



BUILDING A SUSTAINABLE
TOMORROW

Nov.29, 2024

To

The Additional 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 30.09.2024 for the Steel Manufacturing Unit namely "Madhav KRG Ltd." (earlier known as Madhav Alloys Pvt. Ltd.) located at Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab.

Dear 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 30.09.2024 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)

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 and through e-mail seiaapb2017@gmail.com)
2. **Environmental Engineer**, Punjab Pollution Control Board, Regional Office, RIMT Management College, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (mail id: eerofgs@gmail.com)

Madhav KRG Limited

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

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

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

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



Half Yearly Compliance Report**2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name	MADHAV KRG LIMITED (FORMERLY KNOWN AS MADHAV ALLOYS PVT LTD)		
Name of Entity / Corporate Office	MADHAV KRG LIMITED		
Village(s)	N/A		
District	PATIALA		
Proposal No.	SIA/PB/IND/37520/2010	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	PUNJAB	Entity's PAN	*****2481R
MoEF File No.	J-11011/406/2010-IA-II(I)	Entity name as per PAN	MADHAV KRG HRC PRIVATE LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office MADHAV KRG LIMITED

	Project Area as per EC Granted	Actual Project Area in Possession
Private	38.03	38.03
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	38.03	38.03

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Billets/Steel Ingots/TMT Bars/Wire Rods/MS Rounds/ERW And MS Black Pipe Galv	Tons per Annum (TPA)	31/03/2025	1050000	560441	1020000

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	"The project proponent shall provide STP for treatment of wastewater and 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 and CC for such units."
PPs Submission: Complied Treated water from ETP and STP is being reused as process water and RO reject is being reused onto land for horticulture purposes.		Date: 15/11/2024
2	MISCELLANEOUS	"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."
PPs Submission: Being Complied We are shifting primary cooling tower water in secondary water tank and secondary Cooling tower water is using for third cooling tower water tank for reuse purpose.		Date: 15/11/2024
3	MISCELLANEOUS	"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 and CC."
PPs Submission: Being Complied Entity is using Dog house which is latest technology and covering all kinds of emissions as prescribed by PPCB and CPCB/MoEF and CC.		Date: 15/11/2024
4	MISCELLANEOUS	"The project proponent shall use natural gas (if available) as substitute fuel whenever possible in the existing industry/ for expansion project."
PPs Submission: Agreed to Comply We are already in process and project will be completed soon. copy of the agreement with supplier is enclosed herewith for ready reference.		Date: 23/11/2024
5	MISCELLANEOUS	"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."
PPs Submission: Complied Bore well has already been installed falls in Nabha Block.		Date: 15/11/2024
6	MISCELLANEOUS	"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."
PPs Submission: Complied The entire movement area and approach road is metaled to reduce the dust pollution.		Date: 15/11/2024

7	MISCELLANEOUS	"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."
PPs Submission: Being Complied "Regular sprinkling is being practiced at loading/un-loading" areas to prevent dust emissions.		Date: 15/11/2024
8	MISCELLANEOUS	"The project proponent shall install the hollow blocks and 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."
PPs Submission: Being Complied Entity is disposing off APCD dust to M/s Madhav KRG Environmental Solutions Private Limited. which recover Iron from slag and then handover residue to construction/ cement companies.		Date: 15/11/2024
9	MISCELLANEOUS	"The project proponent will increase the existing power load of 30 MW further by 5 MW for proposed expansion."
PPs Submission: Complied Load has been increased upto 35 MW		Date: 15/11/2024
10	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply Agreed		Date: 15/11/2024
11	MISCELLANEOUS	"The project proponent shall reserve lad 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."
PPs Submission: Complied 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.		Date: 15/11/2024
12	MISCELLANEOUS	"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 and disposal of discarded fire bricks."
PPs Submission: Being Complied In the crucibles to reduce the periodic maintenance.LC80 magnesite ,LC70 are used in crucibles .		Date: 15/11/2024
13	MISCELLANEOUS	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.

PPs Submission: Complied "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."		Date: 15/11/2024
14	MISCELLANEOUS	"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."
PPs Submission: Being Complied Entity is disposing off a) slag to its subsidiary M/s Madhav KRG Environmental Solutions Private Limited which after recovery of iron from slag handover remaining's to cement/ construction industry/ road laying etc. b) APCD dust is being handover to M/s Madhav KRG Environmental Solutions Private Limited for disposal for recovery of precious metals like zinc, lead and iron etc.		Date: 15/11/2024
15	MISCELLANEOUS	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.
PPs Submission: Being Complied "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 and Development Authority (PWRDA)."		Date: 15/11/2024
16	MISCELLANEOUS	"The project proponent shall install 02 no. low cost instruments within the premises and monitor Continuous/ Real time data."
PPs Submission: Complied Two numbers SPM monitoring devices have been installed.		Date: 15/11/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	WASTE MANAGEMENT	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused melting Furnaces.
PPs Submission: Being Complied Oily scum and metallic sludge is being given to vendors for further use in Cement Industries and furnace melting.		Date: 16/11/2024
2	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
PPs Submission: Being Complied Scrap is being kept in the covered sheds only.		Date: 16/11/2024
3	WASTE MANAGEMENT	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous and Other waste (Management and Transboundary Movement) Rules, 2016.
PPs Submission: Being Complied The waste oil, grease and other hazardous waste are being disposed of as per the Hazardous and		Date:

Other waste (Management and Transboundary Movement) Rules, 2016.		19/11/2024
4	PUBLIC HEARING	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
PPs Submission: Being Complied Emergency preparedness plan is being implemented based on the Hazard identified and Risk Assessment (HIRA) and Disaster Management Plan.		Date: 16/11/2024
5	PUBLIC HEARING	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
PPs Submission: Complied Regular health check-up of the workers is being done and record is maintained.		Date: 16/11/2024
6	Statutory compliance	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 and CC for such type of units.
PPs Submission: Being Complied "Company is being complying all the siting criteria, standard operating practices, code of practice and guidelines as prescribed by the CPCB/PPCB/MoEF and CC for such type of units."		Date: 15/11/2024
7	Statutory compliance	The project proponent shall comply with the conditions imposed by District Town Planner, Patiala vid 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.
PPs Submission: Being Complied The conditions imposed by the District Town Planner is being complied.		Date: 15/11/2024
8	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied Continuous emission monitoring system has been installed to monitor stack emission with respect to standards. Further, stack monitoring has been done by NABL accredited laboratory; copy of the test reports is enclosed. connected to SPCB and CPCB online servers and calibration of stack system is being done on regular basis.		Date: 19/11/2024
9	AIR QUALITY MONITORING AND PRESERVATION	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.

<p>PPs Submission: Being Complied "Work zone monitoring has been done on quarterly basis for fugitive emissions by NABL accredited laboratory. Test report of the same is enclosed annexure 8.</p>		<p>Date: 19/11/2024</p>
10	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>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 PM2.5 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 degree each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).</p>
<p>PPs Submission: Being Complied "Regular ambient air monitoring has been done on quarterly basis by NABL accredited laboratory. Recent Test reports are attached along. Further, recent monitoring has been done by NABL accredited laboratory. Recent Test reports are attached as annexure 9.</p>		<p>Date: 19/11/2024</p>
11	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.</p>
<p>PPs Submission: Complied "Adequate number of vacuum cleaners have been provided to clean road, shop floors, roofs etc. provided within the project premises on regular basis."</p>		<p>Date: 16/11/2024</p>
12	<p>Statutory compliance</p>	<p>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.</p>
<p>PPs Submission: Complied NOC has been obtained regarding diversion of forest land; copy of the same is enclosed as annexure 1</p>		<p>Date: 19/11/2024</p>
13	<p>Statutory compliance</p>	<p>The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.</p>
<p>PPs Submission: Complied "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 2.</p>		<p>Date: 19/11/2024</p>
14	<p>Statutory compliance</p>	<p>The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.</p>
<p>PPs Submission: Complied Consent to Establish/ Operate under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 from Punjab pollution Control Board have been obtained.</p>		<p>Date: 19/11/2024</p>
15	<p>Statutory compliance</p>	<p>The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.</p>
<p>PPs Submission: Complied "Authorization of Hazardous waste has been obtained from PPCB; copy of the same is enclosed as</p>		<p>Date:</p>

annexure 6		19/11/2024
16	AIR QUALITY MONITORING AND PRESERVATION	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 and CC, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
PPs Submission: Being Complied Agreed		Date: 22/11/2024
17	Statutory compliance	The project proponent shall prepare a Site- Specific Conservation Plan and 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).
PPs Submission: Complied "Site-Specific Conservation Plan and 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 3.		Date: 19/11/2024
18	AIR QUALITY MONITORING AND PRESERVATION	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
PPs Submission: Complied "Fugitive emissions are nominal 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."		Date: 15/11/2024
19	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
PPs Submission: Being Complied For Leakage detection system differential meter are installed and mechanized bag cleaning facilities for has been provided for maintenance of bags."		Date: 15/11/2024
20	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied APCD dust generated from the air pollution control device is being used for extraction to recover fine metals dust .		Date: 16/11/2024
21	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall use leak proof trucks/ dumpers carrying coal and other raw materials and cover them with tarpaulin.
PPs Submission: Being Complied Covered trucks are being used to carry the raw materials.		Date:

			16/11/2024
22	WATER QUALITY MONITORING AND PRESERVATION	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.	
PPs Submission: Being Complied "Monitoring of ground water has been done on quarterly basis by NABL accredited laboratory. Test reports of ground water are attached along .Further, recent monitoring has been done by NABL accredited laboratory. Recent Test reports are attached as annexure 12.			Date: 19/11/2024
23	WATER QUALITY MONITORING AND PRESERVATION	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	
PPs Submission: Being Complied "STP of capacity 150 KLD has been installed within the project premises. Test reports of STP inlet and outlet are attached as annexure 14.			Date: 19/11/2024
24	WATER QUALITY MONITORING AND PRESERVATION	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.	
PPs Submission: Complied Proper drainage system has been provided within the project premises to collect the run-off.			Date: 16/11/2024
25	Noise Monitoring & Prevention	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.	
PPs Submission: Being Complied "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 . Further, recent monitoring has been done by NABL accredited laboratory. Recent Test reports are attached along as annexure 17.			Date: 19/11/2024
26	ENERGY PRESERVATION MEASURES	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at flue gases of reheating furnaces.	
PPs Submission: Not Complied Not Applicable			Date: 16/11/2024
27	WATER QUALITY MONITORING AND PRESERVATION	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 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. (case to case basis small plants: Manual; Large plants: Continuous).	
PPs Submission: Complied Continuous effluent monitoring system within the project premises has been installed. Further,			Date: 19/11/2024

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 as annexure 11.		
28	WATER QUALITY MONITORING AND PRESERVATION	Adhere to 'Zero Liquid Discharge'.
PPs Submission: Being Complied 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."		Date: 16/11/2024
29	WATER QUALITY MONITORING AND PRESERVATION	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 de-silting 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-NEERIs) 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.
PPs Submission: Being Complied "Ponds have been adopted in village Ghundar, Chahal, Jasso Majra, Nurpura and Bhagwanpura, for rain water harvesting(approx.1100000 m3/annum), based on Sant Seechewal Model. Photographs of the ponds showing the implementation of Sant Seechewal Model is enclosed . In addition to this, rooftop harvesting pits have been installed in different government schools in village Akalgarh, Alipur, Chahal and Bhagwanpur.		Date: 19/11/2024
30	ENERGY PRESERVATION MEASURES	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.
PPs Submission: Complied "Solar energy is used for common area lighting. Solar power plant of capacity 1.8 MW has been installed in order to conserve energy. Photographs showing solar panels are enclosed as annexure 18.		Date: 19/11/2024
31	AIR QUALITY MONITORING AND PRESERVATION	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024
32	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied "ETP of capacity 150 KLD has been installed within the project premises. Photographs showing ETP installed are enclosed . Further, test reports of ETP inlet and outlet are attached along as annexure 15		Date: 19/11/2024

