| 6. | Oil and Grease, mg/L | 30 | IS 3025 (Part-39): 2003 |
| 7. | Total Hardness(as CaCO ₃) mg/l, | 260 | IS 3025 (Part-21) : 2009 |
| 8. | Alkalinity (as CaCO ₃) mg/l | 270 | IS 3025 (Part-23): 2003 |
| 9. | Iron (as Fe) mg/l | 0.09 | IS 3025 (Part-53): 2003 |
| 10. | Conductivity, micro mhos/cm at 25 ^o C | 1563 | IS 3025 (Part-14): 1984 |
| 11. | Total Phosphate as PO ₄ | 05 | IS 3025 (Part-31): 2003 |
| 12. | Chloride (as Cl), mg/l, | 113 | IS 3025 (Part-32): 2007 |
| 13. | Turbidity, NTU max | 12 | IS 3025 (Part-10) : 2002 |

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End of Report



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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|------------------------|
| Report No. | WW-080422-23 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | STP Outlet |
| Sample Code given by customer | Nil | Quantity | 2 LITER |
| | | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of sample receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-23 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022- 13.04.2022 |

| S. NO. | PARAMETERS | TEST RESULTS | TEST METHODS |
|--------|---|--------------|--------------------------|
| 1. | pH | 7.37 | IS 3025(Part-11): 2002 |
| 2. | Total Suspended Solids, mg/L | 08 | IS 3025 (Part-17) : 1984 |
| 3. | Total Dissolved Solid, mg/L | 800 | IS 3025 (Part-16) : 1984 |
| 4. | Bio-chemical Oxygen Demand at 27°C 3 days, mg/L | 16 | IS 3025 (Part-44): 2003 |
| 5. | Chemical Oxygen Demand, mg/L | 58 | IS 3025 (part-58) : 2006 |
| 6. | Oil and Grease, mg/L | 07 | IS 3025 (Part-39): 2003 |
| 7. | Total Hardness(as CaCO ₃) mg/l, | 236 | IS 3025 (Part-21) : 2009 |
| 8. | Alkalinity (as CaCO ₃) mg/l | 245 | IS 3025 (Part-23): 2003 |
| 9. | Iron (as Fe) mg/l | 0.08 | IS 3025 (Part-53): 2003 |
| 10. | Conductivity, micro mhos/cm at 25° C | 1215 | IS 3025 (Part-14): 1984 |
| 11. | Total Phosphate as PO ₄ | 0.15 | IS 3025 (Part-31): 2003 |
| 12. | Chloride (as Cl), mg/l, | 90 | IS 3025 (Part-32): 2007 |
| 13. | Turbidity, NTU max | 04 | IS 3025 (Part-10) : 2002 |

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End of Report



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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha, Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|------------------------|------------------------|
| Report No. | WW-090422-09 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | STP Outlet |
| Sample Code given by customer | Nil | Quantity | 2 LITER |
| | | Date of sampling | 08.04.2022 |
| Sampling Location | Within Premises | Date of sample receipt | 09.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | N.T.L./LAB-09 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022- 13.04.2022 |

| S. NO. | PARAMETERS | TEST RESULTS | TEST METHODS |
|--------|---|--------------|--------------------------|
| 1. | pH | 7.49 | IS 3025(Part-11): 2002 |
| 2. | Total Suspended Solids, mg/L | 24 | IS 3025 (Part-17) : 1984 |
| 3. | Total Dissolved Solid, mg/L | 902 | IS 3025 (Part-16) : 1984 |
| 4. | Bio-chemical Oxygen Demand at 27°C 3 days, mg/L | 22 | IS 3025 (Part-44): 2003 |
| 5. | Chemical Oxygen Demand, mg/L | 81 | IS 3025 (part-58) : 2006 |
| 6. | Oil and Grease, mg/L | 06 | IS 3025 (Part-39): 2003 |
| 7. | Total Hardness(as CaCO ₃) mg/l, | 180 | IS 3025 (Part-21) : 2009 |
| 8. | Alkalinity (as CaCO ₃) mg/l | 190 | IS 3025 (Part-23): 2003 |
| 9. | Iron (as Fe) mg/l | 0.06 | IS 3025 (Part-53): 2003 |
| 10. | Conductivity, micro mhos/cm at 25°C | 1400 | IS 3025 (Part-14): 1984 |
| 11. | Total Phosphate as PO ₄ | ND | IS 3025 (Part-31): 2003 |
| 12. | Chloride (as Cl), mg/l, | 90 | IS 3025 (Part-32): 2007 |
| 13. | Turbidity, NTU max | 06 | IS 3025 (Part-10) : 2002 |

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End of Report



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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|------------------------|------------------------|
| Report No. | WW-080422-24 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | STP Ro Reject Water |
| Sample Code given by customer | After RO | Quantity | 2 LITER |
| | | Date of sampling | 07.04.2022 |
| Sampling Location | Within Premises | Date of sample receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-24 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022- 13.04.2022 |

| S. NO. | PARAMETERS | TEST RESULTS | TEST METHODS |
|--------|---|--------------|--------------------------|
| 1. | pH | 7.91 | IS 3025(Part-11): 2002 |
| 2. | Total Suspended Solids, mg/L | 04 | IS 3025 (Part-17) : 1984 |
| 3. | Conductivity, mhos/cm | 2141 | IS 3025 (Part-14): 1984 |
| 4. | Bio-chemical Oxygen Demand at 27°C 3 days, mg/L | NIL | IS 3025 (Part-44): 2003 |
| 5. | Chemical Oxygen Demand, mg/L | 06 | IS 3025 (part-58) : 2006 |
| 6. | Phosphate as PO ₄ , mg/L | 0.8 | IS 3025 (Part-31): 2003 |
| 7. | Residual Sodium Carbonate | 0.31 | Lab SOP |
| 8. | Sodium Absorption ratio | 3.5 | By Calculation |
| 9. | Ammonical Nitrogen(as N) | ND | IS 3025 (Part-34): 2009 |
| 10. | Total Nitrogen | ND | IS:3025 (Part-34) : 2003 |
| 11. | Faecal Coliform as MPN | <01 | IS 1622 : 2003 |

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End of Report



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(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-------------|------------------------|-----------------------|
| Report No. | W-080422-26 | Report Date | 13.04.2022 |
| Your Ref. No. | Nil | Type of sample | Borewell Water |
| Sample Code Given by Customer | Borewell-2 | Quantity | 05 LITER |
| | | Date of sampling | 07.04.2022 |
| Sampling Location | Nil | Date of sample receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-26 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022-13.04.2022 |

| S. No. | Parameters | Results | Limits of IS: 10500 – 2012 (Amendment no. 1, June 2015) | | Test method |
|--------|--|-----------|---|--|--------------------------|
| | | | Requirement (Acceptable Limit) | Permissible limit in absence of alternate source | |
| 1 | pH | 7.42 | 6.5 – 8.5 | No relaxation | IS 3025 (Part-11) : 2002 |
| 2 | Total Dissolved Solids mg/l Max | 370 | 500 | 2000 | IS 3025 (Part-16) : 2002 |
| 3 | Alkalinity (as CaCO ₃) mg/l ,Max | 230 | 200 | 600 | IS 3025 (Part-23) : 2003 |
| 4 | Chloride (as Cl), mg/l, Max | 24 | 250 | 1594 | IS 3025 (Part-32) : 2007 |
| 5 | Sulphate (as SO ₄) mg/l, Max | 8.0 | 200 | 400 | IS 3025 (Part-24) : 2003 |
| 6 | Calcium (as Ca) mg/l Max | 40 | 75 | 200 | IS 3025 (Part-40) : 2002 |
| 7 | Magnesium (as Mg) mg/l, Max | 25 | 30 | 100 | IS 3025 (Part-46) : 2003 |
| 8 | Total Hardness(as CaCO ₃) mg/l, Max | 225 | 200 | 600 | IS 3025 (Part-21) : 2009 |
| 9 | Sodium (as Na) mg/l Max | 18 | - | - | IS 3025 (Part-45) : 2003 |
| 10 | Potassium (as K) mg/l Max | 4.2 | - | - | IS 3025 (Part-45) : 2003 |
| 11 | Nitrate (as NO ₃) mg/l, Max | 3.5 | 45 | - | IS 3025 (Part-45) : 2003 |
| 12 | Fluoride (as F) mg/l Max | 0.02 | 1.0 | No relaxation | IS 3025 (Part-34) : 2003 |
| 13 | Colour, Hazen unit, max | <1 | 5 | 1.5 | APHA 4500F (D) : 2017 |
| 14 | Odour | Agreeable | 5 | 25 | IS 3025 (Part-4) : 1983 |
| 15 | Turbidity, NTU max | <1 | 5 | 10 | IS 3025 (Part-5) : 2002 |
| 16 | Taste | Agreeable | Agreeable | 10 | IS 3025 (Part-10) : 2002 |
| 17 | Iron (as Fe) mg/l Max | 0.28 | 1.0 | No relaxation | IS 3025 (Part-8) : 2002 |
| 18 | Boron (as B) mg/l Max | ND | 0.5 | 1.0 | IS 3025 (Part-53) : 2003 |
| 19 | Manganese (as Mn) mg/l Max | 0.02 | 0.1 | 0.3 | IS 3025 (Part-57) : 2005 |
| 20 | Zinc (as Zn) mg/l Max | 1.1 | 5 | 15 | IS 3025 (Part-59) : 2006 |
| 21 | Copper (as Cu) mg/l Max | ND | 0.05 | 1.5 | IS 3025 (Part-49) : 1994 |
| 22 | Cadmium (as Cd) mg/l Max | ND | 0.003 | No relaxation | IS 3025 (Part-42) : 1992 |
| 23 | Lead (as Pb) mg/l Max | ND | 0.01 | No relaxation | IS 3025 (Part-41) : 1992 |
| 24 | Arsenic (as As) mg/l | ND | 0.01 | No relaxation | IS 3025 (Part-47) : 1994 |
| 25 | Chromium (as Cr) mg/l Max | ND | 0.05 | No relaxation | IS 3025 (Part-37) : 1988 |
| 26 | Sulphide (as H ₂ S), mg/l, Max | ND | 0.05 | No relaxation | IS 3025 (Part-52) : 2003 |

Bacteriological examination:-

| S. NO. | PARAMETERS | TEST RESULTS | LIMIT | TEST METHOD |
|--------|-----------------|--------------|--------|-------------------------|
| 1 | E.coli/100ml | ABSENT | ABSENT | IS 5887 (Part-1) : 2005 |
| 2 | Coliform /100ml | ABSENT | ABSENT | IS 1622 : 2003 |

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End of Report

(Authorized Signatory)

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsang Bhawan, Kharar, Mohali, Punjab-140301



Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttarakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttarakhand

E. : noida.laboratory@gmail.com, info@noidalabs.com W. : www.noidalabs.com



Analyzing for an Assured Future

NOIDA TESTING LABORATORIES

(A Government Approved Testing Laboratory)

(An ISO : 9001 : 2015, 14001 : 2015 & ISO 45001 : 2018 & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|-------------------------------|-----------------|--------------------|---------------|
| Report No. | AN-080422-25 | Report Date | 13.04.2022 |
| Your Ref. No | NIL | Type of sample | Ambient Noise |
| Sample Code Given by Customer | NIL | Date of Monitoring | 07.04.2022 |
| Sampling Location | Within Premises | Sample I.D. | NTL/LAB-25 |
| Sample Monitored By | Lab Person | Date of test | 07.04.2022 |
| Sampling procedure | As per SOP | | |

| Sr. No. | Location | Results dB(A)Leq | Standards dB(A)Leq | Test Method |
|---------|--------------------------|------------------|--------------------------|----------------|
| 1 | Near Main Gate | 73.5 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 2 | Near Gate No-2/F.G Gate | 71.2 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 3 | Near Stack Area | 73.0 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 4 | Near Pipe and Tube Plant | 72.6 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |

Note:

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.

End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301



Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttrakhand

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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

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Analyzing for an Assured Future

TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha, Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|-------------------------------|-----------------|--------------------|---------------|
| Report No. | AN-090422-10 | Report Date | 13.04.2022 |
| Your Ref. No | NIL | Type of sample | Ambient Noise |
| Sample Code Given by Customer | NIL | Date of Monitoring | 08.04.2022 |
| Sampling Location | Within Premises | Sample I.D. | NTL/LAB-10 |
| Sample Monitored By | Lab Person | Date of test | 08.04.2022 |
| Sampling procedure | As per SOP | | |

| Sr. No. | Location | Results dB(A)Leq | Standards dB(A)Leq | Test Method |
|---------|------------------------|------------------|--------------------------|----------------|
| 1 | Near Main Gate | 69.6 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 2 | Near STP | 67.5 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 3 | Near Water Pond | 68.3 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 4 | Near Slag Crusher Area | 70.2 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |

Note:

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.



