



BUILDING A SUSTAINABLE
TOMORROW

May 31, 2025

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.: eccompliance-nto@gov.in and ronz.chd-mef@nic.in)

Subject: Submission of six monthly report for period ending 31.03.2025 for the Steel Manufacturing Unit namely "Madhav KRG Ltd." (earlier known as Madhav Alloys Pvt. Ltd.) located at Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amlah, Distt. Patiala & Fatehgarh Sahib, Punjab.

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 31.03.2025 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 sciaapb2017@gmail.com)**
2. **Environmental Engineer, Punjab Pollution Control Board, Regional Office, RIMT Management College, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (mail id: ceerofgs@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@madhavkrggroup.com
Works: Vill. Akalgarh, Amlah-Bhadson Road,
Near Toll Plaza, Dist. Patiala-147203



**Half Yearly Compliance Report
2025
01 Jun(01 Oct - 31 Mar)**

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-1101/406/2010-IA-II(I)	Entity name as per PAN	MADHAV KRG HRC PRIVATE LIMITED

Compliance Reporting Details

Reporting Year 2025
Remarks (if any)
Reporting Period 01 Jun(01 Oct - 31 Mar)

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	32.77	32.77
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	32.77	32.77

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)	31/03/2029	1050000	611792	1020000

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	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: 23/05/2025
2	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: Being Complied Proponent has provided STP for treatment of wastewater and reutilizing treated water for core/ non-core activities and has achieved Zero Liquid Discharge Condition.		Date: 29/05/2025
3	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: 23/05/2025
4	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: 23/05/2025
5	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: 23/05/2025
6	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: 23/05/2025
7	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: 23/05/2025
8	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: 23/05/2025
9	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: 23/05/2025
10	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: 23/05/2025
11	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: 23/05/2025
12	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: 23/05/2025
13	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.

<p>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.</p>		<p>Date: 23/05/2025</p>
14	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."
<p>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.</p>		<p>Date: 23/05/2025</p>
15	MISCELLANEOUS	"The project proponent shall use natural gas (if available) as substitute fuel whenever possible in the existing industry/ for expansion project."
<p>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.</p>		<p>Date: 23/05/2025</p>
16	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.
<p>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)."</p>		<p>Date: 23/05/2025</p>
<p>General Conditions</p>		
Sr.No.	Condition Type	Condition Details
1	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.
<p>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.</p>		<p>Date: 30/05/2025</p>
2	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.
<p>PPs Submission: Complied The commitments made during public hearing has been implemented.</p>		<p>Date: 23/05/2025</p>
3	Statutory compliance	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.
PPs Submission: Complied NOC has been obtained regarding diversion of forest land; copy of the same is enclosed as annexure.		Date: 29/05/2025
4	Statutory compliance	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
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.		Date: 29/05/2025
5	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: 23/05/2025
6	Statutory compliance	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
PPs Submission: Being Complied "Authorization of Hazardous waste has been obtained from PPCB; copy of the same is enclosed as annexure .		Date: 29/05/2025
7	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 .		Date: 29/05/2025
8	Statutory compliance	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.
PPs Submission: Being Complied Consent to 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. Complied. Copies attached.		Date: 29/05/2025
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.</p>		<p>Date: 29/05/2025</p>
10	Statutory compliance	<p>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.</p>
<p>PPs Submission: Being Complied The conditions imposed by the District Town Planner is being complied.</p>		<p>Date: 23/05/2025</p>
11	AIR QUALITY MONITORING AND PRESERVATION	<p>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.</p>
<p>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.</p>		<p>Date: 29/05/2025</p>
12	MISCELLANEOUS	<p>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.</p>
<p>PPs Submission: Complied Project is already in operation and 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 were informed to concerned offices earlier.</p>		<p>Date: 30/05/2025</p>
13	Corporate Environmental Responsibility	<p>The project proponent shall comply with the provisions contained in this Ministrys 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 famers "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</p>