33	WATER QUALITY MONITORING AND PRESERVATION	"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."
PPs Submission: Complied "Water consumption has been kept minimum. In addition to this, treated water from ETP and STP is being reused as process water and RO reject is being reused onto land for horticulture purposes."		Date: 16/11/2024
34	Noise Monitoring & Prevention	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.
PPs Submission: Complied Monitoring of noise has been done on quarterly basis by NABL accredited laboratory and results are being submitted with six monthly compliance reports.		Date: 28/11/2024
35	ENERGY PRESERVATION MEASURES	Practice hot charging of slabs and billets/ blooms as far as possible.
PPs Submission: Being Complied Practice hot charging of Billets.		Date: 16/11/2024
36	WASTE MANAGEMENT	Used refractories shall be recycled as far as possible.
PPs Submission: Being Complied AGREED.		Date: 23/11/2024
37	AIR QUALITY MONITORING AND PRESERVATION	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
PPs Submission: Being Complied "Agreed. All melting furnaces are provided with primary and secondary fume extraction system."		Date: 16/11/2024
38	WATER QUALITY MONITORING AND PRESERVATION	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 and CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
PPs Submission: Being Complied Monthly summary reports are being submitted.		Date: 19/11/2024
39	ENERGY PRESERVATION MEASURES	Ensure installation of regenerative type burners on all reheating furnaces.
PPs Submission: Not Complied Not Applicable		Date: 16/11/2024
40	ENERGY PRESERVATION MEASURES	Provide the project proponent for LED lights in their offices and residential areas
PPs Submission: Complied "LED lights have been provided in offices and sheds within project premises."		Date: 16/11/2024
41	WASTE MANAGEMENT	100 percent 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.
PPs Submission: Being Complied Slag is being given to own subsidiary unit M/s Madhav Environmental Solution Pvt. Ltd.		Date: 16/11/2024
42	GREENBELT	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.
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024
43	GREENBELT	Green belt shall be developed in an area equal to 33 percent 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.
PPs Submission: Being Complied Adequate green has been developed and there is no unwanted/ non-productive structures in the existing project near the boundary wall.		Date: 19/11/2024
44	PUBLIC HEARING	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.
PPs Submission: Complied Not applicable, as construction work already completed.		Date: 16/11/2024
45	PUBLIC HEARING	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.
PPs Submission: Being Complied "Occupational Health Centre do regular health check-up of workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.		Date: 16/11/2024
46	PUBLIC HEARING	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.
PPs Submission: Complied The commitments made during public hearing has been implemented.		Date: 16/11/2024
47	Corporate Environmental Responsibility	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024

48	MISCELLANEOUS	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 and CC)/ SEIAA, Punjab.
PPs Submission: Agreed to Comply "Agreed. If any changes or further expansion will be done, then fresh application will be filed to SEIAA, Punjab."		Date: 16/11/2024
49	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024
50	MISCELLANEOUS	The Ministry/ SEIAA, Punjab may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024
51	Corporate Environmental Responsibility	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 and CC as a part of six-monthly report.
PPs Submission: Complied Environment and Health Policy of company stating the environment protection measures are attached as Annexure 22.		Date: 19/11/2024
52	Corporate Environmental Responsibility	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: "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 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 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 farmers "Providing awareness programs on use and make of DESI" 1,00,000 1 year 1,00,000 "MANURE from cow dung" "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. Health "Organizing medical camps and blood donation in

		surroundings villages of Akalgarh and 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 and such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.
<p>PPs Submission: Complied . Facility has spent a sum of Rs. 5,47,532/- on CER activities from 01.04.2024 to 30.09.2024. Pls. see attached annexure . Progress of implementation of action plan is being reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.</p>		<p>Date: 30/11/2024</p>
53	MISCELLANEOUS	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.
<p>PPs Submission: Complied "Environmental Clearance letter has been uploaded along with the previously submitted six monthly compliance reports on companys website. Screenshot showing the same is attached along as Annexure 25.</p>		<p>Date: 19/11/2024</p>
54	Corporate Environmental Responsibility	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>PPs Submission: Complied "Environmental Management Cell has been constituted. Details of EMC is enclosed as Annexure 23.</p>		<p>Date: 19/11/2024</p>
55	Corporate Environmental Responsibility	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 Compliance Report.
<p>PPs Submission: Being Complied Agreed and being complied. Facility has spent a sum of Rs. 68,06,792/- on Environmental Protection Measures from 01.04.2024 to 31.03.2024. Pls. see attached annexure . Year wise progress of implementation of action plan is being reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.</p>		<p>Date: 30/11/2024</p>
56	Corporate Environmental Responsibility	Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional along with Six Monthly Compliance Report.
<p>PPs Submission: Being Complied Agreed</p>		<p>Date: 16/11/2024</p>
57	MISCELLANEOUS	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.
PPs Submission: Complied Copy of Environment Clearance letter was submitted to DC Office, Zila Parishad, MC and other concerned Offices.		Date: 16/11/2024
58	MISCELLANEOUS	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.
PPs Submission: Complied Environment statement of every financial year in Form-V has been submitted to RO, PPCB.		Date: 16/11/2024
59	MISCELLANEOUS	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.
PPs Submission: Complied 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 26.		Date: 19/11/2024
60	MISCELLANEOUS	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
PPs Submission: Being Complied "Stipulations made by the Punjab Pollution Control Board and State Government are being strictly followed."		Date: 16/11/2024
61	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024
62	MISCELLANEOUS	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.
PPs Submission: Complied "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 19.05.2030 as per the EIA Notification and its amendments.		Date: 16/11/2024
63	MISCELLANEOUS	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (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.
PPs Submission: Complied "Environmental Clearance letter has been uploaded along with the previously submitted six monthly compliance reports on company's website.		Date: 16/11/2024

64	MISCELLANEOUS	"The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and 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 Honble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter."
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024
65	Corporate Environmental Responsibility	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024
66	MISCELLANEOUS	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 proponents website permanently.
PPs Submission: Complied "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 companys website. Screenshot showing the same is attached along as Annexure 24.		Date: 19/11/2024
67	MISCELLANEOUS	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.
PPs Submission: Agreed to Comply Agreed		Date: 16/11/2024
68	MISCELLANEOUS	"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."
PPs Submission: Agreed to Comply "Agreed. Full cooperation will be extended to the officer of the" Regional Office and PPCB by furnishing the requisite data/ information/ monitoring reports.		Date: 16/11/2024
69	MISCELLANEOUS	"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."
PPs Submission: Complied Not applicable as 30 days time period was over and no appeal was made.		Date: 16/11/2024

70	MISCELLANEOUS	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.
PPs Submission: Being Complied "Six monthly compliance report is being submitted to the Regional""Office, MoEF and CC and RO, PPCB. Screenshot showing submission of compliance report via e-mail for period ending 31.03.2024 is enclosed as Annexure 27		Date: 26/11/2024
71	Statutory compliance	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.
PPs Submission: Complied Ad interim permission has been obtained from PWRDA and final approval has pending as attached with annexure		Date: 30/11/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		
<p style="text-align: center;">Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p>		

 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
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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 Clearance 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 1,27,000/- vide NEFT SBIN319250327660 dated 07.09.2019 Rs. ii) Rs.54,000/- 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/ M5 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)					
		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
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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
	Awareness to local Farmers			
2.	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, NOx (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

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.

-Sd/-
Member Secretary



सत्यमेव जयते

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

Annexure 1



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 संदर्भांकित 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 12.0520.20 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,



13/08/2020

(सी० डी० सिंह)

उप-वन महानिदेशक (केन्द्रीय)

प्रतिलिपि:-

1. अपर वन महानिदेशक (वन), पर्यावरण परिवर्तन जलवायु एवं वन ,मंत्रालय, इन्दिरा पर्यावरण भवन, जोर बाग़, अलीगंज, नई दिल्ली। (www.adgfc-mef@nic.in)
2. प्रधान मुख्य वन संरक्षक, पंजाब, फोरेस्ट कॉम्प्लैक्स, 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'

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 : 24960635

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

Subject: **Renewal of consent no. CTOA/Renewal/FGS/2022/19120035 dated 17/10/2022 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/2024/24960635
Date of issue :	02/04/2024
Date of expiry :	31/03/2025
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Renewal/FGS/2022/19120035 From:17/10/2022 To:31/03/2024

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	27376.41 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 to operate 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/Renewal/FGS/2022/19120035 dated 17/10/2022 valid upto 31/03/2024 under the Air (Prevention and Control of Pollution) Act, 1981 is hereby renewed upto 31/03/2025 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall operate & maintain its air pollution control device (APCD), regularly and efficiently, so as to achieve the stack emission standards, consistently as prescribed by the Board/ MoEF&CC as amended from time to time.
2. The industry shall ensure that no black smoke be emitted from the stack of the industry at any time.
3. The industry shall get the stack emissions monitored from the Board's lab within one month.
4. The industry shall make adequate arrangements to control the secondary emissions.
5. The industry will obtain necessary amendment in the Environmental Compensation conditions w.r.t. addition of the area to achieve minimum 33% area under Green Belt from SEIAA, Punjab within 03 months.
6. The industry shall comply with the conditions of Environmental Clearance granted to it in true letter & spirit.
7. The industry shall plant trees wherever space is available inside and outside the unit.
8. The industry shall not undertake expansion without obtaining approval from the Board.
9. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities.
10. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
11. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
12. The industry shall ensure that there is no public nuisance in the area, due to activities of the industry.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOA/Renewal/FGS/2022/19120035 dated 17/10/2022 to the industry under the Air (Prevention & Control of Pollution) Act, 1981.



02/04/2024

**(Amit Kumar)
Environmental Engineer**

For & on behalf

15

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. He is requested to ensure the compliance of the consent conditions and submit the report accordingly.



02/04/2024

(Amit Kumar)
Environmental Engineer

For & on behalf
of

(Punjab Pollution Control Board)





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 : 24960741

To,
Sudhir Goyal
Madhav Krg Limited,village Akalgarh,amloh Bhadson Road,near Toll Plaza
Fatehgarhsahib,Fatehgarhsahib-147203
Subject: Renewal of consent no. CTOW/Renewal/FGS/2022/19122209 dated 17/10/2022 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/2024/24960741
Date of issue :	02/04/2024
Date of expiry :	31/03/2025
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Renewal/FGS/2022/19122209 From:17/10/2022 To:31/03/2024

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	27376.41 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 to operate 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/Renewal/FGS/2022/19122209 dated 17/10/2022 valid upto 31/03/2024 under the Water (Prevention & Control of Pollution) Act, 1974 is hereby renewed upto 31/03/2025 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall operate & maintain its ETP & STP regularly and efficiently, so as to achieve the prescribed effluent standards on regular basis and efficiently and maintain the record of operation of the same.
2. The industry shall comply with the guidelines issued by the Punjab Water Regulation and Development Authority (PWRDA) for the abstraction of ground water.
3. The industry shall install water meter over the supply of fresh water within 7 days and shall submit the record of daily withdrawal/ consumption at Regional Office, Fatehgarh Sahib on monthly basis.
4. The industry shall maintain adequate plantation area to utilize its treated effluent in scientific manner.
5. The industry shall not dispose off its treated/ untreated wastewater into any drain/ choe/ nallah or in any other illegal mode of disposal.
6. The industry will obtain necessary amendment in the Environmental Compensation conditions w.r.t. addition of the area to achieve minimum 33% area under Green Belt from SEIAA, Punjab within 03 months.
7. The industry shall get its spent HCL lifted to the authorized recycler/co-processor having valid authorization under Hazardous and Other Waste (Management and Trans-boundary) Rules, 2016.
8. The industry shall comply with the conditions of Environmental Clearance granted to it in true letter & spirit.
9. The industry shall submit their proposal to install the ETP based on ZLD technology for treatment of their electroplating/ spent hydrochloric acid (HCl) within 01 month at Regional Office, Fatehgarh Sahib.
10. The industry shall plant trees wherever space is available inside and outside the unit.
11. The industry shall not undertake expansion without obtaining approval from the Board.
12. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities.
13. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
14. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
15. The industry shall ensure that there is no public nuisance in the area, due to activities of the industry.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOW/Renewal/FGS/2022/19122209 dated 17/10/2022 to the industry under the Water (Prevention & Control of Pollution) Act, 1974.