End of Report

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar. Katgodam, Haldwani, Uttrakhand

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Analyzing for an Assured Future

TEST CERTIFICATE

Page 1 of 1

To
M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

| | | | |
|---------------------|-----------------------------------|------------------------|--------------------------|
| Report No. | S-080422-27 | Report Date. | 13.04.2022 |
| Your Ref. No. | Nil | | |
| Type of soil | Sandy loam and Brownish in colour | Type of sample | Soil Natural |
| | | Quantity | 5 Kg |
| | | Date of sampling | 07.04.2022 |
| Sampling Location | Near Admin office | Date of sample receipt | 08.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-27 |
| Sampling procedure | As per SOP | Date of test | 08.04.2022 to 13.04.2022 |

| SR. NO. | PARAMETERS | UNITS OF MEASUREMENT | RESULT | TEST METHODS |
|---------|------------------------------------|--|------------|--|
| 1. | Colour | ----- | Brownish | IS:2720 |
| 2. | pH | ----- | 7.2 | IS:2720(Pt.26)2007 |
| 3. | Conductivity (EC) | micro mhos/cm at 25°C (Soil Water Ratio- 1:2) | 228 | IS:14767:2000 |
| 4. | Moisture Content | % | 8.1 | USDA:1954/Reaff.2010 Page 107 |
| 5. | Bulk Density | gm/cm ³ | 1.42 | USDA:1954/Reaff.2010 Page 121 |
| 6. | Water Holding Capacity(WHC) | % | 32 | USDA:1954/Reaff.2010 Page 39 |
| 7. | Texture | ----- | Sandy Loam | USDA:1954/Reaff.2010 Page 30 |
| 8. | Sand | % | 56 | USDA:1954/Reaff.2010 Page 30 |
| 9. | Silt | % | 23 | USDA:1954/Reaff.2010 Page 30 |
| 10. | Clay | % | 21 | USDA:1954/Reaff.2010 Page 30 |
| 11. | Organic Carbon | % | 0.28 | USDA:1954/Reaff.2010 Page 30 |
| 12. | Total Kjeldahl Nitrogen(Available) | Kg/ha | 32 | IS:2720:USDA-2010 |
| 13. | Cation Exchange Capacity | % | 0.03 | IS:2720:USDA-2010 |
| 14. | Available Nitrogen | Kg/ha | 15 | USDA:1954/Reaff.2010 Page101 IS: 2720(Pt. 24)1976/Reaff.2005 IS:2720:USDA-2010 |

Note:

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radhaswami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttarakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttarakhand

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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

To
M/s Madhav KRG Environmental Solutions Pvt. Ltd,
Village- Bhadalthuha, Amlah Bhadson Road,
District Fatehgarh Sahib, Punjab.

| | | | |
|---------------------|-----------------------------------|------------------------|--------------------------|
| Report No. | S-090422-11 | Report Date. | 13.04.2022 |
| Your Ref. No. | Nil | | |
| Type of soil | Sandy loam and Brownish in colour | Type of sample | Soil Natural |
| | | Quantity | 5 Kg |
| | | Date of sampling | 08.04.2022 |
| Sampling Location | Near Stack | Date of sample receipt | 09.04.2022 |
| Sample Collected By | Lab Person | Sample I.D. | NTL/LAB-11 |
| Sampling procedure | As per SOP | Date of test | 09.04.2022 to 13.04.2022 |

| SR. NO. | PARAMETERS | UNITS OF MEASUREMENT | RESULT | TEST METHODS |
|---------|------------------------------------|--|------------|---|
| 1. | Colour | ----- | Brownish | IS:2720 |
| 2. | pH | ----- | 7.6 | IS:2720(Pt.26)2007 |
| 3. | Conductivity (EC) | micro mhos/cm at 25°C (Soil Water Ratio- 1:2) | 240 | IS:14767:2000 |
| 4. | Moisture Content | % | 9.0 | USDA:1954/Reaff.2010 Page 107 |
| 5. | Bulk Density | gm/cm ³ | 167 | USDA:1954/Reaff.2010 Page 121 |
| 6. | Water Holding Capacity(WHC) | % | 34 | USDA:1954/Reaff.2010 Page 39 |
| 7. | Texture | ----- | Sandy Loam | USDA:1954/Reaff.2010 Page 30 |
| 8. | Sand | % | 54 | USDA:1954/Reaff.2010 Page 30 |
| 9. | Silt | % | 26 | USDA:1954/Reaff.2010 Page 30 |
| 10. | Clay | % | 20 | USDA:1954/Reaff.2010 Page 30 |
| 11. | Organic Carbon | % | 0.29 | IS:2720:USDA-2010 |
| 12. | Total Kjeldahl Nitrogen(Available) | Kg/ha | 50 | IS:2720:USDA-2010 |
| 13. | Cation Exchange Capacity | % | 0.07 | USDA:1954/Reaff.2010 Page101 IS: 2720(Pt. 24)1976/Reaff.2005 |
| 14. | Available Nitrogen | Kg/ha | 19 | IS:2720:USDA-2010 |

Note:

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3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report



Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar. Katgodam, Haldwani, Uttrakhand

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01/10/2021

भारत सरकार / Govt. of India
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Min. of Environment, Forests & Climate Change
बैठक नं. 24-25, सेक्टर 31A
Bays No. 24-25, Sec-31A
चण्डीगढ़/Chandigarh



To
The Joint Director,
Ministry of Environment, Forest & Climate Change
Regional Office (North),
Government of India,
Bay Nos. 24-25, Sector-31A,
Chandigarh.

Subject: Submission of six monthly report for period ending 30.09.2021 for the Mild Steel Billets Manufacturing Unit namely "Madhav KRG Ltd." earlier known as Madhav Alloys Pvt. Ltd. located at Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amlah, Distt. Patiala & Fatehgarh Sahib, Punjab.

Sir,

With reference to the EIA Notification & its amendments regarding submission of six monthly compliance report, we are hereby submitting the six monthly compliance report for period ending 30.09.2021 for the above said project in soft copy in compact disk (CD) of the compliance report for your perusal.

Further, we wish to update you that the name of the project has been changed from Madhav Alloys Pvt. Ltd. to Madhav KRG Ltd. Copy of the name change certificate is enclosed along as **Annexure 1** of the compliance report.

Kindly acknowledge the receipt of the same.

Thanking you.

Sincerely,
For MADHAV KRG LTD.

For M/s Madhav KRG Ltd.


Director

(Authorized Signatory)

Name: Sudhir Goyal

Contact No.:8437043724

Designation: Director

Email:legal@madhavkrggroup.com

CC to:

1. **Member Secretary**, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26, Chandigarh-160019.
2. **Environmental Engineer**, Punjab Pollution Control Board, Regional Office, Fatehgarh Sahib, Punjab.

Madhav KRG Limited

(Formerly known as Madhav Alloys Ltd)

www.madhavkrggroup.com

Regd. Office: 1003, 10th Floor, Aggarwal Millenium, Tower-1,

Netaji Subhash Place, Pitampura, North West, Delhi-110058

Corp Office: 1st Fl., The Celebration Bazaar, G.T. Road, Khanna, Punjab-141401

Phone: +91- 1765-500075 **E-mail:** info@madhavkrggroup.com

Works: Vill. Akalgarh, Amlah-Bhadson Road, Near Toll Plaza, Dist. Patiala-147203

CIN : U27104DL2003PLC365691



Form for Uploading Compliance Report

| | | | |
|---------------|-------------------------|-----------------|-------------------------|
| Proposal No : | SIA/PB/IND/37520/2010 | Proposal Name : | |
| Category : | Industrial Projects - 1 | MoEF File No. : | SEIAA/PB/IND/EC/2019/12 |

Compliance Letter/Report

Year of Compliance: -All Years- ▼

Date of Compliance * : Select ▼

Remarks :

Upload Compliance Letter/Report * : No file chosen (.pdf only)

SUBMIT

| Sno. | Proposal No. | Uploaded copy of Compliance report | Remarks | Uploaded Date | Delete |
|------|-----------------------|------------------------------------|---|---------------|----------------------------------|
| 1 | SIA/PB/IND/37520/2010 | 12172020SJOECMARCompliance.pdf | Madhav Alloys Six Monthly Compliance for the period ending 30.09.2020 is enclosed | 17/12/2020 | <input type="button" value="X"/> |
| 2 | SIA/PB/IND/37520/2010 | 05252021131VENS3Madhav.pdf | Madhav Alloys Six Monthly Compliance for the period ending 31.03.2021 is enclosed | 25/05/2021 | <input type="button" value="X"/> |
| 3 | SIA/PB/IND/37520/2010 | 1130202184613566Madhav.pdf | Six Monthly Compliance Report for period ending 30.09.2021 | 30/11/2021 | <input type="button" value="X"/> |

100

Before Liquid Waste management Plant by Madhav KRG Limited



After Liquid Waste management Plant by Madhav KRG Limited



Use for Agriculture



Well No 01



Well No. 02



Well No.03



Appreciation From Village Sarpanch

ਸਰਪੰਚ ਗ੍ਰਾਮ ਪੰਚਾਇਤ ਪਿੰਡ ਘੁੰਡਰ

| | |
|--|-----------------------------|
| ਵੱਲੋਂ ਸਰਪੰਚ ਗ੍ਰਾਮ ਪੰਚਾਇਤ ਪਿੰਡ ਘੁੰਡਰ ਬਲਾਕ ਨਾਭਾ, ਜਿਲ੍ਹਾ ਪਟਿਆਲਾ ਸੰ. 94633-78300 | ਵੱਲ _____ _____ _____ |
|--|-----------------------------|

ਵਿਸ਼ਾ:.....

ਪੱਤਰ ਨੰ. ੧੭..... ਮਿਤੀ: 1-1-2021

ਪੰਨਵਾਦੀ ਪੱਤਰ

ਮਾਨਯੋਗ ਡਾਇਰੈਕਟਰ,
 ਮਾਧਵ ਕੇ.ਆਰ.ਜੀ. ਲਿਮ.,
 ਅਕਾਲਗੜ੍ਹ।

ਵਿਸ਼ਾ : ਪਿੰਡ ਵਿੱਚ 4 ਏਕੜ ਦੇ ਲਗਭਗ ਬਰਸਾਤੀ ਟੋਭੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੋਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਸਾਫ ਸੁਥਰਾ ਕਰਕੇ ਖੇਤੀਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜ ਕੀਤਾ ਗਿਆ ਉਸ ਸਬੰਧੀ ਪੰਨਵਾਦੀ ਪੱਤਰ।

ਸ੍ਰੀ ਮਾਨ ਜੀ. ਅਸੀਂ ਆਪ ਜੀ ਦਾ ਪਿੰਡ ਘੁੰਡਰ ਤਹਿ: ਨਾਭਾ ਬਲਾਕ ਭਾਦਸੋਂ ਜਿਲ੍ਹਾ ਪਟਿਆਲਾ, ਪੰਜਾਬ ਵੱਲੋਂ ਆਪ ਜੀ ਦਾ ਪੰਨਵਾਦ ਕਰਦੇ ਹਾਂ ਕਿ ਭੁਸੀ ਸਾਡੇ ਪਿੰਡ ਵਿਖੇ 4 ਏਕੜ ਦੇ ਲਗਭਗ ਬਰਸਾਤੀ ਟੋਭੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੋਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਸਾਫ ਸੁਥਰਾ ਕਰਕੇ ਖੇਤੀਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜ ਕੀਤਾ ਗਿਆ ਹੈ। ਜਿਸਦਾ ਪਾਣੀ ਲਗਭਗ 1 ਲੱਖ 70 ਹਜ਼ਾਰ ਕਿਊਬਿਕ ਮੀਟਰਿਕ ਪ੍ਰਤੀ ਸਾਲ ਹੈ। ਅਸੀਂ ਇਸ ਟੋਭੇ ਦੀ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੋਵਾਲ ਮਾਡਲ ਤਹਿਤ ਸਾਫ ਸੁਥਰਾ ਕਰਕੇ ਖੇਤੀਬਾੜੀ ਦੇ ਉਪਯੋਗ ਵਿੱਚ ਲਿਆ ਰਹੇ ਹਾਂ ਅਤੇ ਇਸ ਨਾਲ ਭੁਸੀਗੜ ਜਲ ਕੱਚਣ ਦੀ ਮਾਰਗ ਅਤੇ ਭੁਸੀਗੜ ਪਾਣੀ ਦੀ ਦੁਰਵਰਤੋਂ ਘੱਟ ਰਹੀ ਹੈ ਅਤੇ ਇਸ ਟੋਭੇ ਦੇ ਸੁੱਚ ਪਾਣੀ ਦੀ ਵਰਤੋਂ ਕਰਕੇ ਜਦੋਂ ਅਸੀਂ ਹੁਣ ਖੇਤੀਬਾੜੀ ਲਈ ਵਰਤ ਰਹੇ ਹਾਂ ਤਾਂ ਖੇਤੀਬਾੜੀ ਉਪਜਾਊ ਸ਼ਕਤੀ ਵੱਧ ਰਹੀ ਹੈ। ਸੰਤ ਸੀਚੋਵਾਲ ਦੇ ਇਸ ਟੋਭਾ ਸੁਥਰੀਕਰਨ ਕਰਨ ਵਾਲੇ ਮਾਡਲ ਨਾਲ ਪਿੰਡ ਦੀ ਟੋਭੇ ਦੀ ਸੁੱਚ ਪਾਣੀ ਨਾਲ ਪਿੰਡ ਦੀ ਸਾਫ ਸਫਾਈ ਵੱਧ ਰਹੀ ਹੈ। ਇਸ ਨਾਲ ਪਿੰਡ ਵਿੱਚ ਜਲ ਸ਼ਕਤੀ ਜਾਗਰੂਕਤਾ ਵੱਧ ਰਹੀ ਹੈ, ਇਸ ਸੁੱਚ ਪਾਣੀ ਨਾਲ ਅਸੀਂ ਪਿੰਡ ਵਿੱਚ ਪੇੜ ਪੋਟੇ ਲਗਾਉਣ ਵਿੱਚ ਮੱਦਦ ਮਿਲ ਰਹੀ ਹੈ, ਜਿਸ ਨਾਲ ਪਾਣੀ ਰੀਚਾਰਜ ਵਿੱਚ ਵਾਧਾ ਹੋ ਰਿਹਾ ਹੈ। ਇਸ ਮਾਡਲ ਨਾਲ ਬਿਮਾਰੀਆਂ, ਜਿਵੇਂ ਕਿ ਡੇਂਗੂ, ਮਲੇਰੀਆ ਬੁਖਾਰ ਆਦਿ ਬਿਮਾਰੀਆਂ ਹੋਣ ਤੋਂ ਬਚਾਉ ਹੋ ਰਿਹਾ ਹੈ। ਜਦੋਂ ਇਸ ਟੋਭੇ ਦਾ ਸੁੱਚ ਪਾਣੀ ਕਿਸਾਨ ਆਪਣੇ ਖੇਤਾਂ ਵਿੱਚ ਵਰਤਦੇ ਹਨ ਤਾਂ ਜ਼ਮੀਨ ਵਿੱਚ ਕੀਤੇ ਮਾਰ ਦਵਾਈਆਂ ਦੀ ਵਰਤੋਂ ਵਿੱਚ ਘਾਟਾ ਹੋ ਰਿਹਾ ਹੈ ਜਿਸ ਨਾਲ ਖਾਣ ਵਾਲੀਆਂ ਵਸਤਾਂ ਸਿਹਤਮੰਦ ਹੋ ਰਹੀਆਂ ਹਨ ਆਪ ਜੀ ਵੱਲੋਂ ਜੇ ਇਸ ਮਾਡਲ ਤਹਿਤ ਪਾਣੀ ਰੀਚਾਰਜ ਕਰਨ ਵਿੱਚ ਸਹਿਯੋਗ ਦਿੱਤਾ ਗਿਆ ਹੈ ਤਾਂ ਇਸ ਟੋਭੇ ਦਾ ਕਰੀਬ 1 ਲੱਖ 70 ਹਜ਼ਾਰ ਕਿਊਬਿਕ ਮੀਟਰਿਕ ਪਾਣੀ ਧਰਤੀ ਵਿੱਚ ਦੁਬਾਰਾ ਰੀਚਾਰਜ ਹੋ ਰਿਹਾ ਹੈ ਜਿਸ ਨਾਲ ਧਰਤੀ ਦੇ ਹੇਠਲੇ ਪਾਣੀ ਦਾ ਲੋਭਲ ਉਪਰ ਆਉਣ ਵਿੱਚ ਸਹਾਇਤਾ ਮਿਲ ਰਹੀ ਹੈ।

ਸੋ ਅਸੀਂ ਆਪ ਜੀ ਦਾ ਪੰਨਵਾਦ ਕਰਦੇ ਹਾਂ ਕਿ ਇਸ ਪਾਣੀ ਰੀਚਾਰਜ ਮਾਡਲ ਤਿਆਰ ਕਰਨ ਵਿੱਚ ਸਾਡੀ ਸਹਾਇਤਾ ਕੀਤੀ ਹੈ ਤਾਂ ਅਸੀਂ ਤੁਹਾਡੇ ਸਹਿਯੋਗ ਨਾਲ ਵਾਤਾਵਰਣ ਦੀ ਰੱਖਿਆ ਵਿੱਚ ਯੋਗਦਾਨ ਪਾ ਰਹੇ ਹਾਂ।

ਪੰਨਵਾਦ ਸਹਿਤ,
 ਮਿਤੀ: 1-1-2021

ਸਰਪੰਚ
 ਗ੍ਰਾਮ ਪੰਚਾਇਤ ਪਿੰਡ ਘੁੰਡਰ
 ਤਹਿ ਨਾਭਾ (ਪਟਿਆਲਾ)

MADHAV KRG LIMITED

CIN:U27104DL2003PLC365691

Date: 01.12.2020

To,
Nimbua Greenfield (Punjab) Limited.
Village Nimbua
Tehsil Dera Bassi,
District Mohali

Subject: Regarding Amendment in hazardous waste agreement having membership no. 1630 between Madhav Alloys Pvt Ltd. and Ramky Enviro Engineering Limited. And change in the trade name of the generator facility

Dear Sir,

With the reference to the above cited subject, it is mentioned here that we have executed agreement having membership no.1630 for lifting up of hazardous waste i.e. ETP Sludge and FES bags, but said figures of hazardous waste are now revised below:-

ETP Sludge – 25 ton/Annum

FES Bags- 211 bags/Annum

So, it is request to you kindly update our agreement and we are ready to deposit requisite fees as per your norms if any.