		<p>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>
<p>PPs Submission: Complied . Facility has spent a sum of Rs. 32,65,975/- on CER activities from 01.04.2024 to 31.03.2025. 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: 31/05/2025</p>
14	Corporate Environmental Responsibility	<p>The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF and CC as a part of six-monthly report.</p>
<p>PPs Submission: Complied Environment and Health Policy of company stating the environment protection measures are attached as Annexure</p>		<p>Date: 30/05/2025</p>
15	Corporate Environmental Responsibility	<p>Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.</p>
<p>PPs Submission: Agreed to Comply Agreed</p>		<p>Date: 30/05/2025</p>
16	MISCELLANEOUS	<p>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.</p>
<p>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 .</p>		<p>Date: 30/05/2025</p>
17	MISCELLANEOUS	<p>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</p>

		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: 23/05/2025
18	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: 24/05/2025
19	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 report to the head of the organization.
PPs Submission: Complied "Environmental Management Cell has been constituted. Details of EMC is enclosed as Annexure .		Date: 30/05/2025
20	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.
PPs Submission: Being Complied Agreed and being complied. Facility has spent a sum of Rs. 42,39,751/- on Environmental Protection Measures from 01.10.2024 to 31.03.2025. 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.		Date: 31/05/2025
21	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: 23/05/2025
22	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: 23/05/2025

23	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: 23/05/2025
24	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: 23/05/2025
25	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: 24/05/2025
26	Corporate Environmental Responsibility	Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional along with Six Monthly Compliance Report.
PPs Submission: Being Complied Agreed		Date: 23/05/2025
27	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: 23/05/2025
28	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.
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 .		Date: 30/05/2025
29	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: 24/05/2025
30	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: 24/05/2025
31	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: 24/05/2025
32	MISCELLANEOUS	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: 30/05/2025
33	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: 24/05/2025
34	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: 24/05/2025
35	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: 24/05/2025
36	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 30.09.2024 is enclosed as Annexure		Date: 30/05/2025

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: 23/05/2025
38	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: 23/05/2025
39	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: 23/05/2025
40	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: 23/05/2025
41	AIR QUALITY MONITORING AND PRESERVATION	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).
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 .		Date: 29/05/2025
42	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: 23/05/2025
43	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: Complied Not required.		Date: 29/05/2025
44	ENERGY PRESERVATION	Provide solar power generation on rooftops of buildings, for solar

	MEASURES	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 .		Date: 30/05/2025
45	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: 23/05/2025
46	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 .		Date: 30/05/2025
47	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		Date: 30/05/2025
48	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: 23/05/2025
49	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: 23/05/2025
50	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		Date:

"STP of capacity 150 KLD has been installed within the project premises. Test reports of STP inlet and outlet are attached as annexure .		30/05/2025
51	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: 23/05/2025
52	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: 23/05/2025
53	AIR QUALITY MONITORING AND PRESERVATION	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
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."		Date: 23/05/2025
54	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: 23/05/2025
55	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: 23/05/2025
56	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: 23/05/2025
57	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).
<p>PPs Submission: Complied</p> <p>Continuous effluent monitoring system within the project premises has been installed. Further, monitoring of ETP inlet and outlet sample has been done on quarterly basis by NABL accredited laboratory. Test reports of ETP inlet and outlet are attached as annexure</p>		<p>Date: 29/05/2025</p>
58	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.
<p>PPs Submission: Being Complied</p> <p>Monthly summary reports are being submitted.</p>		<p>Date: 23/05/2025</p>
59	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."
<p>PPs Submission: Being Complied</p> <p>"Water consumption has been kept minimum. In addition to this, treated water from ETP and STP is being reused as process water.</p>		<p>Date: 29/05/2025</p>
60	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.
<p>PPs Submission: Being Complied</p> <p>ETP of capacity 150 KLD has been installed. Test reports of ETP inlet and outlet are attached herewith</p>		<p>Date: 30/05/2025</p>
61	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 m ³ /annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-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.
<p>PPs Submission: Being Complied</p> <p>"Ponds have been adopted in village Ghundar, Chahal, Jasso Majra, Narpura 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.</p>		<p>Date: 30/05/2025</p>
62	WASTE MANAGEMENT	Used refractories shall be recycled as far as possible.