02/04/2024

**(Amit Kumar)
Environmental Engineer**

For & on behalf

of

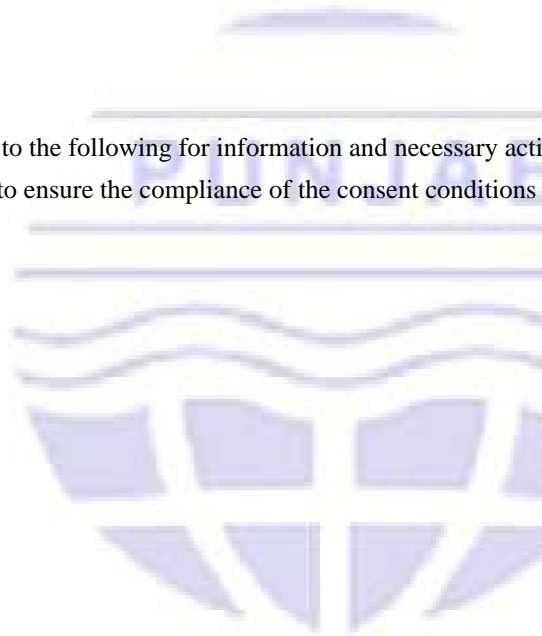
(Punjab Pollution Control Board)

Endst. No.:

Dated:

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

Fatehgarh Sahib. He is requested to ensure the compliance of the consent conditions and submit the report accordingly.



02/04/2024

**(Amit Kumar)
Environmental Engineer**

For & on behalf

of

(Punjab Pollution Control Board)



PUNJAB WATER REGULATION AND DEVELOPMENT AUTHORITY
 SCO 149-152, SECTOR 17, CHANDIGARH - 160017
ad interim PERMISSION FOR EXTRACTION OF GROUNDWATER

Name of Unit	Madhav Krg Ltd.		
Activity of Unit:	Industrial		
Address of Unit:	Madhav Krg Ltd., Village Akalgarh, Amloh Bhadson Road, Tehsil Nabha, District Patiala	PIN Code: 147203	
Assessment Unit (Block):	Nabha	Category: Yellow	
District:	Patiala		
Correspondence Address:	Madhav Krg Ltd., Village Akalgarh, Amloh Bhadson Road, Tehsil Nabha, District Patiala	PIN Code: 147203	
Unit ID	1110100583		
Permission Number	PWRDA/12/2022/L2/499	Dated: 19.12.2022	
Project Status:	Existing Unit		
Permission Type:	<i>ad-interim</i> Permission		
Validity Period:	For a period of three months from the date of publication of the final guidelines by the Authority, or for three years from the date of grant of this <i>ad interim</i> permission, whichever is earlier.		
Ground Water Extraction Permitted: 330 m ³ /day			
Fresh Water		Saline Water	
m ³ /day	m ³ /month*	m ³ /day	m ³ /month*
330	9,900	-	-

*Note:- Month is taken as 30 days for calculation of charges.

Fees and Charges Paid:

A. Application Fees for Groundwater Extraction:

Volume of Groundwater Extraction Applied For per day (in m ³ /day)	Fees Deposited (in Rs.)
330	20,000/-

B. Advance Deposit equivalent to two months of charges for the permitted quantity of groundwater extraction:

Category of Area	Extraction Permitted: (m ³ /day)	330	Amount Deposited (Rs.)
Yellow	Charges for two months		
	<10 m ³ /day	10-100 m ³ /day	>100 m ³ /day
	3,600	75,600	2,48,400
			3,27,600/-

C. Tube-well Registration Fee paid:

No. of existing tube-wells	No. of Proposed tube-wells	No. of total tube-wells	Registration Fee applicable per tube-well	Total Registration Fee Paid (Rs.)
02	Nil	02	10,000/-	20,000/-

D. Total Amount Paid (Rs.):

Application Fee	Advance Deposit	Tube-well Registration Fee	Total(Rs.)
20,000/-	3,27,600/-	20,000/-	3,67,600/-

NOTE: This permission is granted in terms of the Draft Punjab Guidelines for Groundwater Extraction and Conservation published on November 12, 2020 under section 15 of the Punjab Water Resources (Regulation and Management) Act 2020 and is subject to the conditions given overleaf.



Dated: 19th Dec, 2022
 Place: CHANDIGARH

Signature
 Maninder Singh, A.O.L-2
 Executive Engineer
 Punjab Water Regulation and Development Authority
 Chandigarh.

Ground Water Extraction Fresh Form

Applicant Details

Name	Values	Name	Values
Applicant's First Name	JAGDEEP	Applicant's Middle Name	N/A
Applicant's Last Name	KUMAR	Relation	S/O
Father/Husband Name	KRISHAN KUMAR	Designation	DY. MANAGER EHS
Email Id	ehs@madhavkrkggroup.com	Mobile Number	8558820161
ID Proof of Application	View Document	-	-

Residence Address

Name	Values	Name	Values
Residence Address Of Applicant	VILL. AKALGARH, AMLOH-BHADSON ROAD,KHANNA	Residence Address Pin Code	147203
Residence Landmark	TOLL PLAZA	Residence State	PUNJAB
Residence District	PATIALA	Residence Tehsil/Sub District	Nabha

Office Address

Name	Values	Name	Values
Office Address Of Applicant	VILL. AKALGARH, AMLOH-BHADSON ROAD,KHANNA	Office Address Pin Code	147203
Office Landmark	TOLL PLAZA	Office State	PUNJAB
Office District	PATIALA	Office Tehsil/Sub District	Nabha

Postal Address

Name	Values	Name	Values
Postal Address Of Applicant	VILL. AKALGARH, AMLOH-BHADSON ROAD,KHANNA	Postal Address Pin Code	147203
Postal Address Landmark	TOLL PLAZA	Postal State	PUNJAB

Postal District	PATIALA	Postal Tehsil	Nabha
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Unit Details

Name	Values	Name	Values
Unit Identification Number	20230100495	Name of the Unit	Madhav Krg Ltd.
Type of the Unit	Industrial	Other Type of unit	Steel Manufacturing Process
Type of the ownership unit	Company	Other Type Of Ownership	N/A
Main Process/Activity/Business of the Unit	Steel Manufacturing Process	Jamabandi/Land Documents (E.g. Electricity Bill/CLU/Registry/Fard)	View Document
Pan Number of Unit(If Applicable)	AADCM6458N	Pan Card Document	View Document
GST Number of Unit	03AADCM6458N1Z4	GST Document	View Document
Whether the Unit Falls Within the Zone of Influence of a Wetland,as Notified by the Central Government,State Governments and by the Wetland Authority(Y/N)	No	Consent/Approval of the Wetland Authority	N/A
Is Unit already extracting ground water?	Yes	Date Since Extracting	08-08-2022
Water Type	Fresh	--	--

Unit Address

Name	Values	Name	Values
District where unit is located	PATIALA	Tehsil/Sub District	Nabha
Block Name	NABHA	Area where Unit is located	Rural
Village Name(Hadbast Number)	Akalgarh (125)	Street Address	Village Akalgarh, Amloh Bhadson Road, Tehsil Nabha, District Patiala
Landmark	TOLL PLAZA	Pin Code	147203

Correspondence Address

Name	Values	Name	Values
District where unit is located	PATIALA	Tehsil/Sub District	Nabha
Block Name	NABHA	Area where Unit is located	Rural
Village Name(Hadbast Number)	Akalgarh (125)	Street Address	Village Akalgarh, Amloh Bhadson Road, Tehsil Nabha, District Patiala
Landmark	TOLL PLAZA	Pin Code	147203

Head Office Address

Name	Values	Name	Values
State	DELHI	District	NORTH WEST
Street Address	1003, 10TH FLOOR, AGGARWAL MILLENIUM,TOWER-1 NETAJI SUBHASH PLACE, PITAMPURA, NOTH WEST ,DELHI	Landmark	N/A
Pin Code	110058	--	--

User/Owner Details

Name	Values	Name	Values
Name of the User/Owner	JAGDEEP KUMAR	Designation of the User/Owner	DY MANAGER
User/Owner Mobile No.	8558820161	User/Owner Email Id	ehs@madhavkrsgroup.com
STD Code	01765	User/Owner Landline No.	500075
Are there multiple users/owner/partners	No	Is the User/Owner at first field,also the Authorised Signatory?	Yes
View Resolution/Document Proof of authorization of Authorised Signatory	View Document	Compliance report of previous permission conditions in annotated form	View Document
--	--	Partnership deed/Registration Certificate of Company or Firm etc	View Document

Electricity Details

#	Account No	Sub-division
1	3008227525	BHADSON SUB DIVISION

Registration Details

Name	Values	Name	Values
Whether ad interim permission granted	Yes	Ad Interim UID	1110100583
Ad Interim Permission Number	PWRDA/12/2022/L2/499	Has unit obtained Consent to operate under Water Act from PPCB	Yes
Business First Portal Id	1805492489	Is Unit Registered with PPCB	Yes
PPCB Registration Number	R12PTA73369	Consent Letter Dated	17-10-2022
Consent Letter Number	19122209	Consent Letter Document	View Document
Is Unit Registered with Department of Industries, Govt. of Punjab on Business First Portal	Yes	Previous permission issued by Authority	View Document

CGWA NOC

Name	Values
Whether NOC applied for	No

GW Req Detail

Details of Groundwater extraction applied for

Name	Values
Total water requirement (m ³ /month) (((b1+c1) - d1) + (b2+c2)))	18000

Availability from water resources other than ground water

Name	Values	Name	Values
Surface water (m ³ /month)	0	Municipal/Piped water(m ³ /month)	0

Treated waste water(m ³ /month)	3300	Other (Name of Source)	n/a
Other (m ³ /month)	n/a	-	-

Dewatering Requirement, if any(m³/month)

Name	Values
Fresh water (b1) *	0
Brackish/Saline Water (b2) *	n/a

Ground water requirement

Name	Values
Fresh Water (c1) *	14700
Brackish/Saline Water (c2) *	0

Total Water for which permission is sought

Name	Values
Fresh Water:c1	14700
Brackish/Saline Water:c2	0

Water for drinking and domestic usage

Name	Values
Does this requirement include water for drinking and domestic usage:	No

Existing Tubewells

Details Of Existing Functional Tube Wells

Name	Values
No. of existing Tube-Wells	3

Tubewell 1 Details

Name	Values	Name	Values
Date on which Energized	08-08-2022	Depth of Well (m)	94
Diameter of Well (cm)	20	Maximum Discharge Capacity (lpm)	450
HP of Pump	15	Depth at which pump lowered (mbgl)	43
Source of power	Electric	Whether meter installed	Yes
Whether meter installed is as per PWRDA specifications	No	Attached Strata Chart	View Document
Type of Meter Installed	Digital Flow Meter without Telemetry	Meter Make	FEDREL
Meter Model	FM15	--	--
Date of last calibration	13-07-2023	Last Calibration Certificate	View Document
Assembly design, Chemical analysis detailed report as per IS-10500:2012 not older than 6 months from NABL accredited lab	View Document	--	--
Water meter reading	View Document	Remarks	n/a
Water Meter Serial Number	2301454	--	--