It is also mentioned here that the name of Madhav Alloys Private Limited has change as Madhav KRG Limited, we request you to kindly update the name of our company as **Madhav KRG Limited**

Please do the needful in the earliest.

Thanking You,
Yours faithfully,

For Madhav KRG Ltd
(Madhav Alloys Limited)

Tarsem Singh

DGM- IQMS

Email Id: tarsembains@madhavkrggroup.com

Mob: 7527050333

Enclosed as above:

1. ROC Letter for the name change from Madhav Alloys Private Limited to Madhav Alloys Limited
2. ROC Latter for the name change from Madhav Alloys Limited to Madhav KRG Limited
3. Singing Authority Letter.
4. Schedule-I &il

Regd. Office: Unit No. 1003, 10th Floor, Aggarwal Millenium, Tower-I, Netaji Subhash Place, Pitampura Delhi, North West, Delhi India, 110058

Corporate Office:- 1st Fl., The Celebration Bazar, GT Road, Khanna, Punjab- 141401

Works: Village Bhadalthuha, Tehsil Amloh, Amloh Bhadson Road, Distt Fatehgarh Sahib.

Godown:- Talwara Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab.

SCHEDULE - I

Production units of the Generator

| S.No. | Name of the Unit | Address, Contact Numbers and e mail - id | Name/ Designation of the Occupier | Name/Designation of the dealing Person |
|----------|---------------------------|--|-----------------------------------|--|
| <u>1</u> | <u>Madhav KRG Limited</u> | <u>Village Akalgarh, Amloh-Bhadson Road, Near Toll Plaza, District Patiala</u> | <u>Sh. Sudhir Goyal</u> | <u>Tarsem Singh</u> |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Details

| S.No. | PPCB Regional Office | PPCB Zonal Office | Correspondence address if differ from above |
|----------|------------------------|--------------------|---|
| <u>1</u> | <u>Fatehgarh Sahib</u> | <u>Patiala -II</u> | |
| | | | |
| | | | |



SCHEDULE - II

FORMAT FOR DISCLOSURE OF WASTE QUANTITIES & MANDATE FOR DISPOSAL

We, M/s. Madhav KRG Limited (Formally Known as Madhav Alloys Limited) hereby declare that based on our industry production and our annual projections, we shall be disposing the following types of Hazardous Waste to the Facility.

- The approximate Annual generation of Hazardous Waste will be as follows :

| S.No. | Type of Hazardous Waste | Quantity (in MT) |
|-------|----------------------------|------------------|
| 1. | ETP Sludge (Category 35.3) | 25 Ton/Annum |
| 2. | FES Bags | 211 |

- The average monthly generation of Hazardous Waste is expected to be as follows :

| Month | Type of Hazardous Waste | Quantity (in MT) |
|-----------|-------------------------|------------------|
| April | | |
| May | | |
| June | | |
| July | | |
| August | | |
| September | | |
| October | | |
| November | | |
| December | | |
| January | | |
| February | | |
| March | | |

FOR Madhav KRG Limited
(Formally Known as Madhav Alloys Limited)
(Generator)

Signatures: _____



Name: Tarsem Singh

Designation: DGM IQMS

SCHEDULE - III

PARAMETERS TO BE ANALYZED FOR COMPREHENSIVE ANALYSIS OF WASTE

1. Calorific Value
2. Flash Point
3. % Moisture content (Loss on ignition at 105oC)
4. % Organic Content (Loss on ignition at 550oC)
5. Paint Filter Liquid Test (PFLT)
6. pH
7. Reactive Cyanide (PPM)
8. Total Cyanide
9. Reactive Sulphide (PPM)
10. Sulphur elemental
11. Concentration of individual inorganic (Metals), both total and leachable,specific parameters to be determined based on source of waste
12. Oil and Grease
13. Extractable Organics
14. % Carbon, % Nitrogen, % Sulphur, % Hydrogen
15. Concentration of Individual Organics
16. TCLP for identified parameters



MADHAV KRG LIMITED

Date: - Dec 1, 2020

CIN:U27104DL2003PLC365691

AUTHORITY LETTER

It is hereby declared that **Mr Tarsem Singh, DGM IQMS** of the Company is authorized to execute all the necessary papers, documents for executing/amendments in hazardous Waste Contract with **Ramkey Enviro Engineering Limited** on behalf of Company.

I hereby confirm that the details provided above are true and correct on belief of my knowledge.

For and on behalf of
Madhav KRG Limited
(Formally known as Madhav Alloys Ltd.)
For Madhav KRG Limited


Sudhir Goyal
Director
DIN- 00361549

Regd. Office: Unit No. 1003, 10th Floor, Aggarwal Millenium, Tower-I, Netaji Subhash Place, Pitampura Delhi, North West, Delhi India, 110058

Corporate Office:- 1st Fl., The Celebration Bazar, GT Road, Khanna, Punjab- 141401

Works: Village Bhadalthuha, Tehsil Amluh, Amluh Bhadson Road, Distt Fatehgarh Sahib.

Godown:- Talwara Road, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab.

7

Certificate of Incorporation Consequent upon conversion to Public Limited Company



सत्यमेव जयते

GOVERNMENT OF INDIA

MINISTRY OF CORPORATE AFFAIRS

Registrar of companies, Chandigarh

Corporate Bhawan, Plot No.4 B Sector 27 B, Chandigarh, Chandigarh, India, 160019

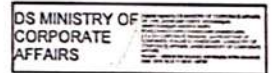
Corporate Identity Number: U27104PB2003PLC026123

Fresh Certificate of Incorporation Consequent upon Conversion from Private Company to Public Company

IN THE MATTER OF MADHAV ALLOYS PRIVATE LIMITED

I hereby certify that MADHAV ALLOYS PRIVATE LIMITED which was originally incorporated on Twentieth day of June Two thousand three under the Companies Act, 1956 as MADHAV ALLOYS PRIVATE LIMITED and upon an intimation made for conversion into Public Limited Company under Section 18 of the Companies Act, 2013; and approval of Central Government signified in writing having been accorded thereto by the RoC - Chandigarh vide SRN R02736841 dated 23.10.2019 the name of the said company is this day changed to MADHAV ALLOYS LIMITED.

Given under my hand at Chandigarh this Twenty third day of October Two thousand nineteen.



SHYAM SUNDER

Registrar of Companies

RoC - Chandigarh

Mailing Address as per record available in Registrar of Companies office:

MADHAV ALLOYS LIMITED

TALWARA ROADMANDI GOBINDGARH, DISTT FATEHGARH

SAHIB, PUNJAB, Punjab, India, 147301





सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies
4th Floor, IFCI Tower 61, New Delhi, Delhi, India, 110019

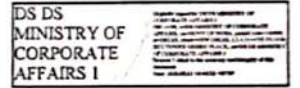
Certificate of Incorporation pursuant to change of name
[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

Corporate Identification Number (CIN): U27104DL2003PLC365691

I hereby certify that the name of the company has been changed from MADHAV ALLOYS LIMITED to MADHAV KRG LIMITED with effect from the date of this certificate and that the company is limited by shares.

Company was originally incorporated with the name Madhav Alloys Private Limited.

Given under my hand at New Delhi this Eleventh day of August two thousand twenty.



SANTOSH KUMAR

Registrar of Companies
RoC - Delhi

Mailing Address as per record available in Registrar of Companies office:

MADHAV KRG LIMITED

Unit No 1003, 10th Floor, Aggarwal Millenium, Tower-1, Netaji Subhash Palace, Pitampura, Delhi,
North West, Delhi, India, 110058





NIMBUA GREENFIELD (PUNJAB) LIMITED

Registered Office : Village Nimbua, Tehsil Dera Bassi, Distt. Mohali

Phones : 9216731666, 9216730666, 9041544466,

Website : www.ngpl.co.in, E-mail: ngplpunjab@yahoo.co.in

Ngpl/Accs/2k19 -2k20/ 250

23 May, 2019

M/s Madhav Alloys Pvt Ltd
Akalgarh, Amlah - Bhadson Road,
Near Toll Plaza Distt. Patiala (Pb)
Tel - 01765 - 305600, 507507

Subject: - Membership & Waste Off take Agreement (Membership No.1630)

Dear Sir,

Please refer to your request towards updation of categories in the existing Membership & Waste Offtake Agreement No.1630. It may please be noted that following has been updated in our records : -

| Type of Hazardous Waste | Category | Quantity (in MT) Yearly |
|-------------------------|----------|--------------------------|
| FES Bags | 33.1 | 48 Bags Per Year |

It may kindly be noted that all other terms and conditions remains unchanged as per agreement No.1630 executed earlier.

Thanking you,

Yours Sincerely

For Nimbua Greenfield (Punjab) Limited.

Vinod Puri
(Manager – Finance & Facilities)
Mobile- 90415-44466 (o)
98557- 24811(p)
vinod.puri@ngpl.co.in

CC:M/s Ramky Enviro Engineers Limited, Operator (for kind attention please)



SAVE FUEL, SAVE EARTH

BRS LUBRICANTS

Manufacturers & Dealers of :
ALL KINDS OF RE-REFINED, LUBRICANTS OIL, INDUSTRIAL OIL & TRANSFORMER OIL
ALSO DEALS IN : IRON AND STEELS GOODS

D-57, Focal Point, MANDI GOBINDGARH-147301, Distt. Fatehgarh Sahib (Pb.)

E-mail : brs.lubricants@gmail.com

Ref. No. BRS/08/2019

Dated.....14/05/2019...

AGREEMENT

This agreement made on May 14, 2019 between MADHAV ALLOYS PRIVATE LIMITED, WORK: - VILLAGE - AKALGHAR, AMLOH-BHADSON ROAD NEAR TOLL PLAZA DISST-PATIALA-147203 (PUNJAB).

(Herein after called as First Part)

AND

M/s BRS LUBRICANTS, PLOT NO- D/57 FOCAL POINT, MANDI GOBINDGARH -147301 DISTT-FATEHGARH SAHIB, PUNJAB- INDIA.

(Herein after called as Second Part)

M/s BRS Lubricants has setup an engineered common facility at D-57 focal point Mandi Gobindgarh -147301 to treat ,store and dispose of Hazardous waste (category 5.1) as per the guidelines under the Environment (Protection act 1986) & the notifications issued there under From time to time, Hazardous waste (Management Handling &Transboundry Movement) rules,2016.

M/s BRS Lubricants Authorized by Punjab Pollution Control Board
Registered No-REG/PPCB/2018-23/F-149

Whereas First part Desires that the hazardous Waste, Being generated at MADHAV ALLOYS PRIVATE LIMITED, WORK: - VILLAGE - AKALGHAR, AMLOH-BHADSON ROAD NEAR TOLL PLAZA DISST-PATIALA-147203 (PUNJAB) to be lifted, Transported, Treated Stored and disposed of,by utilizing the service of M/s BRS Lubricants, as per PPCB /CPCB authorization.

This agreement is valid from 14/05/2019 TO 31/05/2022

This Agreement is signed on This 14th Date of MAY 2019 at Mandi Gobindgarh.

MADHAV ALLOYS PRIVATE LIMITED

For Madhav Alloys Private Limited


By its Authorized Signatory
CA Harjinder Kharbanda
G.M. - Finance, Accounts & Taxation

BRS LUBRICANTS
For BRS LUBRICANTS


By its Authorized Signatory
Prop.

GSTIN : 03AIFPG1227N1ZJ

TAX-INVOICE

Tel : 9041320006

PAN : AIFPG1227N

Original for Recipient

BRS LUBRICANTS

PLOT NO.D/57,FOCAL POINT, MANDI GOBINDGARH (PUNJAB)

Details of Services Recipient

Name : MADHAV ALLOYS PVT LTD
 Address: VILLAGE AKALGARH AMLOH BHADSON ROAD
 DISTT-PATIALA , Amloh
 State: PUNJAB-03
 GSTIN : 03AADCM6458N1Z4 PAN: AADCM6458N

Invoice No. **HW006**

REVERSE CHARGE : NO

Invoice Dt. 14-05-2019

Vehicle No.

Payment Mode : **CREDIT**

| Sr | Description of Goods | HSN | Qty. | Unit | Rate | Amount |
|---|-----------------------|----------|-------|------|--------------------|-----------------|
| 1 | Membership Fees C-5.1 | 38249936 | 1.000 | | 15000.00 | 15000.00 |
| STATE BANK OF INDIA A/C NO. : 37690929510 IFSC CODE : SBIN0009530 AMLOH ROAD, MANDI GOBINDGARH | | | 1.000 | | Total | 15000.00 |
| Recipient's Sign | | | | | C.Gst @ 9.00% | 1350.00 |
| | | | | | S.Gst @ 9.00% | 1350.00 |
| | | | | | I.Gst @ | |
| Seventeen Thousand Seven Hundred Only | | | | | Grand Total | 17700.00 |

For BRS LUBRICANTS
 For BRS LUBRICANTS
Vivek Garg
 Authorised Signatory

भारतीय गैर न्यायिक

पचास
रुपये
₹.50



FIFTY
RUPEES
Rs.50

INDIA NON JUDICIAL

ਪੰਜਾਬ ਪੰਜਾਬ PUNJAB

AGREEMENT

AH 950385

This agreement is entered between M/s. Madhav Alloys Ltd.

through its Sh. Tarseem Singh

And

M/s J.B.R. Technologies Pvt. Ltd. CETP, 260-61, Phase-VIII, Focal Point, Ludhiana. Hereinafter called the operator through its Managing Director Mr. Rajinder Singh on dated 04/08/20

The broad terms of the agreement are detailed here under:

1. That both parties are interested to the enter into an agreement for lifting and treatment of HCl. Effluent as declared by the member to be 200000 liters (in words Two lakh liter per month liters) per month produced by the unit of the member situated at VIII. Atalgarh. Amtar. Bhadli. Road. Distt Patiala.