PPs Submission: Being Complied Agreed		Date: 23/05/2025
63	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: 30/05/2025
64	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: 23/05/2025
65	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: 23/05/2025
66	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: 23/05/2025
67	ENERGY PRESERVATION MEASURES	Ensure installation of regenerative type burners on all reheating furnaces.
PPs Submission: Not Complied Not Applicable		Date: 23/05/2025
68	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: 23/05/2025
69	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: 23/05/2025
70	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: 30/05/2025
71	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: Complied The waste oil, grease and other hazardous waste are being disposed of as per the Hazardous and Other waste (Management and Transboundary Movement) Rules, 2016.		Date: 30/05/2025
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 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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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@madhavkrgroup.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



मिसिल संख्या :- 9-PBB334/2020-CHA

दिनांक : 13.08.2020

सेवा में,

अतिरिक्त मुख्य सचिव (वन),
पंजाब सरकार, लघु सचिवालय,
सेक्टर-9, चण्डीगढ़।
(www.fcfl@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 नं० FCA0FC2P/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 12.05.20.20 द्वारा सैधांतिक स्वीकृति प्रदान की गई थी जिसकी अनुपालना रिपोर्ट नोडल अधिकारी के पत्र संख्या FCA0FC2P/47/2020-FCA दिनांक 04.08.2020 (ऑनलाइन पोर्टल) द्वारा प्राप्त होने के उपरान्त केन्द्र सरकार द्वारा उपर्युक्त उद्देश्य हेतु 0.0129 हेक्टेयर 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 काटे जायेंगे और काटे 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/- रुपये (Fifty six thousand fifty only) की राशि से 0.1 हेक्टेयर वन क्षेत्र में पौधे 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. बूझा कर्कट निपटान जारी योजना के अनुसार किया जायेगा।
- xii. अन्य कोई भी शर्त इस क्षेत्रीय कार्यालय द्वारा वन तथा वन्य जीव का संरक्षण, सुरक्षा तथा विकास के लिए समय - समय पर लगाई जा सकती है।

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

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

भवदीय,



(सी० डी० सिंह)

13/08/2020

उप-वन महानिदेशक (केन्द्रीय)

प्रतिलिपि:-

1. अपर वन महानिदेशक (वन), पर्यावरण परिवर्तन जलवायु एवं वन मंत्रालय, इन्दिरा पर्यावरण भवन, जोर बाग, अलीगंज, नई दिल्ली। (www.adgfc-mef@nic.in)
2. प्रधान मुख्य वन संरक्षक, पंजाब, फॉरेस्ट कॉम्प्लेक्स, सी०-68, एस० ए० एस० नगर, मोहाली, पंजाब। (www.pccfpunjab@gmail.com)
3. वन मण्डल अधिकारी, वन मण्डल Patiala पंजाब | (www.dfopta@gmail.com)
4. M/s Madhav Alloy Pvt. Ltd., Village Akalgarh, Amloh-Bhadson Rd., Near Toll Plaza District-Patiala, Punjab (www.madhavalloys12@gmail.com)

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

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 21st July, 2016

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

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

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

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

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

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

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

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

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

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

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

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

for integrating environmental and ecological considerations into it.

- (5) The Zonal Master Plan shall not impose any restriction on the approved existing land use, infrastructure and activities, unless so specified in this notification and the Zonal Master Plan shall factor in improvement of all infrastructure and activities to be more efficient and eco-friendly.
- (6) The Zonal Master Plan shall provide for restoration of denuded areas, conservation of existing water bodies, management of catchment areas, watershed management, groundwater management, soil and moisture conservation, needs of local community and such other aspects of ecology and environment that need attention.
- (7) The Zonal Master Plan shall demarcate all the existing worshipping places, village and urban settlements, types and kinds of forests, agricultural areas, fertile lands, green area, such as, parks and like places, horticultural areas, orchards, lakes and other water bodies.
- (8) The Zonal Master Plan shall regulate development in Eco-sensitive Zone so as to ensure eco-friendly development and livelihood security of local communities.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table