Tubewell 2 Details

Name	Values	Name	Values
Date on which Energized	08-08-2022	Depth of Well (m)	94
Diameter of Well (cm)	20	Maximum Discharge Capacity (lpm)	450
HP of Pump	15	Depth at which pump lowered (mbgl)	43
Source of power	Electric	Whether meter installed	Yes
Whether meter installed is as per PWRDA specifications	No	Attached Strata Chart	View Document

Type of Meter Installed	Digital Flow Meter without Telemetry	Meter Make	FEDREL
Meter Model	FM15	--	--
Date of last calibration	13-06-2023	Last Calibration Certificate	View Document
Assembly design, Chemical analysis detailed report as per IS-10500:2012 not older than 6 months from NABL accredited lab	View Document	--	--
Water meter reading	View Document	Remarks	n/a
Water Meter Serial Number	2010957	--	--

Tubewell 3 Details

Name	Values	Name	Values
Date on which Energized	08-08-2022	Depth of Well (m)	44
Diameter of Well (cm)	15	Maximum Discharge Capacity (lpm)	250
HP of Pump	3	Depth at which pump lowered (mbgl)	35
Source of power	Electric	Whether meter installed	No
Remarks	n/a	Attached Strata Chart	View Document

Treated Water**Treated Water 1**

Name	Values	Name	Values
Waste water generated (m³/day)	110	Manner of discharge details	0
Treatment Arrangement	Yes	Treatment Details	ETP & STP
Treated waste water to be recycled back into process (m³/day)	66	Treated wastewater re-used for flushing, green belt, irrigation for agricultural, construction, etc. (m³/day)	44
Treated wastewater discharged (m³/day)	0	Details of Re-Used Treated Water	

GW Level Measurement

Name	Values	Name	Values
Total GW extraction Permission granted/requested	14700	Method of monitoring Groundwater Level	Digital Flow Water Meter with Telemetry
Is Telemetry device as per PWRDA Specifications Installed	No	--	--

GW Conservation

Name	Values	Name	Values
Is the unit already carrying out water conservation	Yes	Brief detail of scheme	CSR SCHEME
Scheme document	View Document	--	--

Layout Plans

Name	Values
Layout plan indicating location of extraction structures	Approved building plan
Layout plan document	View Document

Abandoned/Defunct Structures

Name	Values
No. of Abandoned/Defunct Structures	0

Unit Violation

Name	Values
Whether the Unit has been penalized by the PWRDA for violation of its Directions at any time	No

Fee Structure

Sr No.	Purpose/Type of Payment	Amount (in Rs.)
1	Dates	Direction Published: 01-02-2023 Date of Application: 22-11-2023 Date of Extraction: 08-08-

Sr No.	Purpose/Type of Payment	Amount (in Rs.)
		2022 Due Date: 30-11-2023
2	Assessment Area	NABHA (ORANGE)
3	Volume of Water	Fresh: 14700 Drinking & Domestic: 0 Total Volume : (14700 - 0) = 14700 m ³
4	Application Fees	₹ 2,500
5	Registration Of Extraction Structure	Existing: 3 Proposed: 0 1000x3 ₹ 3,000
6	Security Deposit	Total monthly charges for fresh water : I. Upto 300m ³ = 0 II. > 300-1500m ³ @ ₹ 8 x 1200m ³ = ₹9,600 III. > 1500-15000m ³ @ ₹ 12 x 13200m ³ = ₹1,58,400 Total Fresh Charges = ₹ 1,68,000 Total Security : 1,68,000 x 2 Month(s) ₹ 3,36,000
7	Groundwater Extraction Charges (Ref. Table 4.2)	GEC Fresh Volume : (14700 - 0) = 14700m ³ Charges Till Month = 1,68,000 x 9 Month(s) ₹ 15,12,000 Total Charges : - ₹ 15,12,000
8	Delay Charges	Not Due
9	GCC charges (Ref. Table 6.1)	Not Due
	Total	₹ 18,53,500

Sr No.	Purpose/Type of Payment	Amount (in Rs.)
	Adjustment of Application Fee (Ad-Interim Permission)	₹ 2500
	Delay Charges for Late Payment of GEC (Ad-Interim Permission)	₹ 0
	Due Groundwater Charges (GEC) (Ad-Interim Permission)	₹ 3,53,547
	Security Deposited (Ad-Interim Permission)	₹ 3,27,600
	Total Tubewells / Extraction Structure for which Ad-Interim Permission was applied/granted(Ad-Interim Permission)	2
	Fee Adjustment for Registered Extraction Structure while Ad-Interim Permission	₹ 2,000
	Total Payable Amount	$1853500 + (353547) -$ $327600 - 2500 - 2000 = ₹$ $1,874,947$ $\text{Net Payable} = ₹ 18,74,947$


PUNJAB POLLUTION CONTROL BOARD

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

Website:- www.ppcb.gov.in


LIFE

Lifestyle for Environment

Office Dispatch No : 206

Registered/Speed Post

Date: 12-04-24

Industry Registration ID : R12PTA73369

Application No : 24960849

To,

SUDHIR GOYAL
MADHAV KRG LIMITED, VILLAGE AKALGARH, AMLOH BHADSON ROAD, NEAR TOLL PLAZA
Fatehgarh Sahib, Fatehgarh Sahib-147203
Subject: Renewal of Authorization for operating a facility for Generation, Storage, Transportation, Disposal, of Hazardous Wastes as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 .
1. Particulars of Authorization granted to the Industry

Authorization No	HWM/renew/FGS/2024/24960849
Previous Authorization No	HWM/renew/FGS/2023/23431116
Date of issue :	12/04/2024
Date of expiry :	31/03/2025
Previous Authorization Date of Issue :	06/11/2023
Previous Authorization Date of Expiry :	31/03/2024
Authorization Type :	renew

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	27376.41 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

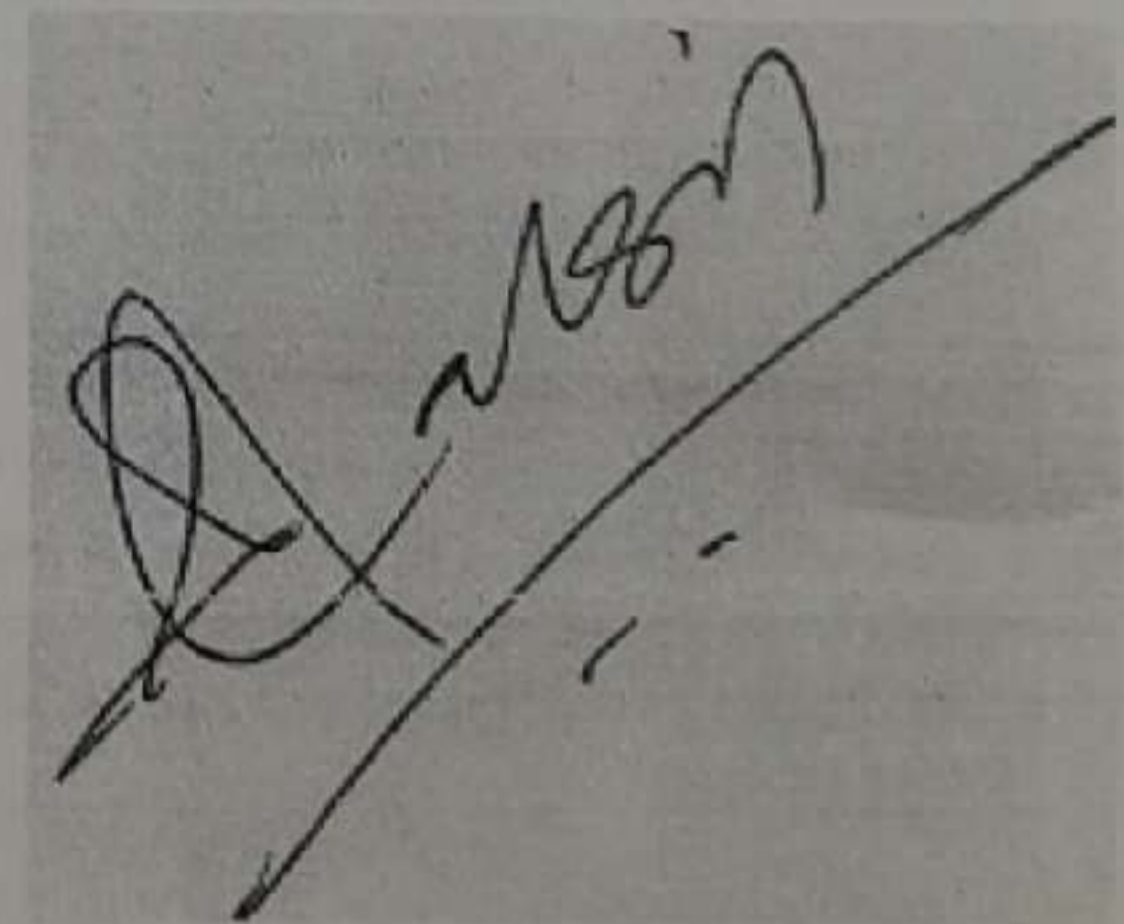
3. Terms and Conditions

This is with reference to the request made by the industry for renewal of authorization granted by the Board under the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016.

The renewal of authorization granted to the industry vide no. vide no. HWM/renew/FGS/2023/23431116 dated 06/11/2023 valid upto 31/03/2024 under the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 is hereby further renewed upto 31/03/2025 for generation, collection, storage & disposal of hazardous category Cat. No. 35.1 @ 1500 TPA, 33.1 @ 360 Number/Annum, 35.3 @ 20 TPA, 5.1 @ 0.1 KL/Annum and 5.2 @ 01 TPA with the same conditions as mentioned therein and following specific conditions:

1. The industry shall dispose off its Hazardous waste to the authorized recycler / re-processor having valid Registration Certificate-cum-Pass Book from Punjab Pollution Control Board and valid authorization of the Board under the said Rules and 'consents to operate' under the Water Act, 1974 and the Air Act, 1981.
2. 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.
3. 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.
4. 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.
5. 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.
6. The Authorized person shall report, about the accident which occurs at the hazardous waste storage/treatment site immediately to the Board.
7. An occupier who is generating hazardous waste shall store his waste category wise on site in environmentally sound manner till its treatment.
8. An occupier /generator shall not store hazardous wastes in open ground. It must be stored in an isolated site away from plant operational area.
9. 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.

All other contents shall remain unchanged. This letter shall remain appended with the authorization issued vide no. HWM/renew/FGS/2019/9907914 dated 20/07/2019 and its subsequent extension (s) issued from time to time under the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016.