2. That the SPV has approved the operator for running and maintenance of the plant upto 31.05.2025. That this agreement is for a period of 3 year from the signing of this agreement and further increase of contact period will be to entire discretion of SPV.

3. That the operator will maintain the record for total collected effluent from all the listed members who have undergone agreement with the operator and based on total monthly collection (from first of each month to end of last date of that month), the charges of treatment of effluent will be charged by the operator from the member @Rs.2.50. per ltr.

The above rates will increase annually by minimum 5% per annum. If the circumstance or price are abnormally high then the above rate will be increased by more then 5% after detailed discussion and accepted by SPV

Madhav Alloys Limited

Authorized Sign.

4. That the above treatment charges are inclusive of transportation charges subject to minimum lift of 4000 Ltr. Each time. Each member will ensure immediate delivery of effluent to the operator /transport party without any delay. In case the operator / transport party will have to wait for more than half an hour then in that case halting charges Rs 300/-per hour will be charged from the member..

5. That the member will make an arrangement at his own cost for storing his effluent in his factory at some nearby approach point or main gate where the transport vehicle can have easy access. The operator will lift minimum 4000liters of effluent at one time. In case of quantity of effluent is less, the amount equivalent to 4000 liter will be charged from the member.

6. A log book/ register will be maintained by the operator, which will be accompanied by each transporter party and each quantity lifted will be jointly entered and signed by the member/its representative and transport party.

7. That the above quoted rates do not include any type of taxes. All taxes as prevailing from time to time will be changed extra by operator from the member.

8. That the member will deposit security with the operator for two month of his agreed lifting considering Rs.2.50/- Per liter as the rate. The operator will be responsible for lifting the declared quantity by the member only. In case, the quantity of effluent is more than declared quantity, then more security deposit will be taken from the member.

9. That the operator will only be responsible for the treatment of effluent lifted from each member and not for the quantity of effluent produced by the member. The member will remain responsible for matching the quantity produced by him, given to operator and recorded in P.P.C.B. records. The operator will stand no responsibility for any undeclared quantity of effluent by the member.

10. That after the completion of each month, the operator will handover the bill of charges to the member within 1st week of next month and the payment will be paid by the member up to 15th of that month e.g., the treatment & transportation charges bill from 1st to 31st May will be handed over to the member up to 7th of June and the payment will be made by the member to the operator before 15th June. In case the payment will be delayed for the next 15 days, then 2% penalty will be charged from the member. In case of member makes payment before 15th of month then he will be eligible for 2% discount.

11. That in case of non payment by the member up to the last date of next month (i.e. in example under point number 10 above, non-payment up to 30th of June) , the operator will be stop lifting of the effluent of the member under information to P.P.C.B. and with a copy to SPV. In these circumstance, the operator will not be responsible in any way to the member if any action is taken by P.P.C.B. or any other department. The security deposited by the member will be forfeited. In case the member wants to rejoin the operator , then the security of the member will be taken equivalent to 2.50/- per liter subject to a minimum of Rs 7500/-.

12. That the above noted charges are the pure charges for lifting and treatment of effluent and not for the treatment of sludge. The sludge treatment /destroying charges if any will be extra and will be decided later by SPV.

13. That any uncovered item in this agreement or any thing left in this agreement will be discussed by the operator with SPV and any thing finalized by both will apply on all the members and all member will agree to any such decision .

14. That in case of dispute with member, the SPV will act as arbitrator and the decision of SPV shall be final and binding both the parties.

Madhav Alloys Limited

Authorized Sign.

15. The operator through its Managing Director has the right to cancel the M.O.U. after prior intimation to the SPV.

16. A minimum charges of Rs 3000/-PM is to be paid to the operator by all listed member even if there is no effluent to lift in a particular month so for as this Agreement is in force.

Both the parties have read understood the contents, terms and the conditions of the agreement and have agreed to abide by all the terms from heart and soul to maintain the high dignity of the agreement.

Both the parties have given their hand on the ...4.... day of August, 2020

MEMBER
(SPV)

Madhav Alloys Limited

Authorized Sign.


OPERATOR

WITNESS 1.

WITNESS 2:

CERTIFICATE OF FITNESS

Dr. Pardeep Kundra

M.D

Kundra Health Care Centre

BHADSON

1. Periodic Employment Medical Examination

| Sr. No. | Details | Necessary Comments |
|---------|---|---|
| 1. | Serial No. <u>191</u> Number. <u>918</u> Personally examined. <u>Shiv dal</u> | |
| 2. | Name of person examined. <u>Shiv dal</u> Son of. <u>Kabru Mandal</u> Residing at. <u>Amlah</u> | |
| 3. | Father's Name. <u>Kabru Mandal</u> (Address) Who is employed as. <u>Crane Operator</u> | V. Bardang P.O. Kalyang Distt. Morang (Nepal) |
| 4. | Sex. <u>M</u> In. <u>T. Purnance</u> (Department and as can be ascertained) | |
| 5. | Address: <u>Same as above</u> Examined is fit/unfit for employment at the factory. <u>Madhav KRG Ltd</u> be employed and may be employed on | Blood Pressure: <u>120/80mm</u> Pulse: <u>79/m</u> <u>SpO₂ - 98%</u> Chest:- Breathing:- <u>NVS, No Rhonchi/crepti</u> CVS: <u>S1S2 (N) JVP (N) No murmurs/Reg.</u> ABD: <u>liver not palpable</u> <u>Spleen soft + ant tender</u> Vision: <u>(N)</u> R/E: <u>6/6</u> L/E: <u>6/6</u> Ears: <u>wax NIE</u> Teeth: <u>Can + ALL</u> Other Remarks: |
| 6. | M/s <u>Madhav KRG Ltd.</u> In which employed/in which hazardous operation such as <u>Steel Straps.</u> wishes to be employed. <u>Crane Operator</u> produced for further examination after of <u>Six months</u> | |
| 7. | Process or department employed/wishes to be advised following examination. <u>Crew</u> Employed <u>Yes.</u> | <u>wt - 73.4 kg</u> <u>RBS - 110 mg/l.</u> |

CERTIFICATE OF FITNESS

| | | |
|-----|---|--|
| 8. | Whether certificate granted. <u>Yes</u> Advised following treatment. <u>Adv Dental Checkup</u> | <u>X-ray chest clear</u> <u>WML</u> |
| 9. | Whether declared unfit and certificate refused. <u>No</u> Number of previous certificate is. <u>NA</u> | |
| 10. | Reference number of previous certificate granted or refused. <u>NA</u> | |

SANDEEP BHADSON
Medical Technologist
Sandeep
D.M.L.T.

Sanjay Kumar
L.T.I. of person examined

Signature of certifying surgeon

2. EXAMINATION RESULTS AND REPORT

1. Chest X-Ray Report

Dr. Pardeep Kundra
Examining Doctor's Signature
(Stamp, Signature, Name and address of the Physician)
M.D.
Kundra Health Care Centre
BHADSON

Date: 24/11/2021

Near Petrol Pump, Bhadson Road, CHEHAL
ਨਵਜੁੱਗ ਕੰਪਿਊਟਰਾਈਜ਼ਡ ਲੈਬੋਰੇਟਰੀ, ਨੇੜੇ ਪੈਟਰੋਲ ਪੰਪ, ਭਾਦਸੋਂ ਰੋਡ, ਚਹਿਲ

Technologist :
B.S.Attri
D.M.L.T.

Timings :
6.30 a.m. to 8.00 p.m.
(Sunday Evening Closed)

Patient Name:-Shiv Lal

Date:- 20-11-21

Ref.by Dr.

BIOCHEMISTRY REPORT

| TEST | RESULT | NORMAL |
|--------------------|-----------|-----------|
| Random Blood Sugar | 110 mg/dl | (110-160) |

URINE EXAMINATION

PHYSICAL EXAMINATION

| | |
|-------------|--------|
| Sample: | Random |
| Quantity: | 25 ml |
| Appearance: | Clear |
| Reaction: | Acidic |
| Spec.Grav: | Q.N.S. |

CHEMICAL REACTION

| | |
|--------------|-----|
| Albumin: | Nil |
| Glucose: | Nil |
| Bile Pigment | -- |
| Bile salts: | -- |

MICROSCOPY EXAMINATION

| | | |
|-------------------|-----|------|
| Red Cells: | Nil | /Hpf |
| Pus Cells: | Nil | /Hpf |
| Epithelial Cells: | Nil | /Hpf |
| Crystals: | Nil | /Hpf |
| Casts: | Nil | /Hpf |

TECHNOLOGIST

- * Special Routine Haematology Special & Routine Biochemistry Clinical Pathology
- * Cultures Blood Stool Sputum Semen Pus etc.
- * Thyroid (T3, T4, TSH) Elisa TB Prolactin Testosterone Other Hormones
- * Cardiac Profile, Liver Profile, Kidney Profile.

EQUIPPED WITH :

AUTO-BIOCHEMISTRY ANALYZER
FULLY AUTOMATED HAEMATOLOGY ANALYZER
(HUMAN GERMANY)

NOT VALID FOR MEDICAL LEGAL PURPOSE

Near Petrol Pump, Bhadson Road, CHEHAL

ਨਵਯੁੱਗ ਕੰਪਿਊਟਰਾਈਜ਼ਡ ਲੈਬੋਰੇਟਰੀ, ਨੇੜੇ ਪੈਟਰੋਲ ਪੰਪ, ਭਾਦਸੋਂ ਰੋਡ, ਚਹਿਲ

Technologist :
B.S.Attri
D.M.L.T.

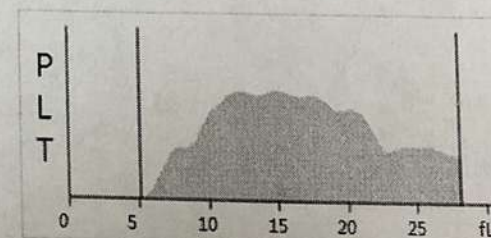
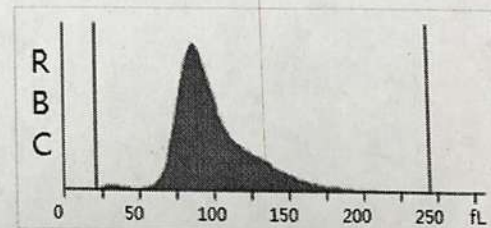
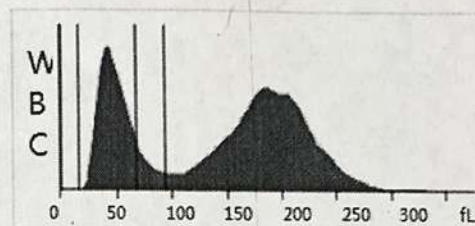
Timings :
6.30 a.m. to 8.00 p.m.
(Sunday Evening Closed)

Name: SHIV LAL
Dept.:
Age:
group: General

ID: 000000000015
Bed No.:
Gender: Male
Patient type:

Sample No.:
Blood type:
Time: 2021-11-20 11:52
Print Time: 2021-11-20 10:48

| Param | Result | Unit | Range |
|--------|-------------------|---------------------|------------|
| WBC | 10.1 | 10 ⁹ /L | 4.0-11.0 |
| LYM% | 32.0 | % | 20.0-40.0 |
| MID% | 2.7 | % | 1.0-15.0 |
| GRAN% | 65.3 | % | 50.0-70.0 |
| LYM# | 3.2 | 10 ⁹ /L | 0.6-4.1 |
| MID# | 0.3 | 10 ⁹ /L | 0.1-1.8 |
| GRAN# | 6.6 | 10 ⁹ /L | 2.0-7.8 |
| RBC | 4.93 | 10 ¹² /L | 3.50-6.00 |
| HGB | 14.3 | g/dL | 11.0-17.0 |
| HCT | 45.0 | % | 35.0-54.0 |
| MCV | 91.4 | fL | 80.0-100.0 |
| MCH | 29.0 | Pg | 26.0-34.0 |
| MCHC | 31.7 | g/dL | 31.5-36.0 |
| RDW_CV | 12.5 | % | 11.0-16.0 |
| RDW_SD | 50.7 | fL | 35.0-56.0 |
| PLT | 158 | 10 ⁹ /L | 150-450 |
| MPV | 12.0 | fL | 6.5-12.0 |
| PDW | 15.3 | fL | 9.0-17.0 |
| PCT | 0.18 | % | 0.10-0.28 |
| P_LCR | 55.8 [↑] | % | 11.0-45.0 |
| P_LCC | 88 | 10 ⁹ /L | 11-135 |



Remark:

Sender:

Checker: administrator

Assessor:

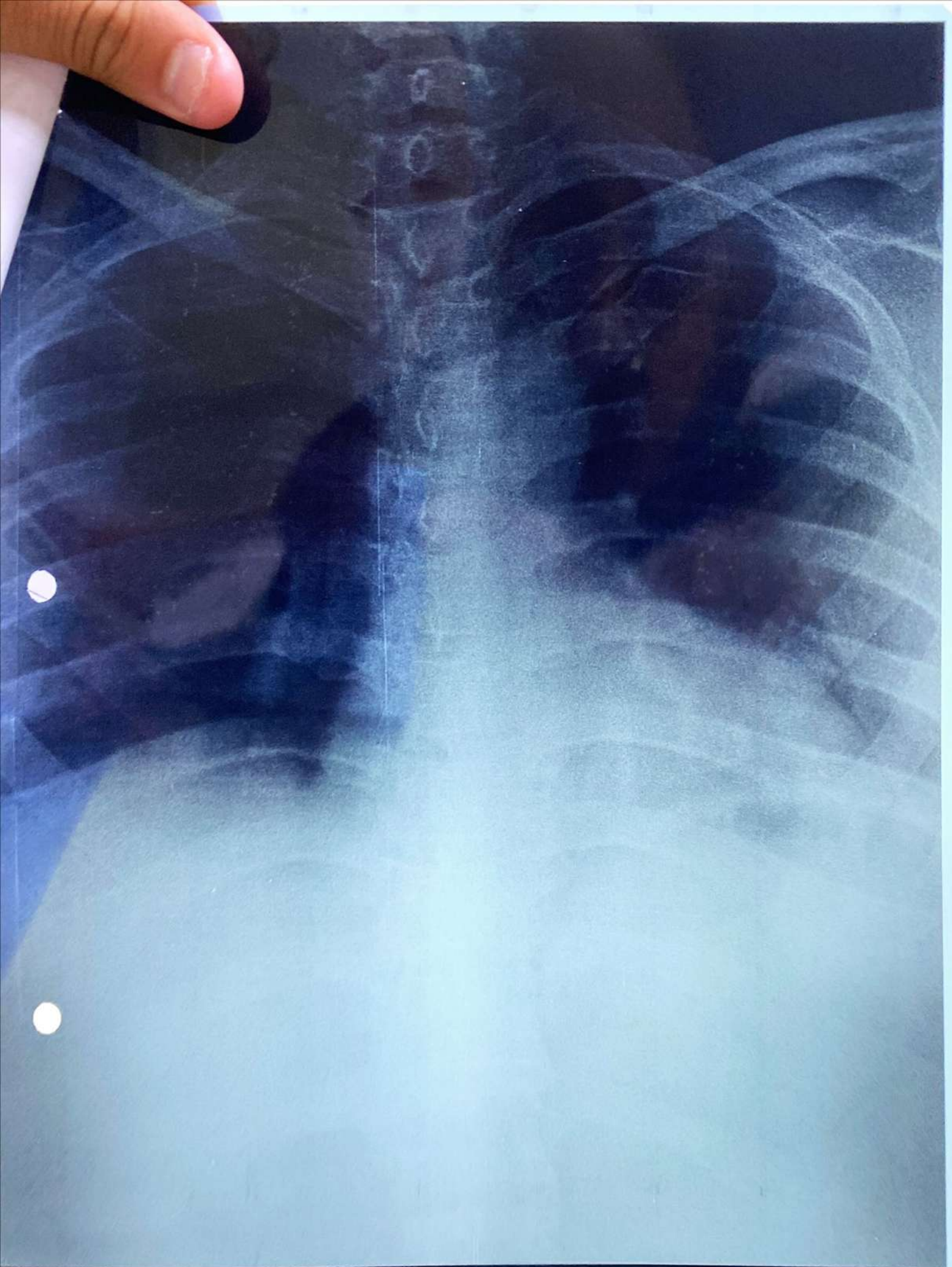
TECHNOLOGIST

- * Special Routine Haematology Special & Routine Biochemistry, Clinical Pathology
* Cultures Blood Stool Sputum Semen Pus etc.
* Thyroid (T3, T4, TSH) Elisa TB Prolactin Testosterone Other Hormones
* Cardiac Profile, Liver Profile, Kidney Profile.