13/04/2024

(Amit Kumar)
Environmental Engineer

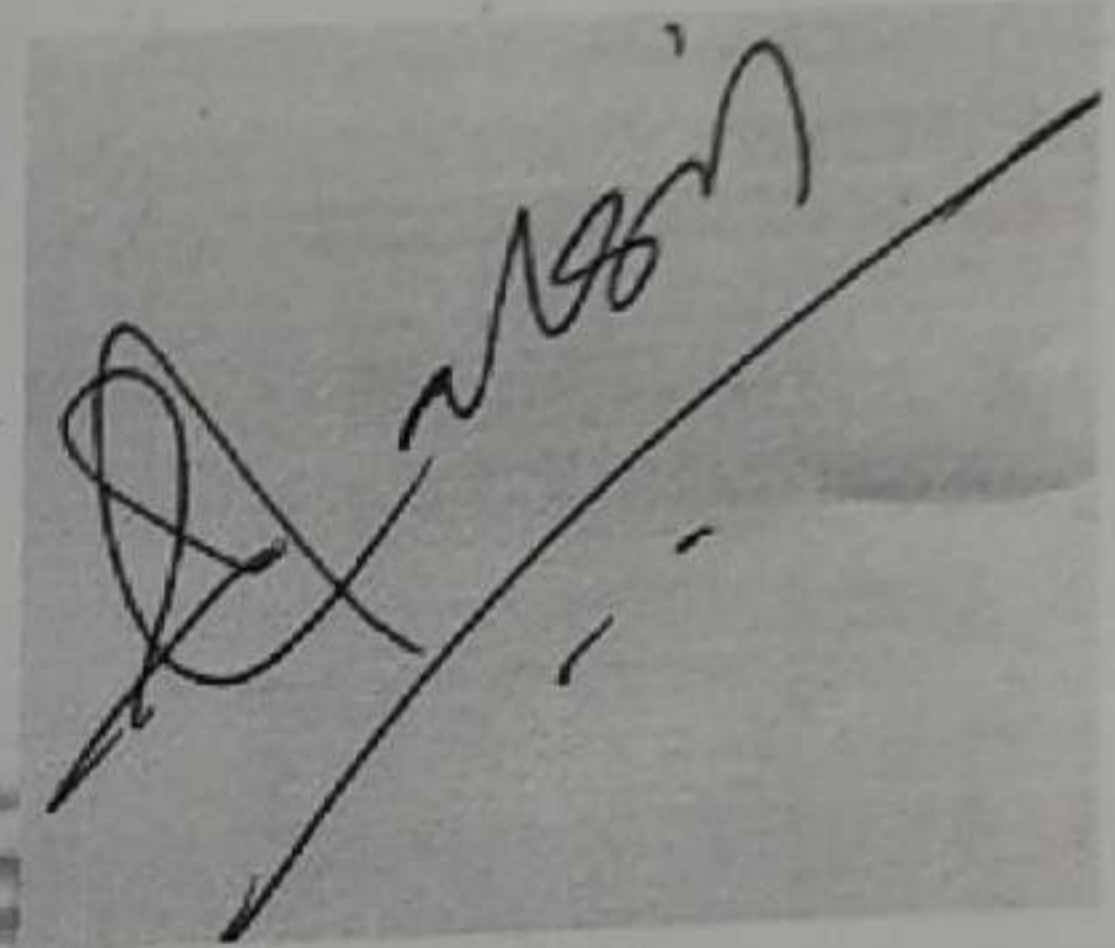
For & on behalf

22

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. He is requested to ensure the compliance of the consent conditions and submit the report accordingly.



PUNJAE

13/04/2024

(Amit Kumar)
Environmental Engineer

For & on behalf
of

(Punjab Pollution Control Board)



Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT 2409 262	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 262
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	22	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	42	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

** End of Report **

Note : 1. The test results are related to the sample/ tested as identified.

2. The sample will be discarded after retention time of 7 days unless otherwise specified.

3. Any Discrepancy found in the test report may be communicated within seven days.

4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.

5. The Court Jurisdiction will be Delhi.

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An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT 2409 263	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 263
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	82	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	14	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	27	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	38	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

**** End of Report ****


Authorized signatory

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TEST REPORT

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

Report No.	CEFT 2409 264	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 264
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	86	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	30	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	49	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

** End of Report **



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TEST REPORT

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

Report No.	CEFT 2409 265	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 265
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	87	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	34	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	50	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

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TEST REPORT

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

Report No.	CEFT 2409 267	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 267
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	1.62	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	58	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	2592	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	215	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	810	IS 3025 (part-58)
6.	Oil and Grease, mg/L	25	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	290.4	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	252	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	44	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	3898	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	176	IS 3025 (Part-32)
13.	Turbidity, NTU max	41	IS 3025 (Part-10)

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TEST REPORT

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

Report No.	CEFT 2409 268	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 268
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	6.83	5.5 - 9.0	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	28	100	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	1651	2100	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	24	30	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	130	250	IS 3025 (part-58)
6.	Oil and Grease, mg/L	03	10	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	192	...	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	206	...	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.17	03	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1610	...	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	ND	05	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	58	...	IS 3025 (Part-32)
13.	Turbidity, NTU max	<01	...	IS 3025 (Part-10)

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Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 270	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	STP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 270
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	6.64	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	136	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	891	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	151	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	550	IS 3025 (part-58)
6.	Oil and Grease, mg/L	48	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	259	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	274	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.30	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1487	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	08	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	96	IS 3025 (Part-32)
13.	Turbidity, NTU max	82	IS 3025 (Part-10)

Note: ND Denotes Not Detectable

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TEST REPORT

Issued To: M/s Madhav KRG Limited.,
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Village- Akalgarh, Mandi, Gobindgarh (Pb).

Report No.	CEFT 2409 271	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	STP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 271
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	6.82	5.5 - 9.0	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	23	100	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	766	2100	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	26	10	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	110	50	IS 3025 (part-58)
6.	Oil and Grease, mg/L	06	10	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	178	...	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	202	...	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.11	03	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1316	...	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	0.17	05	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	81	...	IS 3025 (Part-32)
13.	Turbidity, NTU max	16	...	IS 3025 (Part-10)

Note: ND Denotes Not Detectable

Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 273 to 276	Report Date	17.09.2024
Your Ref. No	NIL	Type of sample	Ambient Noise
Sample Code Given by Customer	NIL	Date of Monitoring	11.09.2024
Sampling Location	Within Premises	Sample I.D.	CEFT GEN 2409 273 to 276
Sample Monitored By	Lab Person	Date of test	11.09.2024
Sampling procedure	As per SOP		

Sr. No.	Location	Results dB(A)Leq	Standards dB(A)Leq	Test Method
1	Near Main Gate	68.6	75(DAY) As per Rule 2010	IS 9989
2	Near Gate No-2/F.G Gate	65.2	75(DAY) As per Rule 2010	IS 9989
3	Near Stack Area	70.3	75(DAY) As per Rule 2010	IS 9989
4	Near Pipe and Tube Plant	73.4	75(DAY) As per Rule 2010	IS 9989

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TEST REPORT

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

Report No.	CEFT 2409 278	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-1	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 278
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	7.51	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	492	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	304	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	133	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	51	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	62	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	21	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	267	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	61	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	14	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	31.7	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.5	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.6	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	2.1	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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TEST REPORT

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

Report No.	CEFT 2409 277	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-2	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 277
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	6.83	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	362	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	238	200	600	IS 3025 (Part-23)
4	Chloride (as Cl) mg/l, Max	98	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	22	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	42	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	14	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	172	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	42	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	8.5	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	24.6	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.2	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.24	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	2.2	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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**** End of Report ****



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TEST REPORT

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

Report No.	CEFT/2409/279	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-3	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2409/279
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	7.16	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	388	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	222	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	117	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	42	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	56	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	24	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	188	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	47	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	9.2	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	24.6	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.3	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.34	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	1.7	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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**** End of Report ****



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TEST REPORT

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

Report No.	CEFT 2409 291	Report Date	17.09.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET-1
Sampling Location	Compressor Room	Date of Monitoring	11.09.2024
Sample Monitored by	Lab Person	Sample I.D.	CEFT GEN 2409 291
Sampling Procedure	As per SOP		

Instrument Used for Sampling	NOISE METER
Source	D.G. Set (600 KVA)
Engine S. No	JZB01040
Mfg. Year:	...
Fuel Used	H.S.D.

SR. NO.	LOCATION/AREA	RESULTS dB(A) Leq	LIMITS IN dB(A) Leq As per 2000	TEST METHOD
A	DG Set With Acoustic Enclosure	DG Set ON		
1	Average Noise levels measured at different points at 1.0 m from the enclosure surface	74.5	75	IS 4758

Note: All Parameters are within limit as prescribed by the CPCB Guidelines -2010.

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**** End of Report ****



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TEST REPORT

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

Report No.	CEFT 2409 285	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-1	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 285
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	6.83	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	494	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	324	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	162	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	36	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	46	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	21	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	284	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	42	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	11	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	36.1	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.6	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.67	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	1.8	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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**** End of Report ****

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TEST REPORT

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

Report No.	CEFT/2409/286	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-2	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2409/286
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	6.74	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	470	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l, Max	254	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	154	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	57	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	62	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	14	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	214	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	49	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	12	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	27.9	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.7	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.84	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	3.2	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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** End of Report **

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TEST REPORT

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

Report No.	CEFT 2409 261	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 261
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	8.8m/s
6	Sampling Duration	54min.
7	Ambient air temperature	31 °C
8	Stack temperature	130°C
9	Stack height from ground level	40 meter (GL)
10	Diameter of stack	U-1.6 meter, L-3 meter
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	13.6	50	IS:11255(Pt -1)

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**** End of Report ****



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TEST REPORT

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

Report No.	CEFT 2409 281	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	NEW	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 281
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024
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	10.4m/s	
6	Sampling Duration	51 min.	
7	Ambient air temperature	31 °C	
8	Stack temperature	146°C	
9	Stack height from ground level	40 meter (GL)	
10	Diameter of stack	U-1.85 meter, L-3 meter	
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	8.91	50	IS:11255(Pt -1)

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**** End of Report ****

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TEST REPORT

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

Report No.	CEFT 2409 282	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD HCL / CGL	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 282
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	8.8m/s
6	Sampling Duration	49 min.
7	Ambient air temperature	31 °C
8	Stack temperature	82°C
9	Stack height from ground level	17 meter (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	17.2	50	IS:11255(Pt -1)
2.	Acid Mist(as HCL), mg/Nm ³	10	50	USEPA Method 8A

Page No.1/1

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Centre for Environment and Food Technology Pvt. Ltd.

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NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT 2409 283	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 283
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	10.4m/s
6	Sampling Duration	47 min.
7	Ambient air temperature	31 °C
8	Stack temperature	98°C
9	Stack height from ground level	15 meter (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	19.4	50	IS:11255(Pt -1)

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**** End of Report ****

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TEST REPORT

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

Report No.	CEFT 2409 284	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Pipe And Tube Plant	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 284
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024
TECHNICAL DATA			
1	Instrument Used for Sampling	VSSI	
2	Source of Emission	Process Stack of Hot Water Generator	
3	Fuel used in source	Fire Wood(11.5MT)	
4	Type of stack	Circular of Metal	
5	Velocity of fuel gases	9.9m/s	
6	Sampling Duration	50min.	
7	Ambient air temperature	31 °C	
8	Stack temperature	135°C	
9	Stack height from ground level	15 meter (GL)	
10	Diameter of stack	400mm	
11	No. of traverse point selected	01	
12	Type of APCD Installed	Cyclone & Bag House Filter	

S. NO	PARAMETER	RESULT (mg/nm ³)	TEST METHOD
1.	Particulate Matter, mg/Nm ³	27.2	IS:11255(Pt -1)

Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 266	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 266
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

TECHNICAL DATA

1	Location of Sampling Station	Near Rolling Area
2	Instrument Used for Sampling	Handy Sampler
3	Source of Sampling	Work Zone Air Sample
4	Temperature of Sampling Location	38°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(NH ₄)	04	18	NIOSH to 6015: 1994
2.	Lead (Pb)	0.12	50	IS 5182 (Part-22): 2004
3.	Nickel (Ni)	0.16	0.5	IS 5182 (Part-22): 2004
4.	Zinc Oxide(Total Dust)	0.33	15	OSHA, Method ID-143
	Respirable Fraction	0.100	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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TEST REPORT

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

Report No.	CEFT 2409 262	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 262
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	22	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	42	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 263	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 263
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	82	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	14	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	27	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	38	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

**** End of Report ****

Authorised Signatory

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Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722

Email: info@ceftlab.com, Website : www.ceftlab.com



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TEST REPORT

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

Report No.	CEFT 2409 264	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 264
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	86	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	30	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	49	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 265	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 265
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	87	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	34	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	50	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 267	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 267
Sampling procedure	As per SOP	Date of test	12.09.2024– 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	1.62	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	58	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	2592	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	215	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	810	IS 3025 (part-58)
6.	Oil and Grease, mg/L	25	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	290.4	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	252	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	44	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	3898	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	176	IS 3025 (Part-32)
13.	Turbidity, NTU max	41	IS 3025 (Part-10)

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Page No.1/1

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

Report No.	CEFT 2409 268	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 268
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	6.83	5.5 - 9.0	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	28	100	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	1651	2100	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	24	30	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	130	250	IS 3025 (part-58)
6.	Oil and Grease, mg/L	03	10	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	192	...	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	206	...	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.17	03	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1610	...	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	ND	05	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	58	...	IS 3025 (Part-32)
13.	Turbidity, NTU max	<01	...	IS 3025 (Part-10)

Note: ND Denotes Not Detectable

Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 285	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-1	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 285
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	6.83	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	494	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	324	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	162	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	36	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	46	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	21	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	284	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	42	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	11	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	36.1	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.6	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.67	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	1.8	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

Page No.1/1

**** End of Report ****

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5. The Court Jurisdiction will be Delhi.