EQUIPPED WITH :

AUTO-BIOCHEMISTRY ANALYZER
FULLY AUTOMATED HAEMATOLOGY ANALYZER
(HUMAN GERMANY)

NOT VALID FOR MEDICAL LEGAL PURPOSE



SHIV LAL 38 Y 4488 M CHEST,FRN P->A 20-Nov-21 11:16 AM
MD JAMEEL BONE & JOINT PHYSIO CENTRE, AMLOH,(M)9780166139

CERTIFICATE OF FITNESS

Kundra Health Care

BHADWAN

1. Periodical Employment Medical Examination

| Sr. No. | Details | Necessary Comments |
|---------|---|---|
| 1. | Serial No. <u>293</u> E.Code. <u>1644</u> | |
| 2. | Name of person examined. <u>Rajesh Dutt. Shukla</u> Sex. <u>M</u> | |
| 3. | Son of. <u>Ardesh Dutt. Shukla</u> Residing at. <u>Chahal</u> | Address. <u>Parigawa</u> <u>Po. Sohagari</u> <u>Dist. Sidaketh Naraulpur</u> |
| 4. | Employed as. <u>Operator</u> Department. <u>CGL</u> | B. P.: <u>140/90</u> Pulse: <u>89/μ</u> SPO2: <u>98%</u> |
| 5. | Examined is fit/unfit for employment at the factory. <u>Madhav KRG Ltd</u> be employed and may be employed on. | Chest: <u>NVB</u> , No Rhonchi / Crepti CVS: <u>S1 S2 (M) JVP (M) No MDR</u> ABD: LIVER: <u>N. palpable</u> SPLEEN: <u>N. palpable</u> |
| 6. | M/s MADHAV KRG LTD. In which employed/in which hazardous operation such as <u>Steel producer</u> wishes to be employed. <u>Operator</u> produced for further examination after of <u>Six months</u> | Vision: <u>(M)</u> R/E: <u>6/6</u> L/E: <u>6/6</u> Ears: <u>was OIE</u> Teeth: <u>Can B/L</u> |
| 7. | Process or department employed/wishes to be advised following examination <u>Cem</u> Employed <u>Yes</u> | RBS: <u>1644</u> Wt: <u>92kg</u> Other Remarks: |

CERTIFICATE OF FITNESS

ajesh 1644
 RIGHT EYE
 CYL
 B/E
 DD
 REB
 NOT VA
 Tech
 B

| | | |
|-----|--|--|
| 8. | Whether certificate granted. <u>Yes</u> Advised following treatment. <u>tau Amblyopia on</u> | <u>Avoid salt & fat</u> <u>Reduce yr weight</u> |
| 9. | Whether declared unfit and certificate refused. <u>No</u> Number of previous certificate is. <u>NA</u> | |
| 10. | Reference number of previous certificate granted or refused. <u>NA</u> | |

Rajesh Datt Shukla
 L.T.I. of person examined

Signature of certifying surgeon

2. EXAMINATION RESULTES AND REPORTS

1. Chest X-Ray Report

Dr. Pardeep Kundra
 M.D.
Kundra Health Care Centre
BHADSON
 Examining Doctor's Signature
 (stamp, Signature, Name and address of the Physician)

Date : 18/1/2022

NAVYUG COMPUTERISED LABORATORY

Near Petrol Pump, Bhadson Road, CHEHAL

ਨਵਯੁੱਗ ਕੰਪਿਊਟਰਾਈਜ਼ਡ ਲੈਬੋਰੇਟਰੀ, ਨੇੜੇ ਪੈਟਰੋਲ ਪੰਪ, ਭਾਦਸੋਂ ਰੋਡ, ਚਹਿਲ

Timings :

6.30 a.m. to 8.00 p.m.

(Sunday Evening Closed)

Technologist :
B.S.Attri
D.M.L.T.

Patient Name:-Rajesh Sukla

Date:- 10-12-21

Ref.by Dr.

BIOCHEMISTRY REPORT

| TEST | RESULT | NORMAL |
|--------------------|-----------|-----------|
| Random Blood Sugar | 114 mg/dl | (110-160) |

URINE EXAMINATION**PHYSICAL EXAMINATION**

| | |
|-------------|--------|
| Sample: | Random |
| Quantity: | 15 ml |
| Appearance: | Clear |
| Reaction: | Acidic |
| Spec.Grav: | Q.N.S. |

CHEMICAL REACTION

| | |
|--------------|-----|
| Albumin: | Nil |
| Glucose: | Nil |
| Bile Pigment | -- |
| Bile salts: | -- |

MICROSCOPY EXAMINATION

| | | |
|-------------------|-----|------|
| Red Cells: | Nil | /Hpf |
| Pus Cells: | Nil | /Hpf |
| Epithelial Cells: | Nil | /Hpf |
| Crystals: | Nil | /Hpf |
| Casts: | Nil | /Hpf |

TECHNOLOG

- * Special Routine Haematology Special & Routine Biochemistry Clinical Pathology
- * Cultures Blood Stool Sputum Semen Pus etc.
- * Thyoid (T3, T4, TSH) Elise/ta TB Prolactin Testosterone Other Hormomoces
- * Cardiac Profile, Liver Profile, Kidney Profile.

EQUIPPED WITH :

AUTO-BIOCHEMISTRY ANALYZER
FULLY AUTOMATED HAEMATOLOGY ANALYZER
(HUMAN GER)

NAVYUG COMPUTERISED LABORATORY

Near Petrol Pump, Bhadson Road, CHEHAL

ਨਵਯੁਗ ਕੰਪਿਊਟਰਾਈਜ਼ਡ ਲੈਬੋਰੇਟਰੀ, ਨੇੜੇ ਪੈਟਰੋਲ ਪੰਪ, ਭਾਦਸੌਂ ਰੋਡ, ਚਹਿਲ

Timings :

6.30 a.m. to 8.00 p.m.

(Sunday Evening Closed)

Technologist :

B.S.Attri

D.M.L.T.

Name:RAJESH SUKLA

ID:000000000011

Sample No.:

Dept.:

Bed No.:

Blood type:

Age:

Gender:Male

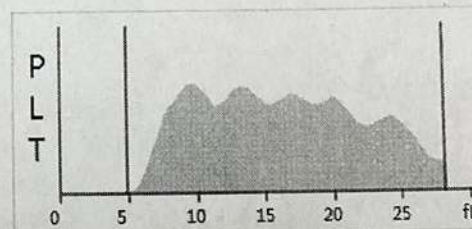
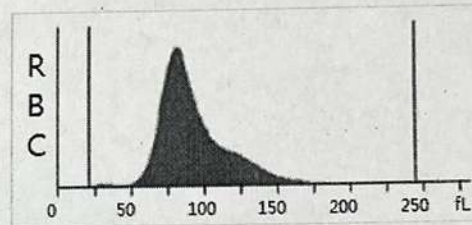
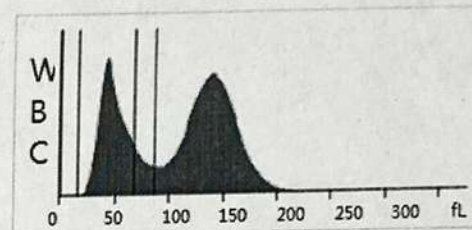
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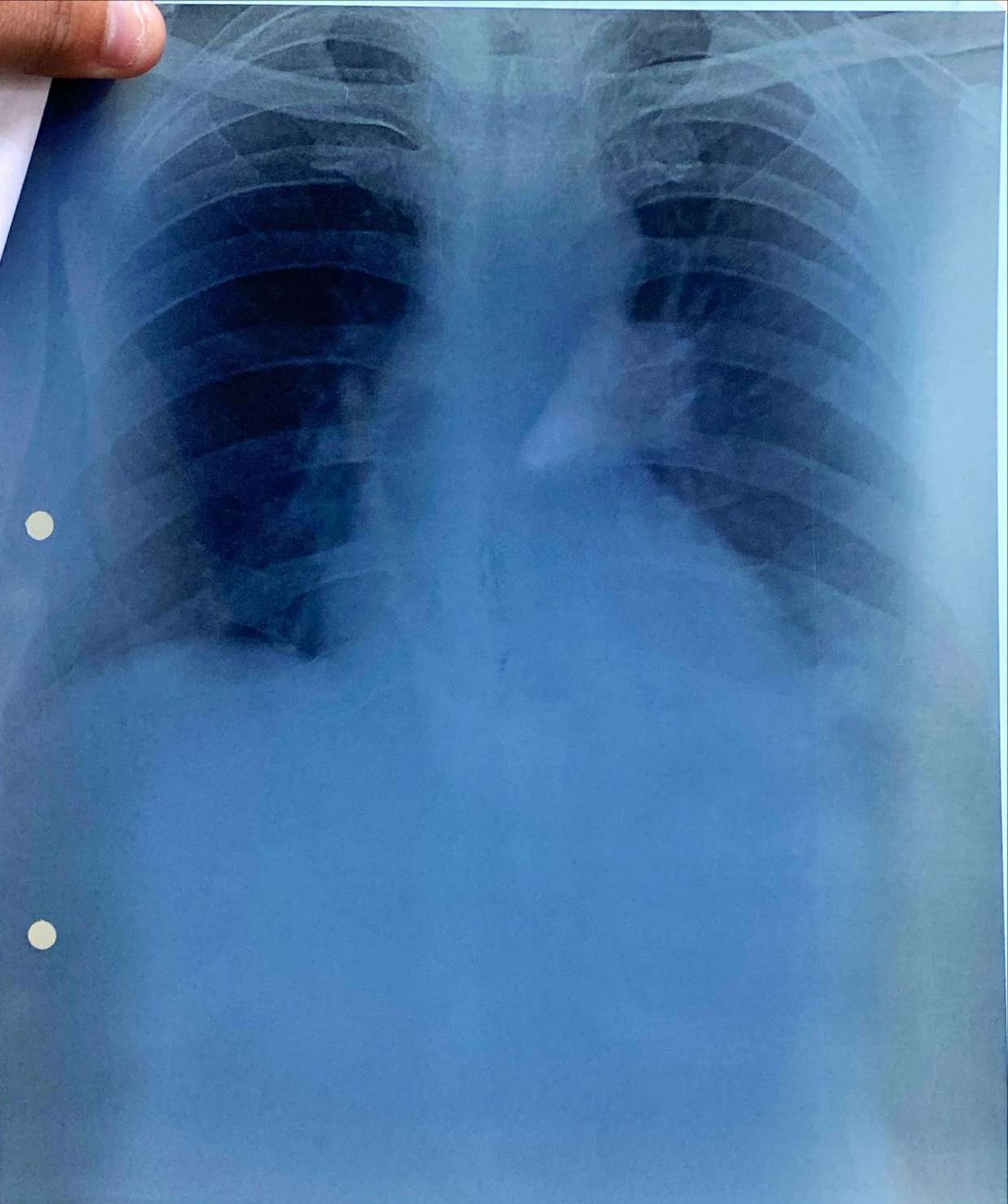
group:General

Patient type:

Print Time:2021-12-10 15:28

| Param | Result | Unit | Range |
|--------|--------|---------------------|------------|
| WBC | 7.6 | 10 ⁹ /L | 4.0-11.0 |
| LYM% | 36.2 | % | 20.0-40.0 |
| MID% | 3.6 | % | 1.0-15.0 |
| GRAN% | 60.2 | % | 50.0-70.0 |
| LYM# | 2.8 | 10 ⁹ /L | 0.6-4.1 |
| MID# | 0.3 | 10 ⁹ /L | 0.1-1.8 |
| GRAN# | 4.5 | 10 ⁹ /L | 2.0-7.8 |
| RBC | 4.95 | 10 ¹² /L | 3.50-6.00 |
| HGB | 13.0 | g/dL | 11.0-17.0 |
| HCT | 41.5 | % | 35.0-54.0 |
| MCV | 83.9 | fL | 80.0-100.0 |
| MCH | 26.2 | Pg | 26.0-34.0 |
| MCHC | 31.3↓ | g/dL | 31.5-36.0 |
| RDW_CV | 11.4 | % | 11.0-16.0 |
| RDW_SD | 53.4 | fL | 35.0-56.0 |
| PLT | 128↓ | 10 ⁹ /L | 150-450 |
| MPV | 11.5 | fL | 6.5-12.0 |
| PDW | 15.7 | fL | 9.0-17.0 |
| PCT | 0.14 | % | 0.10-0.28 |
| P_LCR | 53.1↑ | % | 11.0-45.0 |
| P_LCC | 67 | 10 ⁹ /L | 11-135 |