6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Mofi Nagar, New Delhi - 110015 Ph.: - 011-45012722

Email: info@cefflab.com, Website : www.cefflab.com





Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT 2409 286	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-2	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 286
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	6.74	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	470	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l, Max	254	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	154	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	57	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	62	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	14	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	214	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	49	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	12	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	27.9	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.7	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.84	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	3.2	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

Page No.1/1

** End of Report **

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From: regulatory@madhavkrggroup.com Sent: Fri 31-05-2024 18:17

To: ecompliance-nro@gov.in; ronz.chd-mef@nic.in

Cc: 'EE-FGS'; 'SEIAA PB'

Subject: Regarding Six monthly compliance of M/s Madhav KRG Ltd. for the period ending 31.03.2024

Message EC Mail M3_compressed.pdf (11 MB)

Dear Sir,

We are hereby submitting six-monthly compliance report for the period ending 31.03.2024 for our Steel Manufacturing Unit namely "M/s Madhav KRG Ltd." located at Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab. Same has also been uploaded on Parivesh Portal.

Kindly acknowledge the receipt of the same.

Warm Regards
Swarn Jeet Singh

AGM-Regulatory
+91 9115101607 (Ext,243)

Madhav KRG Limited
(Formerly known as Madhav Alloys Ltd)



Activate Windows
Go to Settings to activate Windows

See more about: regulatory@madhavkrggroup.com.



Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001; 2015, ISO 45001; 2018 (OHSAS); ISO/IEC 17025; 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT 2409 270	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	STP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 270
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	6.64	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	136	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	891	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	151	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	550	IS 3025 (part-58)
6.	Oil and Grease, mg/L	48	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	259	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	274	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.30	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1487	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	08	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	96	IS 3025 (Part-32)
13.	Turbidity, NTU max	82	IS 3025 (Part-10)

Note: ND Denotes Not Detectable

Page No.1/1

**** End of Report ****

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TEST REPORT

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

Report No.	CEFT 2409 271	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	STP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 271
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	6.82	5.5 - 9.0	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	23	100	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	766	2100	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	26	10	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	110	50	IS 3025 (part-58)
6.	Oil and Grease, mg/L	06	10	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	178	...	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	202	...	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.11	03	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1316	...	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	0.17	05	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	81	...	IS 3025 (Part-32)
13.	Turbidity, NTU max	16	...	IS 3025 (Part-10)

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Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 267	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 267
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	1.62	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	58	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	2592	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	215	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	810	IS 3025 (part-58)
6.	Oil and Grease, mg/L	25	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	290.4	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	252	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	44	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	3898	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	176	IS 3025 (Part-32)
13.	Turbidity, NTU max	41	IS 3025 (Part-10)

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Page No.1/1

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Village- Akalgarh, Mandi, Gobindgarh (Pb).

Report No.	CEFT 2409 268	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 268
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	6.83	5.5 - 9.0	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	28	100	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	1651	2100	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	24	30	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	130	250	IS 3025 (part-58)
6.	Oil and Grease, mg/L	03	10	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	192	...	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	206	...	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.17	03	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1610	...	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	ND	05	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	58	...	IS 3025 (Part-32)
13.	Turbidity, NTU max	<01	...	IS 3025 (Part-10)

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Page No.1/1

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Waste Water Management (Sant Seechewal Model)

Rain Harvesting Project (Sant Seechewal) has devised and indigenously modeled to treat the water . The main objective are :

- ▶ Recycling and reusing the treated waste water for irrigation
- ▶ Preventing further contamination of groundwater

Total **8** project has been done in different villages. Appox. 10 lakh Cubic MT water treated.



Jasso Majra



Bhagwanpura



Chehal



Noorpura

Roof Rain Harvesting project

Today, rainwater harvesting has gained much on significance as a modern, water-saving and simple technology. Madhav KRG Ltd also took initiative to adopt this technology for the following objective. Till now 5 projects have been completed.

- ▶ To meet the increasing demand of water.
- ▶ To Control Wastage of Rain Water.
- ▶ To avoid the flooding of roads.
- ▶ To make the Unit Independent for Water Consumption.



Chehal



Akalgarh



Bhagwanpura



Alipur



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TEST REPORT

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

Report No.	CEFT 2409 262	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 262
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	22	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	42	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

** End of Report **

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TEST REPORT

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

Report No.	CEFT 2409 263	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 263
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	82	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	14	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	27	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	38	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

**** End of Report ****

Authorised Signatory

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Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Moti Nagar, New Delhi - 110015 Ph.: - 011-45012722

Email: info@ceftlab.com, Website : www.ceftlab.com



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TEST REPORT

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

Report No.	CEFT 2409 264	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 264
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	86	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	30	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	49	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

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**** End of Report ****



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5. The Court Jurisdiction will be Delhi.

6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Mofl Nagar, New Delhi - 110015 Ph.: - 011-45012722

Email: info@ceftlab.com, Website : www.ceftlab.com



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TEST REPORT

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

Report No.	CEFT 2409 265	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of Sample Receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 265
Sampling procedure	As per SOP	Date of test	12.09.2024 to 17.09.2024

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	31°C
5	Environmental Condition	Max temp. 35°C Min temp. 26°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)	87	100.0 µg/m ³	IS 5182 (Part-23)
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2)
3.	Nitrogen dioxide (NO ₂)	34	80.0 µg/m ³	IS 5182 (Part-6)
4.	Fine particulate matter (PM _{2.5})	50	60.0 µg/m ³	IS 5182 (Part-24)
5.	CO (One Hours)	ND	2.0 mg/m ³	IS 5182 (Part-10)
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22)
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22)
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22)
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11)
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12)
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	IS 5182 (Part-25)
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9)

Note: ND denotes NOT Detectable

Page No.1/1

**** End of Report ****

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TEST REPORT

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

Report No.	CEFT 2409 267	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 267
Sampling procedure	As per SOP	Date of test	12.09.2024– 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	1.62	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	58	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	2592	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	215	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	810	IS 3025 (part-58)
6.	Oil and Grease, mg/L	25	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	290.4	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	252	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	44	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	3898	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	176	IS 3025 (Part-32)
13.	Turbidity, NTU max	41	IS 3025 (Part-10)

Note: ND Denotes Not Detectable

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TEST REPORT

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

Report No.	CEFT 2409 268	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 268
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	6.83	5.5 - 9.0	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	28	100	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	1651	2100	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	24	30	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	130	250	IS 3025 (part-58)
6.	Oil and Grease, mg/L	03	10	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	192	...	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	206	...	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.17	03	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1610	...	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	ND	05	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	58	...	IS 3025 (Part-32)
13.	Turbidity, NTU max	<01	...	IS 3025 (Part-10)

Note: ND Denotes Not Detectable

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TEST REPORT

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

Report No.	CEFT 2409 270	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	STP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 270
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	6.64	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	136	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	891	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	151	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	550	IS 3025 (part-58)
6.	Oil and Grease, mg/L	48	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	259	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	274	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.30	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1487	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	08	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	96	IS 3025 (Part-32)
13.	Turbidity, NTU max	82	IS 3025 (Part-10)

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TEST REPORT

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

Report No.	CEFT 2409 271	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	STP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	11.09.2024
Sampling Location	Within Premises	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 271
Sampling procedure	As per SOP	Date of test	12.09.2024- 17.09.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	6.82	5.5 - 9.0	IS 3025(Part-11)
2.	Total Suspended Solids, mg/L	23	100	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/L	766	2100	IS 3025 (Part-16)
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	26	10	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/L	110	50	IS 3025 (part-58)
6.	Oil and Grease, mg/L	06	10	IS 3025 (Part-39)
7.	Total Hardness(as CaCO ₃) mg/l,	178	...	IS 3025 (Part-21)
8.	Alkalinity (as CaCO ₃) mg/l	202	...	IS 3025 (Part-23)
9.	Iron (as Fe) mg/l	0.11	03	IS 3025 (Part-53)
10.	Conductivity, micro mhos/cm at 25° C	1316	...	IS 3025 (Part-14)
11.	Total Phosphate as PO ₄	0.17	05	IS 3025 (Part-31)
12.	Chloride (as Cl), mg/l,	81	...	IS 3025 (Part-32)
13.	Turbidity, NTU max	16	...	IS 3025 (Part-10)

Note: ND Denotes Not Detectable

Page No.1/1

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TEST REPORT

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

Report No.	CEFT 2409 273 to 276	Report Date	17.09.2024
Your Ref. No	NIL	Type of sample	Ambient Noise
Sample Code Given by Customer	NIL	Date of Monitoring	11.09.2024
Sampling Location	Within Premises	Sample I.D.	CEFT GEN 2409 273 to 276
Sample Monitored By	Lab Person	Date of test	11.09.2024
Sampling procedure	As per SOP		

Sr. No.	Location	Results dB(A)Leq	Standards dB(A)Leq	Test Method
1	Near Main Gate	68.6	75(DAY) As per Rule 2010	IS 9989
2	Near Gate No-2/F.G Gate	65.2	75(DAY) As per Rule 2010	IS 9989
3	Near Stack Area	70.3	75(DAY) As per Rule 2010	IS 9989
4	Near Pipe and Tube Plant	73.4	75(DAY) As per Rule 2010	IS 9989

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TEST REPORT

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

Report No.	CEFT 2409 278	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-1	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 278
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	7.51	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	492	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	304	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	133	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	51	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	62	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	21	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	267	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	61	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	14	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	31.7	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.5	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.6	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	2.1	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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TEST REPORT

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

Report No.	CEFT 2409 277	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-2	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 277
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	6.83	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	362	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	238	200	600	IS 3025 (Part-23)
4	Chloride (as Cl) mg/l, Max	98	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	22	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	42	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	14	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	172	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	42	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	8.5	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	24.6	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.2	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.24	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	2.2	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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6. Customer complaint register is available at the laboratory.



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NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT/2409/279	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-3	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2409/279
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	7.16	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	388	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	222	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	117	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	42	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	56	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	24	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	188	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	47	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	9.2	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	24.6	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.3	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.34	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	1.7	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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**** End of Report ****



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TEST REPORT

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

Report No.	CEFT 2409 291	Report Date	17.09.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET-1
Sampling Location	Compressor Room	Date of Monitoring	11.09.2024
Sample Monitored by	Lab Person	Sample I.D.	CEFT GEN 2409 291
Sampling Procedure	As per SOP		

Instrument Used for Sampling	NOISE METER
Source	D.G. Set (600 KVA)
Engine S. No	JZB01040
Mfg. Year:	...
Fuel Used	H.S.D.