RAJESH SHUKLA 50Y 4930 M CHEST,FRN P->A 10-Dec-21 04:28 PM
MD JAMEEL BONE & JOINT PHYSIO CENTRE, AMLOH,(M)9780166139

CERTIFICATE OF FITNESS

Dr. Pardeep Kundra
M.D

Kundra Health Care Centre
BHADSON

1. Periodical Employment Medical Examination

| Sr. No. | Details | Necessary Comments |
|---------|---|---|
| 1. | Serial No. <u>321</u> E.Code. <u>1947</u> | |
| 2. | Name of person examined. <u>Bal Gobind</u> Sex. <u>M</u> | |
| 3. | Son of. <u>Om Paresh Mishra</u> Residing at. <u>Chahal</u> | Address: <u>V. Okhale Kunwarpur</u> <u>P.O. Malwa</u> <u>Dist. Fatehpur (UP)</u> |
| 4. | Employed as. <u>Helper</u> Department. <u>CAL</u> | Blood Pressure: <u>120/80mm</u> Pulse: <u>84/μ.</u> SPO2: <u>98%</u> |
| 5. | Examined is fit/unfit for employment at the factory. <u>Madhav KRG Ltd</u> Be employed and may be employed on. | Chest: <u>No Rhuchi / Crepts</u> Breathing: <u>NVB</u> CVS: <u>3.5 (M) JVP (M) No m-R.</u> ABD: <u>MAO</u> |
| 6. | M/s <u>MADHAV KRG LTD.</u> In which employed/in which hazardous operation such as <u>Steel Galvanizing</u> wishes to be employed. <u>Helper</u> Produced for further examination after of <u>Six months</u> | Vision: <u>(M)</u> R/E: <u>6/6</u> L/E: <u>6/6</u> Ears: <u>max N/E</u> Teeth: <u>Carious N/R</u> RBS: <u>98mg/l</u> Wt: <u>61.5 kg</u> |
| 7. | Process or department employed/wishes to be advised following examination <u>Asm</u> Employed <u>Yes</u> | Other Remarks: <u>Kidney Check (Creatinine) BV markings</u> |

VBR
 NC
 R
 Se
 *Sp
 *Cu
 *Thy
 *Ca

CERTIFICATE OF FITNESS

2000



| | | |
|-----|---|----------------|
| 8. | Whether certificate granted. <u>Yes</u> Advised following treatment. <u>Nil</u> | fit to do duty |
| 9. | Whether declared unfit and certificate refused. <u>No</u> Number of previous certificate is. <u>None</u> | |
| 10. | Reference number of previous certificate granted or refused. <u>None</u> | |

[Signature]
E.T.I. of person examined

Signature of certifying surgeon

2. EXAMINATION RESULTES AND REPORTS

1. Chest X-Ray Report

Dr. Pardeep Kundra
M.D
Kundra Health Care Centre
Examining Doctor's Signature
(stamp, Signature, Name and address of the Physician)

Date: 12/10/20

NAVYUG COMPUTERISED LABORATORY

Near Petrol Pump, Bhadson Road, CHEHAL

ਨਵਯੁਗ ਕੰਪਿਊਟਰਾਈਜ਼ਡ ਲੈਬੋਰੇਟਰੀ, ਨੇੜੇ ਪੈਟਰੋਲ ਪੰਪ, ਭਾਦਸੌਂ ਰੋਡ, ਚਹਿਲ

Timings :

6.30 a.m. to 8.00 p.m.
(Sunday Evening Closed)

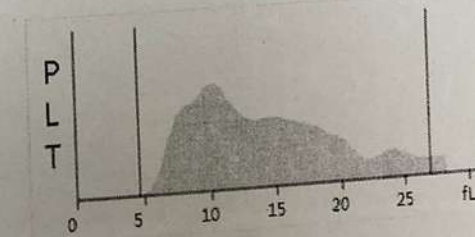
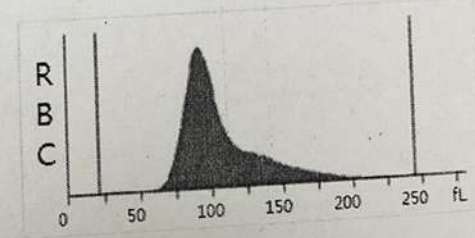
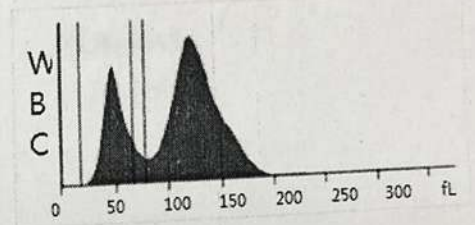
Technologist :
B.S.Attri
D.M.L.T.

Name: BALGOBIND
Dept.:
Age: 24Y
group: Male

ID: 000000000004
Bed No.:
Gender: Male
Patient type:

Sample No.:
Blood type:
Time: 2022-02-05 14:10
Print Time: 2022-02-05 14:07

| Param | Result | Unit | Range |
|--------|--------|---------------------|------------|
| WBC | 7.7 | 10 ⁹ /L | 4.0-11.0 |
| LYM% | 28.8 | % | 20.0-50.0 |
| MID% | 2.1↓ | % | 3.0-10.0 |
| GRAN% | 69.1 | % | 40.0-75.0 |
| LYM# | 2.2 | 10 ⁹ /L | 1.1-3.2 |
| MID# | 0.2 | 10 ⁹ /L | 0.1-0.6 |
| GRAN# | 5.3 | 10 ⁹ /L | 1.8-6.3 |
| RBC | 4.59 | 10 ¹² /L | 4.30-5.80 |
| HGB | 13.8 | g/dL | 11.0-17.0 |
| HCT | 45.0 | % | 40.0-50.0 |
| MCV | 98.1 | fL | 82.0-100.0 |
| MCH | 30.0 | Pg | 27.0-34.0 |
| MCHC | 30.6↓ | g/dL | 31.6-35.4 |
| RDW CV | 10.2↓ | % | 11.5-14.5 |
| RDW SD | 45.3 | fL | 37.0-54.0 |
| PLT | 152 | 10 ⁹ /L | 150-450 |
| MPV | 9.7 | fL | 7.4-10.4 |
| PDW | 15.7↑ | fL | 10.0-14.0 |
| PCT | 0.14 | % | 0.10-0.28 |
| P_LCR | 39.6 | % | 13.0-43.0 |
| P_LCC | 60 | 10 ⁹ /L | 13-129 |



Remark:

Sender:

Checker: administrator

Assessor:

TECHNOLOGICAL

Special Routine Haematology Special & Routine Biochemistry Clinical Pathology
Cultures Blood Stool Sputum Semen Pus etc.
TB Prolactin Testosterone Other Hormones

EQUIPPED WITH :
AUTO-BIOCHEMISTRY ANALYZER
FULLY AUTOMATED HAEMATOLOGY ANALYZER
(HUMAN GENETICS)

AVYUG COMPUTERISED LABORATORY

Near Petrol Pump, Bhadson Road, CHEHAL

ਨਵਯੁਗ ਕੰਪਿਊਟਰਾਈਜ਼ਡ ਲੈਬੋਰੇਟਰੀ, ਨੇੜੇ ਪੈਟਰੋਲ ਪੰਪ, ਭਾਦਸੋਂ ਰੋਡ, ਚਹਿਲ

Timings :

6.30 a.m. to 8.00 p.m.

(Sunday Evening Closed)

Technologist :

B.S.Attri

D.M.L.T.

Patient Name:-Balgobind

Date:- 05-02-22

Ref.by Dr.

BIOCHEMISTRY REPORT

| TEST | RESULT | NORMAL |
|--------------------|----------|-----------|
| Random Blood Sugar | 98 mg/dl | (110-160) |

URINE EXAMINATION

PHYSICAL EXAMINATION

| | |
|-------------|--------|
| Sample: | Random |
| Quantity: | 20 ml |
| Appearance: | Clear |
| Reaction: | Acidic |
| Spec.Grav: | Q.N.S. |

CHEMICAL REACTION

| | |
|--------------|-----|
| Albumin: | Nil |
| Glucose: | Nil |
| Bile Pigment | -- |
| Bile salts: | -- |

MICROSCOPY EXAMINATION

| | | |
|-------------------|-----|------|
| Red Cells: | Nil | /Hpf |
| Pus Cells: | Nil | /Hpf |
| Epithelial Cells: | Nil | /Hpf |
| Crystals: | Nil | /Hpf |
| Casts: | Nil | /Hpf |

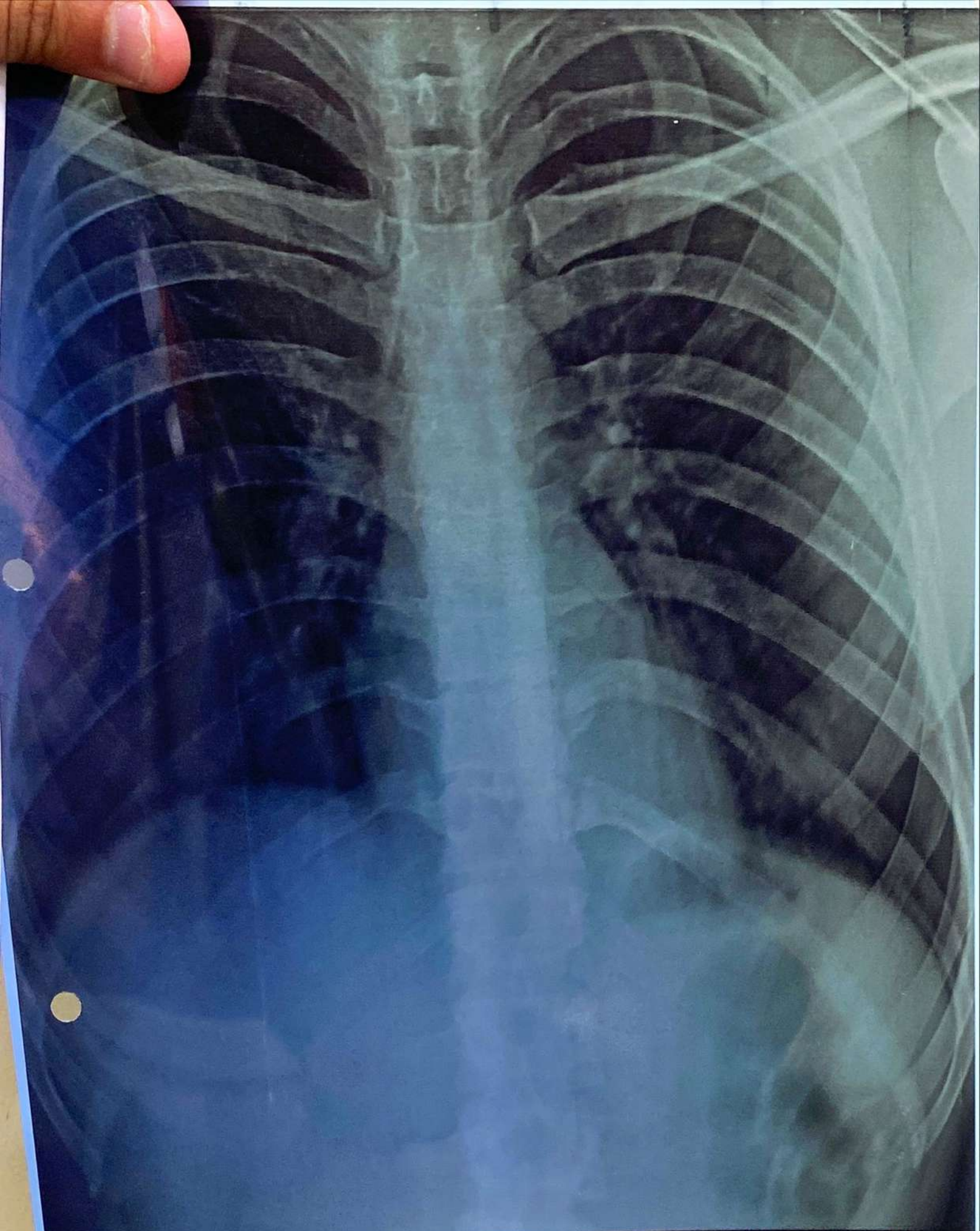
TECHNOL

Special Routine Haematology Special & Routine Biochemistry Clinical Pathology
Urea Blood Stool Sputum Semen Pus etc.
T3, T4, TSH) Elisa TB Prolactin Testosterone Other Hormones
Diabetic Profile, Liver Profile, Kidney Profile.

EQUIPPED WITH :

AUTO-BIOCHEMISTRY ANALYZER
FULLY AUTOMATED HAEMATOLOGY
(HUMAN)

NOT VALID FOR MEDICAL LEGAL PURPOSE



RAI GOVIND 24 Y 8253 M CHEST,FRN P->A 2/5/2022 12:06 PM
PHYSIO & JOINT PHYSIO CENTRE,AMLOH,(M)9780166139

CERTIFICATE OF FITNESS

Dr. Pardeep Kundra
M.D.

Kundra Health Care Centre
BRADSON

1. Periodical Employment Medical Examination

| Sr. No. | Details | Necessary Comments |
|---------|--|--|
| 1. | Serial No. <u>320</u> E.Code. <u>1273</u> | |
| 2. | Name of person examined. <u>Rajiv Mishra</u> Sex. <u>M</u> | |
| 3. | Son of. <u>Sidhmat Mishra</u> Residing at. <u>Chahal</u> | Address. <u>V. Mishra pue</u> <u>P.O. Rohitpur</u> <u>Dist. B (C.P.)</u> |
| 4. | Employed as. <u>Operator</u> Department. <u>CGL</u> | Blood Pressure: <u>130/80</u> Pulse: <u>93</u> |
| 5. | Examined is fit/unfit for employment at the factory. <u>Madhav KRG Ltd</u> Be employed and may be employed on. | Chest: <u>no Rhinchi / crept</u> SPO2: <u>98%</u> Breathing: <u>NVS</u> CVS: <u>S1S2 (N) JVP (N) No murmurs / be</u> ABD: |
| 6. | M/s MADHAV KRG LTD. In which employed/in which hazardous operation such as <u>Steel products</u> wishes to be employed. <u>Operator</u> Produced for further examination after of <u>Six months</u> | Vision: <u>(N)</u> R/E: <u>6/6</u> L/E: <u>6/6</u> Ears: <u>no B/E</u> Teeth: |
| 7. | Process or department employed/wishes to be advised following examination <u>Gen</u> Employed <u>yes</u> | RBS: <u>112mg/dl</u> Wt: <u>81kg</u> Other Remarks: <u>X-ray chest - BV marking</u> |

CERTIFICATE OF FITNESS

| | | |
|-----|---|-------------------------|
| 8. | Whether certificate granted. <u>Yes</u> Advised following treatment. <u>NIL</u> | <u>fit to do duties</u> |
| 9. | Whether declared unfit and certificate refused. <u>No</u> Number of previous certificate is. <u>No</u> | |
| 10. | Reference number of previous certificate granted or refused. <u>No</u> | |

VIYUG COMPLIANCE
Near Petrol Pump
Technologist:
B.S. Attri
D.M.

Pojeev
L.T.I. of person examined

Signature of certifying surgeon

2. EXAMINATION RESULTES AND REPORTS

1. Chest X-Ray Report

Dr. Pardeep Kundra
Pardeep
Kundra Health Care
Examining Doctor's Signature
(stamp, Signature, Name and address of the Physician)

Date: 12/21/2022

NAVYUG COMPUTERISED LABORATORY

Near Petrol Pump, Bhadson Road, CHEHAL

ਨਵਯੁਗ ਕੰਪਿਊਟਰਾਈਜ਼ਡ ਲੈਬੋਰੇਟਰੀ, ਨੇੜੇ ਪੈਟਰੋਲ ਪੰਪ, ਭਾਦਸੌਂ ਰੋਡ, ਚਹਿਲ

Technologist :
B.S.Attri
D.M.L.T.

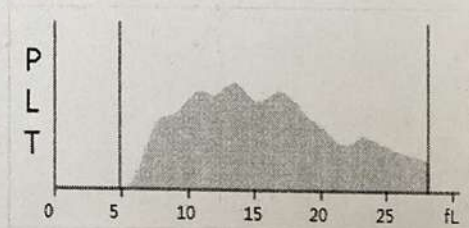
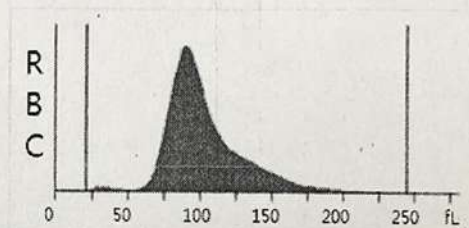
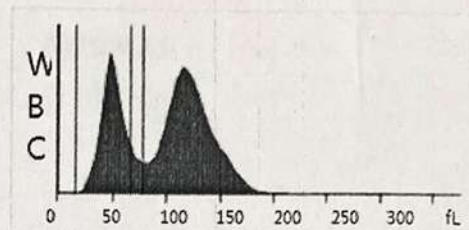
Timings :
6.30 a.m. to 8.00 p.m.
(Sunday Evening Closed)

Name: RAJU MISRA
Dept.:
Age: 28Y
group: Male

ID: 000000000007
Bed No.:
Gender: Male
Patient type:

Sample No.:
Blood type:
Time: 2022-02-05 14:16
Print Time: 2022-02-05 14:15

| Param | Result | Unit | Range |
|--------|--------|---------------------|------------|
| WBC | 8.0 | 10 ⁹ /L | 4.0-11.0 |
| LYM% | 36.0 | % | 20.0-50.0 |
| MID% | 2.9↓ | % | 3.0-10.0 |
| GRAN% | 61.1 | % | 40.0-75.0 |
| LYM# | 2.9 | 10 ⁹ /L | 1.1-3.2 |
| MID# | 0.2 | 10 ⁹ /L | 0.1-0.6 |
| GRAN# | 4.9 | 10 ⁹ /L | 1.8-6.3 |
| RBC | 5.01 | 10 ¹² /L | 4.30-5.80 |
| HGB | 14.8 | g/dL | 11.0-17.0 |
| HCT | 47.1 | % | 40.0-50.0 |
| MCV | 94.1 | fL | 82.0-100.0 |
| MCH | 29.5 | Pg | 27.0-34.0 |
| MCHC | 31.4↓ | g/dL | 31.6-35.4 |
| DW_CV | 12.1 | % | 11.5-14.5 |
| RDW_SD | 53.4 | fL | 37.0-54.0 |
| PLT | 183 | 10 ⁹ /L | 150-450 |
| MPV | 11.2↑ | fL | 7.4-10.4 |
| PDW | 15.6↑ | fL | 10.0-14.0 |
| PCT | 0.20 | % | 0.10-0.28 |
| P_LCR | 49.8↑ | % | 13.0-43.0 |
| P_LCC | 91 | 10 ⁹ /L | 13-129 |



Remark:

Sender: Checker: administrator

Assessor: TECHNOLOGIST

* Special Routine Haematology Special & Routine Biochemistry Clinical Pathology
* Cultures Blood Stool Sputum Semen Pus etc.
* Thyroid (T3, T4, TSH) Elisa TB Prolactin Testosterone Other Hormones
* Cardiac Profile, Liver Profile, Kidney Profile.

EQUIPPED WITH :

AUTO-BIOCHEMISTRY ANALYZER
FULLY AUTOMATED HAEMATOLOGY ANALYZER
(HUMAN GERMANY)

NOT VALID FOR MEDICAL LEGAL PURPOSE

Near Petrol Pump, Bhadson Road, CHEHAL
ਨਵਜੁੱਗ ਕੰਪਿਊਟਰਾਈਜ਼ਡ ਲੈਬੋਰੇਟਰੀ, ਨੇੜੇ ਪੈਟਰੋਲ ਪੰਪ, ਭਾਦਸੌਂ ਰੋਡ, ਚਹਿਲ

Timings :

6.30 a.m. to 8.00 p.m.
(Sunday Evening Closed)

Technologist :
B.S.Attri
D.M.L.T.

Patient Name:-Raju Misra

Date:- 05-02-22

Ref.by Dr.

BIOCHEMISTRY REPORT

| TEST | RESULT | NORMAL |
|--------------------|-----------|-----------|
| Random Blood Sugar | 112 mg/dl | (110-160) |

URINE EXAMINATION

PHYSICAL EXAMINATION

| | |
|-------------|--------|
| Sample: | Random |
| Quantity: | 15 ml |
| Appearance: | Clear |
| Reaction: | Acidic |
| Spec.Grav: | Q.N.S. |

CHEMICAL REACTION

| | |
|--------------|-----|
| Albumin: | Nil |
| Glucose: | Nil |
| Bile Pigment | -- |
| Bile salts: | -- |

MICROSCOPY EXAMINATION

| | | |
|-------------------|-----|------|
| Red Cells: | Nil | /Hpf |
| Pus Cells: | Nil | /Hpf |
| Epithelial Cells: | Nil | /Hpf |
| Crystals: | Nil | /Hpf |
| Casts: | Nil | /Hpf |

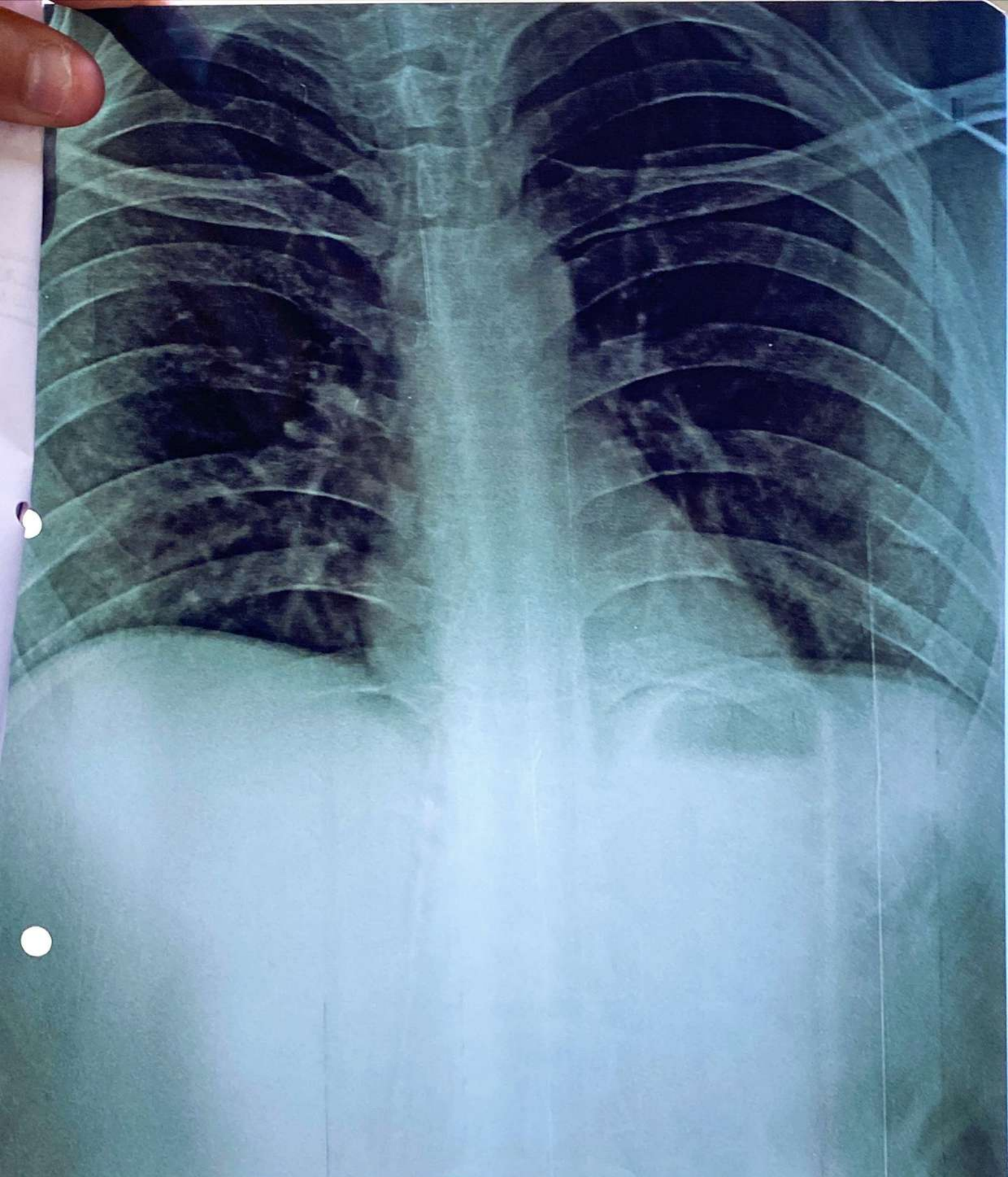
TECHNOLOGIST

- * Special Routine Haematology Special & Routine Biochemistry Clinical Pathology
- * Cultures Blood Stool Sputum Semen Pus etc.
- * Thyoid (T3, T4, TSH) Elisela TB Prolactin Testosterone Other Hormomoces
- * Cardiac Profile, Liver Profile, Kidney Profile.

EQUIPPED WITH :

AUTO-BIOCHEMISTRY ANALYZER
FULLY AUTOMATED HAEMATOLOGY ANALYZER
(HUMAN GERMANY)

NOT VALID FOR MEDICAL LEGAL PURPOSE



**RAJEEV MISRA 28 Y 8248 M CHEST,FRN P->A 2/5/2022 11:43 AM
MD JAMEEL BONE & JOINT PHYSIO CENTRE,AMLOH,(M)9780166139**

1. Periodical Employment Medical Examination

| Sr. No. | Details | Necessary Comments |
|---------|--|--|
| 1. | Serial No. <u>358</u> E.Code. <u>1085</u> | |
| 2. | Name of person examined. <u>Karnjit Singh</u> Sex. <u>M</u> | |
| 3. | S/O, D/O, W/O <u>Nirmal Singh</u> Residing at. <u>Dangheri</u> | Address. <u>N. Dangheri</u> <u>P.O. Maehrai Kalan</u> <u>D.S.H. P.C.S.</u> |
| 4. | Employed as. <u>Supervisor</u> Department. <u>S-yard</u> | B. P.: <u>120/80</u> Pulse: <u>80/</u> SPO2: <u>98%</u> Chest: Breathing: <u>NVS</u> <u>No Rhonchi / crepts</u> |
| 5. | Examined is fit/unfit for employment at the factory. <u>Madhav KRG Ltd</u> be employed and may be employed on. | CVS: <u>S₁ S₂ (M)</u> , No murmur No basal crepts |
| 6. | M/s <u>MADHAV KRG LTD.</u> In which employed/in which hazardous operation such as <u>Scrap products</u> wishes to be employed. <u>Supervisor</u> produced for further examination after of _____ | ABD: <u>soft + non tender</u> LIVER: <u>Not palpable</u> SPLEEN: <u>Not palpable</u> Vision: <u>(M)</u> R/E: <u>6/6</u> L/E: <u>6/6</u> |
| 7. | Process or department employed/wishes to be advised following examination <u>Gen.</u> Employed <u>Yes</u> | Ears: <u>max RIE</u> Teeth: <u>Caviti NIL</u> RBS: <u>9/100</u> Wt: <u>82kg</u> Other Remarks: |

CERTIFICATE OF FITNESS

| | | |
|-----|--|----------------|
| 8. | Whether certificate granted. <u>Yes</u> Advised following treatment. <u>none</u> _____ | fit to do duty |
| 9. | Whether declared unfit and certificate refused. <u>no</u> Number of previous certificate is. <u>none</u> | M |
| 10. | Reference number of previous certificate granted or refused. <u>none</u> | M |

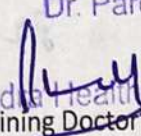


L.T.I. of person examined


Signature of certifying surgeon

2. EXAMINATION RESULTES AND REPORTS

1. Chest X-Ray Report

Dr. Pardeep Kundra
M.D.

Kundra Health Care Centre
Examining Doctor's Signature
(stamp, Signature, Name and address of the Physician)

Date: 4/31/2022

|  Ek Kadam Aage www.madhavkrggroup.com | | Madhav KRG Limited | | | | | |
|---|---|-------------------------------|--|---|----------|---------|---------|
| CSR Activities Summary Years 2021-22 | | | | (BHADSON-AMLOH ROAD, VILLAGE AKALGARH, TEHSIL NABHA, DISTRICT PATIALA, PUNJAB) | | | |
| S. No | Activity Head | Activity Sub-Head | Activity Details | 2021-22 | | | |
| | | | | Budget | Spending | Balance | |
| 1 | Skill Developments | Vocational Skills | Opening of Various Vocational Skills like Sewing Centres for Women, Promoting Short Vocational Skill Development Programs like Electricians, ETT, Solar etc. for Rural Youth | 1842500 | 124676 | 1717824 | |
| | | Soft Skills | Organizing Various Programs for Rural Youth to Development Soft Skills like Confidence, Commitment, Communication Skills, Personality Development etc. | | | | |
| 2 | Educational Developments | Basic Educations | Providing Infrastructure in Govt Schools like Furniture, Mats, Electricals, Painting, Building Repairs & Scholarships to Needy Students & Teachers for Sports and Music Etc. | 1860000 | 87398 | 1772602 | |
| | | Value Based Education | Organizing Various Programs in Govt Schools & Villages to Provide Value Based Education to become Useful Citizens for Society. | | | | |
| 3 | Awareness Developments | 5 H Programs | Hygiene | Organizing Awareness Camps of Swachh Bharat, Cleaning Drives, Nukad Plays, Medical Camps, Blood/Organ Donation Camps, Yoga Camps, Health is Wealth Camps Etc. | 6300000 | 3272785 | 3027215 |
| | | | Health | | | | |
| | | | Homes | | | | |
| | | | Harmony | | | | |
| | | Human Values | | | | | |
| | | Environment Programs | Plantations | | | | |
| Awareness to Local Framers | | | | | | | |
| | Wildlife conservation | | | | | | |
| | Water Conservations | | | | | | |
| 4 | Administrative Expenses on CSR Activities | | | 1600000 | 381893 | 1218107 | |
| Total | | | | 11602500 | 3866752 | 7735748 | |

Our Vision

Enabling Infrastructure, accelerating Growth.