SR. NO.	LOCATION/AREA	RESULTS dB(A) Leq	LIMITS IN dB(A) Leq As per 2000	TEST METHOD
A	DG Set With Acoustic Enclosure	DG Set ON		
1	Average Noise levels measured at different points at 1.0 m from the enclosure surface	74.5	75	IS 4758

Note: All Parameters are within limit as prescribed by the CPCB Guidelines -2010.

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**** End of Report ****



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TEST REPORT

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

Report No.	CEFT 2409 285	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-1	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 285
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	6.83	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	494	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l ,Max	324	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	162	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	36	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	46	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	21	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	284	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	42	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	11	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	36.1	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.6	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.67	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	1.8	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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**** End of Report ****

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TEST REPORT

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

Report No.	CEFT 2409 286	Report Date	17.09.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-2	Quantity	05 LITER
		Date of sampling	11.09.2024
Sampling Location	Nil	Date of sample receipt	12.09.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 286
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	6.74	6.5 – 8.5	No relaxation	IS 3025 (Part-11)
2	Total Dissolved Solids mg/l Max	470	500	2000	IS 3025 (Part-16)
3	Alkalinity (as CaCO ₃) mg/l, Max	254	200	600	IS 3025 (Part-23)
4	Chloride (as Cl), mg/l, Max	154	250	1594	IS 3025 (Part-32)
5	Sulphate (as SO ₄) mg/l, Max	57	200	400	IS 3025 (Part-24)
6	Calcium (as Ca) mg/l Max	62	75	200	IS 3025 (Part-40)
7	Magnesium (as Mg) mg/l, Max	14	30	100	IS 3025 (Part-46)
8	Total Hardness(as CaCO ₃) mg/l, Max	214	200	600	IS 3025 (Part-21)
9	Sodium (as Na) mg/l Max	49	-	-	IS 3025 (Part-45)
10	Potassium (as K) mg/l Max	12	-	-	IS 3025 (Part-45)
11	Nitrate (as NO ₃) mg/l, Max	27.9	45	No relaxation	IS 3025 (Part-34)
12	Fluoride (as F) mg/l Max	0.7	1.0	1.5	APHA 4500F (D)
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4)
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5)
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10)
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part -8)
17	Iron (as Fe) mg/l Max	0.84	1.0	No relaxation	IS 3025 (Part-53)
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57)
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59)
20	Zinc (as Zn) mg/l Max	3.2	5	15	IS 3025 (Part-49)
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42)
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41)
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47)
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37)
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52)
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 24 th Edition 2023-4500 D

Bacteriological examination:-

S. NO.	PARAMETERS	TEST RESULTS	LIMIT	TEST METHOD
1	E.coli/100ml	ABSENT	ABSENT	IS 15185:2016
2	Coliform /100ml	ABSENT	ABSENT	IS 15185:2016

Note: ND Denotes Not Detectable

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** End of Report **

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NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT 2409 261	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 261
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	8.8m/s
6	Sampling Duration	54min.
7	Ambient air temperature	31 °C
8	Stack temperature	130°C
9	Stack height from ground level	40 meter (GL)
10	Diameter of stack	U-1.6 meter, L-3 meter
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	13.6	50	IS:11255(Pt -1)

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**** End of Report ****



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TEST REPORT

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

Report No.	CEFT 2409 281	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	NEW	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 281
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024
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	10.4m/s	
6	Sampling Duration	51 min.	
7	Ambient air temperature	31 °C	
8	Stack temperature	146°C	
9	Stack height from ground level	40 meter (GL)	
10	Diameter of stack	U-1.85 meter, L-3 meter	
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	8.91	50	IS:11255(Pt -1)

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**** End of Report ****

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NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT 2409 282	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD HCL / CGL	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 282
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	8.8m/s
6	Sampling Duration	49 min.
7	Ambient air temperature	31 °C
8	Stack temperature	82°C
9	Stack height from ground level	17 meter (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	17.2	50	IS:11255(Pt -1)
2.	Acid Mist(as HCL), mg/Nm ³	10	50	USEPA Method 8A

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TEST REPORT

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

Report No.	CEFT 2409 283	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 283
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

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	10.4m/s
6	Sampling Duration	47 min.
7	Ambient air temperature	31 °C
8	Stack temperature	98°C
9	Stack height from ground level	15 meter (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	19.4	50	IS:11255(Pt -1)

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TEST REPORT

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

Report No.	CEFT 2409 284	Report Date	17.09.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Pipe And Tube Plant	Date of sampling	11.09.2024
		Date of Sample Receipt	12.09.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2409 284
Sampling procedure	As per SOP	Date of test	12.09.2024-17.09.2024

TECHNICAL DATA

1	Instrument Used for Sampling	VSSI
2	Source of Emission	Process Stack of Hot Water Generator
3	Fuel used in source	Fire Wood(11.5MT)
4	Type of stack	Circular of Metal
5	Velocity of fuel gases	9.9m/s
6	Sampling Duration	50min.
7	Ambient air temperature	31 °C
8	Stack temperature	135°C
9	Stack height from ground level	15 meter (GL)
10	Diameter of stack	400mm
11	No. of traverse point selected	01
12	Type of APCD Installed	Cyclone & Bag House Filter

S. NO	PARAMETER	RESULT (mg/nm ³)	TEST METHOD
1.	Particulate Matter, mg/Nm ³	27.2	IS:11255(Pt -1)

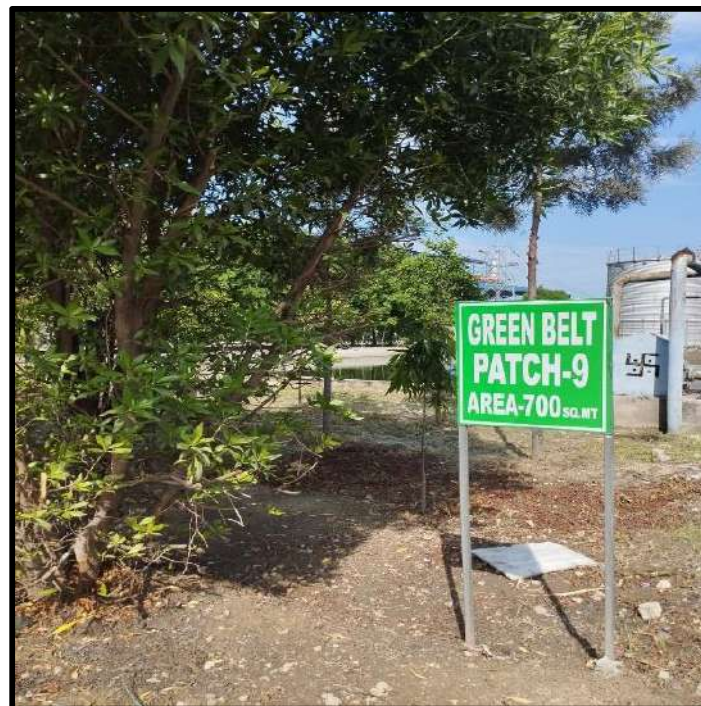
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PROJECT PHOTOGRAPHS





Photographs showing Green area provided within project premises





Photographs showing Solar Panels





Photographs showing Fire Safety Equipment



Photographs showing Sewage Treatment Plant



Photographs showing Effluent Treatment Plant



Photograph showing Hazardous waste storage area

Photographs of Rejuvenation of pond activity





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-1, 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 :

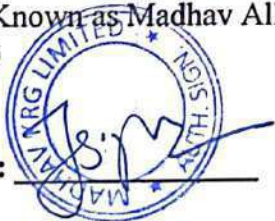
S.No.	Type of Hazardous Waste	Quantity (in MT)
1.	ETP Sludge (Category 35.3)	25 Ton/Annum
2.	FES Bags	211

- 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



JYOTI

Ek Kadam Aage

QUALITY TMT BARS, PIPES & TUBES



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
(Formerly known as Madhav Alloys Ltd.)
For Madhav KRG Limited

Sudhir Goyal
Director Director
DIN- 00361549

7

Regd. Office: Unit No. 1003, 10th Floor, Aggarwal Millenium, Tower-1, 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.

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

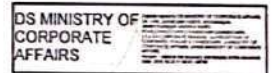
Corporate Identity Number: U27104PB2003PLC026123

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

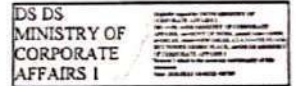
Certificate of Incorporation pursuant to change of name
[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

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, TRANSFORMER OIL, HYDRIODIC OIL,
INDUSTRIAL OIL & GREASE, **ALSO DEALS IN : IRON AND STEELS GOODS**

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

Ref. No. H.M.BRS-8

Dated.....18/06/22.....

AGREEMENT

This agreement made on June 18, 2022 between MADHAV KRG 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 KRG 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 /CPCC authorization.

This agreement is valid from 18/06/2022 TO 17/06/2025

This Agreement is signed on This 18th Date of JUNE 2022 at Mandi Gobindgarh.

MADHAV KRG LIMITED

By its Authorized Signatory

BRS LUBRICANTS

For BRS LUBRICANTS

Nikas Casey
By its Authorized 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. A. mtak. B hadsar. R. oach. 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

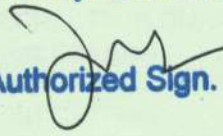
Authorized Sign.

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:

OHS MANUAL

SMS Division

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

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.



BUILDING A SUSTAINABLE
TOMORROW

Environment Management Committee

Cat.	sr. No.	Position	Represented	Role
EXECUTIVE COUNCIL	1	Managing Director	Mr. Sudhir Goyal	Chairman
	2	Director	Mr. Sanjeev Goyal	Director
	3	HOD Regulatory	Mr. Swaranjeet Singh	Coordinator
	4	Incharge- EHS	Mr. Jagdeep Kumar	Coordinator
MEMBERS	5	CFO	Mr. Sunijit Singh	Members
	6	HOD - HCD	Mr. Vijay Mohan	Members
	7	Plant Head TMT	Mr. SR Dwibedi	Members
	8	Plant Head P&T	Mr. Razeev Tandon	Members
	9	AGM RM Domestic Purchase	Mr. Dixit Gupta	Members
	10	AGM Logistic & Transportations	Mr. Jarnail Singh	Members
	11	AGM Maintenance	Mr. Bala Kumar	Members
	12	Security Incharge	Mr. Brijesh Kumar	Members
ADVISORS	13	Advisor - Public Relations	Mr. Dilbagh Mangat	Advisor
	14	Advisor - CSR Activities	Mr. Sumit Kuamr	Advisor

For Madhav KRG Limited

Authorized Signatoury

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MADHAV KRG LIMITED

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-141404
Phone: +91 1765-500075, E-mail: info@madhavkrggroup.com
Works : Vill. Akalgarh, Amloh-Bhadson Road,
Near Toll Plaza, Distt. Patiala-147203

CIN : U27104DL2003PLC365691

PAN: AADCM6458N

www.madhavkrggroup.com

Annexure 24



ENVIRONMENT & LEGAL CLEARANCES

ENVIRONMENT COMPLIANCE REPORTS

Environment & Legal Clearances

CTO/N M/L 02.04.2024		CTOA M/L 02.04.2024	
HMW Machair Kirg Limited 12.04.2024		Granted EG 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	
CTD Water WRD From 24.07.2018		Environment Clearance From 07.07.2011	
SCA-CJM-SAC From 09.10.2017		CTE Third Furnace & CGR	
CTO Air Third Furnace & CGR		CTO Water Third Furnace & CGR	
Environment Audit 2018-19			

सूचनाएं (संख्या)
संख्या 730 बने
आज का पंचांग

विधि संवत् : श्रावण शुक्ल चतुर्थी
शुक्रवार 13, पूर्ण चतुर्दशी, 6 वृष

सूच्योद्यम कालिका नक्षत्र :
ज्येष्ठ शुक्ल 03:12 तक
शुक्रवार 09:00 से 10:30 तक
शुक्रवार 09:00 से 10:30 तक

Table with 4 columns: Time, Day, Sign, Nakshatra

राशिफल

- मेष : शुभ अंक-2 शुभ रा. विनायक
मेष शुभ अंक-1 शुभ रा. धर्म
मिथुन : शुभ अंक-9 शुभ रा. जगदीश

कॉस वर्ड 5383

Word search puzzle grid with numbers 1-23 and a list of words to find.