Our Mission

Contribute in building New India and to promote Make-in-India, through:

- ❖ Exponential Growth through Innovation and Technology**
 - ❖ Ensuring Sustainable Future**
 - ❖ Enhancing Customer Delight**
 - ❖ Nurturing abilities and Enriching Capabilities of employees**
 - ❖ To establish and maintain Win-Win Relationship with Stake Holders and Business Associates**
-

SALIENT FEATURES OF EHS POLICY

- ▶ ***We at Madhav Alloys shall integrate EHS aspects, into our operations, in order to save Environment and to ensure Safety and Health of people.***
- ▶ ***To enhance our EHS performance, we shall consistently strive to:-***
 - ***Minimize the adverse impacts of our operations on Environment, Health and Safety through continuous improvement in processes and upgrading technology.***
 - ***Minimize Effluent and Waste in order to minimize the EHS Risks.***
 - ***Ensure compliance with applicable EHS Laws.***
 - ***Train and motivate employees to work and conduct in a Safe and environmentally responsible manner.***
 - ***Open dialogue with people on EHS matters; communicate EHS risks and hazards so as to take necessary measures to eliminate risks.***

EHS POLICY

PURPOSE OF EHS POLICY

With the concern to protect the Environment and maintain the Health and Safety of our Associates, Investors, Customers and Society, Madhav Alloys Pvt. Ltd. has initiated a journey to be in conformance with international standards like **ISO 14001 and OHSAS 18001**. Conformance to EHS (Environment, Health and Safety) at Madhav Alloys Pvt. Ltd. is viewed as its responsibility for the future condition of our Environment and Health and Safety of Associate, Investor, Customer and Society (AICS).

SCOPE

The EHS Management System applies to operations related to Corporate Services & Human Resources, to facilitate all the Projects executed at EHS certified locations. This has been aligned to conform with the requirements of **ISO 14001:2015 and OHSAS 18001:2007**.

Areas covered are as below:

- Production & Operations
- Engineering and Utilities
- Administrative Services
- Human Capital

EHS MANAGEMENT SYSTEM

Madhav Alloys Pvt. Ltd. has established, implemented, maintained, analyzed and evaluated the EHS Management System. EHS Management System has been designed to measure and perform in achieving the EHS objectives and ensures compliance to legal and other requirements within the scope. The systematic approach to EHS promotes the culture, and values which adds Madhav Alloys Pvt. Ltd.'s commitment to continually improve the effectiveness of EHS parameters.

EHS management System of Madhav Alloys Pvt. Ltd. Shows its commitments towards the Health & Safety of all the persons working inside the premises including all the contractual workers, apprentices, transport workers & Suppliers etc. To identify various health & Safety related issues and to overcome from all the issues Madhav Alloys Pvt. Ltd. has formulated various committees as follows:

- a. Administrative safety Committee
- b. Operational Safety Committee
- c. WRD Safety Committee
- d. Canteen Safety Committee
- e. Central Safety Committee
- f. Environment Management Cell
- g. Tube & Pipe Plant Safety Committee

*All the Above committees includes 50% workers from Production and 50% from Management and works as per Factory Act 1948 Rule 67-I [Framed U/S 7-A, 41-B & 112 of the Act] and OHSAS 18001.

Madhav Alloys Pvt. Ltd. is committed to provide healthy and safe working conditions to all its associates and is focused on protecting and preventing any adverse impact to the environment, wherever it operates, through training, communication & performance measurement of identified EHS criteria and ensure improvement.

To ensure good health of the workers Madhav alloys Pvt. Ltd. conducts various activities like:

- a. **Pre-Employment Medical** of workers including Contract workers.
- b. **Periodical Medical Checkup** of workers including Contract workers.
- c. Trainings on Preventive Health care.

For All the Environment Related Issues Madhav Alloys Pvt. Ltd. Has established an **Environment Management Cell**. This Cell ensures all the Environment Related Compliances and all Environmental Concerns as per **ISO 14001**.

Madhav Alloys Pvt. Ltd. is committed to conduct its operations in compliance with Legal regulations & other requirements and in line with interested party concerns. We are committed to:

- Provide and maintain a healthy, safe workplace and lifestyle.
- Provide and maintain safe equipment with appropriate safety training
- Protect and prevent any adverse impact to the environment and comply with applicable legal and other requirements.
- Improving environmental quality, by minimizing waste and emissions, reusing and recycling, reducing the use of natural resources, and promoting pollution prevention efforts throughout the facility.
- Conducting operations to ensure culture and values.
- Periodic review of our Objectives, targets and EHS Management Systems for its adequacy and effectiveness.

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED AT THE MEETING OF THE BOARD OF DIRECTORS OF THE COMPANY HELD ON MONDAY 02.07.2018 AT THE REGD. OFFICE OF THE COMPANY.

“RESOLVED THAT consent of the board of the Company be hereby given for reorganisation of Environment Management Committee of the Company with effect from 02.07.2018 for the purpose of taking up Environment related issues. The details of members of the committee would be as under:-

| Cadre | S.No | Position | Represented By | Role |
|--------------------------|------|---------------------------------------|---------------------|-------------|
| Executive Council | 1 | Director | Mr. Sudhir Goyal | Chairperson |
| | 2 | System Head - Administration | Mr. Rajesh Jindal | Director |
| | 3 | Module Incharge - Legal & Secretarial | CA Rakesh Malik | Secretary |
| | 4 | Module Incharge - EHS | Er. Abhishek M | Coordinator |
| | 5 | Team Leader - Legal & Secretarial | Mr. Sunil Kumar | Coordinator |
| | 6 | HOD - Finance & Accounts | CA HP Kharbanda | Member |
| | 7 | HOD - HCD & EHS | Mr. Sumit Bhatti | Member |
| Members | 8 | System Head-Operations | Er. Anil Bhatia | Member |
| | 9 | Plant Head - Pipe & Tube Division | Er. Razeev Tandon | Member |
| | 10 | HOD - SMS & Rolling Division | Er. Harvinder Singh | Member |
| | 11 | Plant Head - Waste Recycling Unit | Er. Rahul Goyal | Member |
| | 12 | HOD - Waste Recycling Division | Mr. Mahipal Poonia | Member |
| | 13 | HOD - New Projects | Er. Amit Tomer | Member |
| | 14 | Module Incharge - Scrap Processing | Mr. Ajay Satyadev | Member |
| | 15 | Module Incharge - IF | Mr. Satpal Singh | Member |
| | 16 | Module Incharge - CCM | Mr. Arun Kumar | Member |
| | 17 | Module Incharge - RMS | Mr. Pawan Sharma | Member |
| | 18 | Module Incharge - PM&U | Mr. Ram Lal | Member |
| | 19 | HOD - RM Domestic Purchase | Mr. Dixit Gupta | Member |
| | 20 | HOD - Estate Management | Mr. Lal Chand Saini | Member |
| Advisors | 21 | Advisor - CSR Activities | Mr. Rajpal Makhni | Advisor |
| | 22 | Advisor - Public Relations | Mr. Dilbagh Mangat | Advisor |

For Madhav Alloys Private Limited

Sudhir Goyal

Director

DIN: 00361549

ल रहा है। लोक-...
कृतिक ने पर्यावरण को
से शुद्ध करने में अहम
से भाई है। यह विचार
व शर्मा बिट्टू ने कहे।
को सरकारी क्वार्टर
सोसिएशन घलीड़ी गेट
पर पौधरोपण करने के

की समस्याएं सुनकर उन्हें 24 घंटे
में पूरा करने का विश्वास दिलाया।
अधिक से अधिक पौधरोपण करने
से हम अपने पर्यावरण को शुद्ध
बनाने में अहम भूमिका निभा सकते
हैं, लेकिन जो लोग पौधरोपण किसी
कारण से नहीं कर सकते, वह

भी वाहन न चलाकर अपना योगदान
दे सकते हैं। हर व्यक्ति अपने
आसपास के इलाके को साफ रखने
में सहयोग करे, तो वह पर्यावरण
को स्वच्छ बनाने में सहायता कर
सकता है। सरकारी क्वार्टर रेजीडेंट
एसोसिएशन ने पौधरोपण के प्रयास

जसवीर सिंह, बुटा सिंह, प्रमोद गर्ग,
हरबीर सिंह, मलकीत सिंह जेई,
जसवीर सिंह, भूपिंदर सिंह, शमिंदर
सिंह, सरबजीत सिंह, हरविंदर
सिंह, विजय कुमार, दीपक शर्मा,
कमलजीत सिंह, भूपिंदर सिंह, प्रदीप
कुमार, जसविंदर सिंह मौजूद रहे।

श्री अखंड पाठ साहिब जी का भोग
भी 6 जून को डाला जाएगा। कहा
कि सरकार द्वारा जारी गाइडलाइन
तहत 6 जून को सादे समागम का ही
आयोजन किया जाएगा। उन्होंने कहा
कि लोग सरकार की गाइडलाइन
मानते हुए आयोजन मनाएं।

किंग

अग्रवाल सभा ने श्मशान घाट में पौधे लगाए



समाना 5 सास्त्री । अंतर्राष्ट्रीय
पर्यावरण दिवस पर अग्रवाल सभा
ने प्रधान पवन बंसल की अगुवाई
में श्मशान घाट में छायादार पौधे
लगाए। पवन बंसल ने कहा कि
गम्भीर बीमारियों से बचने के
लिए प्रदूषण रहित शुद्ध वातावरण

बहुत जरूरी है। ज्यादा से ज्यादा
पौधरोपण करना चाहिए। यहां कपूर
चंद बंसल, तेजप्रकाश सिंगला, कर्म
चंद गुप्ता, सतपाल सिंगला, फकीर
चंद, संजय गोयल, पवन सास्त्री,
विजय सिंगला, अशोक गुप्ता, शशि
भूषण मौजूद रहे।

पातड़ां में सांझ ग्लोबल फाउंडेशन ने लगाए पौधे



पातड़ां। सांझ ग्लोबल फाउंडेशन
और पावर हाउस यूथ क्लब
पटियाला ने वर्ल्ड यूथ फाउंडेशन
मलेशिया और नेशनल यूथ प्रोजेक्ट
के बैनर तले चलाई गई मुहिम के
तहत पौधे लगाए। सांझ ग्लोबल
फाउंडेशन के जनरल सचिव

गुरप्यार सिंह दियोगढ़ ने बताया
कि रवीन्द्र सिंह लक्की कनाडा की
अध्यक्षता में पौधे लगाए गए। गांव
में यूथ क्लब के सहयोग से पौधे
लगाए जाएंगे। यहां हरबंस सिंह
बंगे, इस हरश बंगे, जय दीप सिंह
दियोगढ़, हर्यदीप सिंह मौजूद रहे।

जन कल्याण फाउंडेशन ने लगाए पौधे



मंडीगांवदंगढ़। शहर की सामाजिक संस्था जन कल्याण फाउंडेशन के
पदाधिकारियों ने जीटी रोड निरंकारी भवन के सामने कदम, वर्मा डेक
अमरूद और चीकू के पौधे लगाकर विश्व पर्यावरण दिवस मनाया। संस्था
चेयरमैन राजेन्द्र गोयल, महारसचिव हरपाल सिंह मौजूद रहे।

वातावरण दिवस पर रोटरी भवन में पौधरोपण



नाभा। पटियाला गेट स्थित रोटरी भवन में प्रधान रजनीश मित्तल की
अगुवाई में क्लब मेंबरों ने पौधरोपण किया। प्रधान रजनीश मित्तल ने
कहा कि वातावरण दिवस को समर्पित क्लब के भवन में छायादार और
फलदार पौधे लगाए गए हैं। यहां नितिन जैन, डॉ आईडी गोयल मौजूद रहे।

| |
|---|
| 5 |
| 2 |
| 8 |
| 4 |
| 6 |

स्कूल के बाहर दिया धरना

पटियाला। स्कूल के बाहर ऑल
विद्यार्थियों व अभिभावकों ने धरना
देकर प्रदर्शन किया। अभिभावकों
का कहना था कि स्कूल प्रबंधक
को कहना था कि स्कूल प्रबंधक
उनको महंगे दाम पर किताबें लेने
के लिए मजबूर कर रहे हैं। स्कूलों
के किताबें बाहर से कम दाम पर
की जाती हैं। आज सुबह साढ़े
मिल रही हैं। आज सुबह साढ़े
10 बजे के करीब जुटे पेरेंट्स ने
विरोध जताया। थाना प्रभारी सुभाष
कुमार पुलिस पार्टी समेत मौके
पर पहुंचे। थाना प्रभारी ने स्कूल

प्रबंधकों से बात कर धरनाकारियों
को आश्वासन दिलाया कि स्कूल
प्रबंधकों द्वारा सभी लिस्ट ओपन
की गई है। धरने के दौरान डीईओ
सेकेंडरी दफ्तर पटियाला से आए
अधिकारियों ने भी कार्रवाई की।
स्कूल की ओर से कहा गया है कि
अभिभावकों पर स्कूल से किताबें
खरीदने का दबाव नहीं बनाया
गया। उन्होंने कहा कि किताबों
की लिस्ट स्कूल की वेबसाइट पर
ओपन कर दी है।

Public Notice

It is for the information of General Public that M/s Madhav Alloys Private Ltd. has been granted Environmental Clearance by State Level Environment Impact Assessment Authority (SEIAA), Punjab for the Expansion of mild steel billets manufacturing unit namely Madhav Alloys Private Ltd. with production capacity of 5,25,000 TPA located at Village Akalgarh and Bhagwanpura, Tehsil Amloh and Nabha, District Patiala and Fatehgarh Sahib, Punjab vide Letter No. DECC/SEIAA/2020/1656 dated 20.05.2020 through our Environmental Consultant, "M/s Eco Laboratories & Consultants Pvt. Ltd., Mohali". The copy of the Environmental Clearance along with the conditions to be complied is available with Environmental Clearance portal and with the Project proponent. The interested person can contact either of the two.
M/s. Madhav Alloys Private Ltd.
Village Akalgarh and Bhagwanpura Tehsil Nabha and Amloh
District Patiala and Fatehgarh Sahib Punjab
M/s. Eco Laboratories & Consultants Pvt. Ltd. E-207,
Industrial Area, Phase VIII-B, Sector-74, Mohali, Punjab



Granted EC Letter
20.05.2020



Authorization for SMS & P&T
From 20.07.19



Authorization of WRD
From 09.10.2017



CGWA NOC & Application
From 24.10.2011



CTO Air WRD
From 24.07.2018



CTO Water WRD
From 24.07.2018



Environment Clearance
From 07.07.2011



SCA-CUM-SAC
From 09.10.2017



CTE Third Furnace & CGR



CTO Air Third Furnace & CGR



CTO Water Third Furnace & CGR



Environment Audit 2018-19



<https://www.madhavkrggroup.com/images/legal/clearance/Authorization-for-SMS-PT.pdf>

Activate Windows

ENQUIRY