Sudoku puzzle grid with numbers 1-9 and a list of numbers to place.

रियोना नीवा में 13 एकड़ में बनाए तालाव में डीसी ने शुरू कराया मछली पालन 'खेती के साथ मछली पालन को सहायक धंधे के तौर पर अपना अधिक लाभ लें'



मछली पालन को लेकर किसानों का ट्रेनिंग सत्र जारी है।

धान की रोपाई को 10 घंटे मिले बिजली सप्लाई



बिजली संभले काले को लेकर किसानों ने जे.जे.पी.सी.सी. से अपील की।

विद्युत 10 घंटे देकर किसानों को सप्लाई की जाए, जिससे धान की रोपाई में बाधा न पड़े।

पर्यावरण की शुद्धता के लिए हर किसी का सहयोग जरूरी: मेयर



पर्यावरण की शुद्धता के लिए हर किसी का सहयोग जरूरी: मेयर

ऑनलाइन चार्ट मेकिंग मुकाबले कराए



ऑनलाइन चार्ट मेकिंग मुकाबले कराए

ऑनलाइन चार्ट मेकिंग मुकाबले कराए

अग्रवाल सभा ने शमशान घाट में पौधे लगाए



अग्रवाल सभा ने शमशान घाट में पौधे लगाए

जल कल्याण फाउंडेशन ने लगाए पौधे



जल कल्याण फाउंडेशन ने लगाए पौधे

सोसायटी ने बरसी के आयोजन पर की चर्चा



सोसायटी ने बरसी के आयोजन पर की चर्चा

श्री अखंड पाठ साहिब शुरू आज डाला जाएगा भोग



श्री अखंड पाठ साहिब शुरू करने की जानकारी देते अग्रवाल

प्रकारा पूर्व शुरू कराए श्री अखंड पाठ साहिब, आज डाला जाएगा भोग



प्रकारा पूर्व शुरू कराए श्री अखंड पाठ साहिब, आज डाला जाएगा भोग

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श्री अखंड पाठ साहिब शुरू करने की जानकारी देते अग्रवाल

प्रकारा पूर्व शुरू कराए श्री अखंड पाठ साहिब, आज डाला जाएगा भोग



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श्री अखंड पाठ साहिब शुरू करने की जानकारी देते अग्रवाल



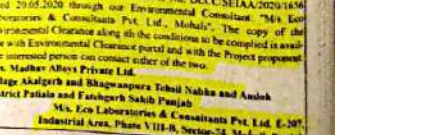
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वातावरण दिवस पर रोटी भवन में पौधरोपण



वातावरण दिवस पर रोटी भवन में पौधरोपण

स्कूल के बाहर दिया धरना



स्कूल के बाहर दिया धरना

Public Notice regarding environmental clearance and land use.



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 : 24960635

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

Subject: **Renewal of consent no. CTOA/Renewal/FGS/2022/19120035 dated 17/10/2022 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/2024/24960635
Date of issue :	02/04/2024
Date of expiry :	31/03/2025
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Renewal/FGS/2022/19120035 From:17/10/2022 To:31/03/2024

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	27376.41 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 to operate 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/Renewal/FGS/2022/19120035 dated 17/10/2022 valid upto 31/03/2024 under the Air (Prevention and Control of Pollution) Act, 1981 is hereby renewed upto 31/03/2025 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall operate & maintain its air pollution control device (APCD), regularly and efficiently, so as to achieve the stack emission standards, consistently as prescribed by the Board/ MoEF&CC as amended from time to time.
2. The industry shall ensure that no black smoke be emitted from the stack of the industry at any time.
3. The industry shall get the stack emissions monitored from the Board's lab within one month.
4. The industry shall make adequate arrangements to control the secondary emissions.
5. The industry will obtain necessary amendment in the Environmental Compensation conditions w.r.t. addition of the area to achieve minimum 33% area under Green Belt from SEIAA, Punjab within 03 months.
6. The industry shall comply with the conditions of Environmental Clearance granted to it in true letter & spirit.
7. The industry shall plant trees wherever space is available inside and outside the unit.
8. The industry shall not undertake expansion without obtaining approval from the Board.
9. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities.
10. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
11. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
12. The industry shall ensure that there is no public nuisance in the area, due to activities of the industry.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOA/Renewal/FGS/2022/19120035 dated 17/10/2022 to the industry under the Air (Prevention & Control of Pollution) Act, 1981.



02/04/2024

**(Amit Kumar)
Environmental Engineer**

For & on behalf

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"This is computer generated document from OCMMS by PPCB"

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

Page2

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. He is requested to ensure the compliance of the consent conditions and submit the report accordingly.



02/04/2024

(Amit Kumar)
Environmental Engineer

For & on behalf
of

(Punjab Pollution Control Board)



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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 : 24960741

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

Subject: Renewal of consent no. CTOW/Renewal/FGS/2022/19122209 dated 17/10/2022 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/2024/24960741
Date of issue :	02/04/2024
Date of expiry :	31/03/2025
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Renewal/FGS/2022/19122209 From:17/10/2022 To:31/03/2024

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	27376.41 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 to operate 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/Renewal/FGS/2022/19122209 dated 17/10/2022 valid upto 31/03/2024 under the Water (Prevention & Control of Pollution) Act, 1974 is hereby renewed upto 31/03/2025 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall operate & maintain its ETP & STP regularly and efficiently, so as to achieve the prescribed effluent standards on regular basis and efficiently and maintain the record of operation of the same.
2. The industry shall comply with the guidelines issued by the Punjab Water Regulation and Development Authority (PWRDA) for the abstraction of ground water.
3. The industry shall install water meter over the supply of fresh water within 7 days and shall submit the record of daily withdrawal/ consumption at Regional Office, Fatehgarh Sahib on monthly basis.
4. The industry shall maintain adequate plantation area to utilize its treated effluent in scientific manner.
5. The industry shall not dispose off its treated/ untreated wastewater into any drain/ choe/ nallah or in any other illegal mode of disposal.
6. The industry will obtain necessary amendment in the Environmental Compensation conditions w.r.t. addition of the area to achieve minimum 33% area under Green Belt from SEIAA, Punjab within 03 months.
7. The industry shall get its spent HCL lifted to the authorized recycler/co-processor having valid authorization under Hazardous and Other Waste (Management and Trans-boundary) Rules, 2016.
8. The industry shall comply with the conditions of Environmental Clearance granted to it in true letter & spirit.
9. The industry shall submit their proposal to install the ETP based on ZLD technology for treatment of their electroplating/ spent hydrochloric acid (HCl) within 01 month at Regional Office, Fatehgarh Sahib.
10. The industry shall plant trees wherever space is available inside and outside the unit.
11. The industry shall not undertake expansion without obtaining approval from the Board.
12. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities.
13. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
14. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
15. The industry shall ensure that there is no public nuisance in the area, due to activities of the industry.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOW/Renewal/FGS/2022/19122209 dated 17/10/2022 to the industry under the Water (Prevention & Control of Pollution) Act, 1974.



02/04/2024

**(Amit Kumar)
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:

Fatehgarh Sahib. He is requested to ensure the compliance of the consent conditions and submit the report accordingly.



02/04/2024

**(Amit Kumar)
Environmental Engineer**

For & on behalf

of

(Punjab Pollution Control Board)

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File Message

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From: regulatory@madhavkrggroup.com Sent: Fri 31-05-2024 18:17

To: ecompliance-nro@gov.in; ronzh.chd-mef@nic.in

Cc: 'EE-FGS'; 'SEIAA PB'

Subject: Regarding Six monthly compliance of M/s Madhav KRG Ltd. for the period ending 31.03.2024

Message EC Mail M3_compressed.pdf (11 MB)

Dear Sir,

We are hereby submitting six-monthly compliance report for the period ending 31.03.2024 for our Steel Manufacturing Unit namely "M/s Madhav KRG Ltd." located at Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab. Same has also been uploaded on Parivesh Portal.

Kindly acknowledge the receipt of the same.

Warm Regards
Swarn Jeet Singh

AGM-Regulatory
+91 9115101607 (Ext,243)

Madhav KRG Limited
(Formerly known as Madhav Alloys Ltd)



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See more about: regulatory@madhavkrggroup.com.

Corporate Environment Responsibility/EC Issue Date 20.05.2020

Sr.No.	Activities	Total Expenditure in 1 year(In lakhs)	Timeline(Starting from date of grant of EC)	Total Expenditure	Actual expenditure					Total
					2020-21	2021-22	2022-23	2023-24	from 01.04.24 to 30.09.24	
1	Wildlife conservation plan(already paid)									
I	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	19280	217030	494068	358801	178207	1267386
II	Provision of one patrolling vehicle for the officer to patrol the study area.	6,00,000	1 year	6,00,000	635819			82000		717819
III	Public awareness and wildlife education activities.	50,000	1 year	50,000				244000	84000	328000
Iv	Fuel for vehicle @100 LT.per month for first year and maintenance.	1,00,000	1 year	1,00,000	14422	6509	26604	58252	50305	156092
v	Contingency/General	50,000	1 year	50,000				233906	1050	234956
2	Awareness to local farmers									0
I	Providing awareness programs on use and make of desi manure from cow dung.	1,00,000	1 year	1,00,000			100000			100000
II	Awareness programs on modern approaches of soil fertility evaluation and fertilizer recommendation.	50,000	2 years	1,00,000	7660	36000	26020	10266		79946
3	Education									0
I	Providing scholarship to the needy students of akalgarh sarkari school and nurpura govt.school	2,00,000	1 year	2,00,000	39766	67850	121886	141570	107150	478222
II	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		114413		173500	104920	392833
4	Health									0
I	Organizing medical camps & blood donation in surroundings villages of akalgarh & bhagwanpura	50,000	5 year	2,50,000	123010	119675	21546	273805	21900	559936
	Total	Rs.15,30,000		Rs.25,00,000	839957	561477	790124	1576100	547532	4315190

FOR MADHAV KRG LIMITED

Auth. Signatory

ENVIRONMENT MANAGER'S Rtn (Clause 90)

Sr.No.	Actual Target	Capital Cost (Rs.in lakhs)	Recurring Cost(Rs.in LPA)	Performance During Financial Year				Total
				2021-22	2022-23	2023-24	01.04.24 to 30.09.24	
1	Environmental Protection Measures	150	2		27628421	49243311	499640	77371372
2	Air pollution control (Installation of APCD) Noise pollution control (including cost of landscape & green belt)	10	1.5		123500	46000	188760	358260
3	Solid waste management	12	1		78000	135000	1106000	1319000
4	Water pollution control (STP,ETP & RO)	2	2		846000	38538476	1700508	41084984
5	Environment monitoring & management	3	5		283000	494000	98100	875100
6	Health,safety & risk assessment	3	0.5	7771	78356	2047647	2999084	5125087
7	Rain water recharging outside the project premises	10	2		500000	670000	214700	1384700
8	Miscellaneous	1	0.5					
	Total	191	14.5	7771	29537277	91174434	6806792	120719482

FOR MADHAV KRG LIMITED


Auth. Signatory