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

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

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

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

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

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

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

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

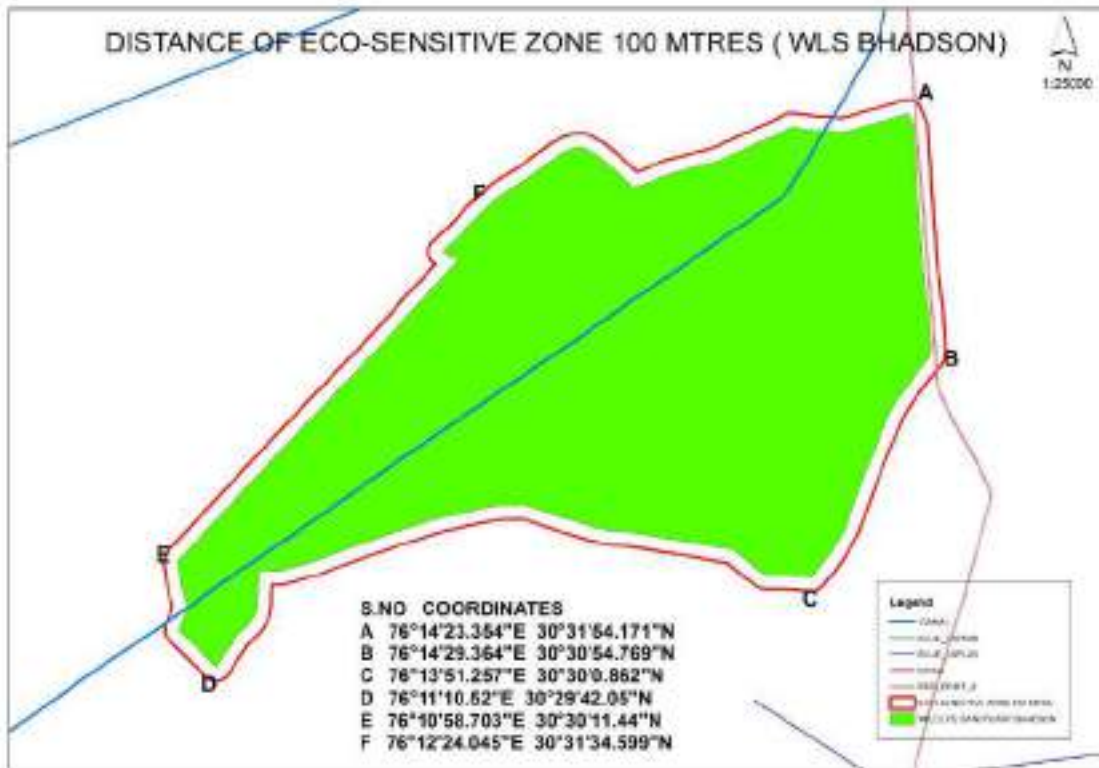
7. The provisions of this notification shall be subject to the orders, if any, passed, or to be passed by the Hon'ble Supreme Court of India or the High Court or the National Green Tribunal.

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

Dr. T. CHANDINI, Scientist 'G'

Annexure I

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



Co-ordinates of Bir Bhadson Wildlife Sanctuary

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

ANNEXURE-II

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

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

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

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

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

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

To No.: _____

Divisional Forest Officer (Wildlife)
Patiala.

Dated: _____

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

Reference Your letter No. 476 dated 15.5.2019

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

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

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

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

Endst. No. 1464-66 Dated: 20.5.2019

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

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

Handwritten signature
20/5/19

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



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



Office Dispatch No :
OCMMS/CTO(Air)/2025/002053

Registered/Speed Post

Date:

Industry Registration ID: R12PTA73369

Application No : 27828859

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

Subject: Renewal of Consent to Operate under section 21 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/2025/27828859
Date of issue :	17/03/2025
Date of expiry :	31/03/2029
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Renewal/FGS/2024/24960635 From:02/04/2024 To:31/03/2025

2. Particulars of the Industry

Name & Designation of the Applicant	Sudhir Goyal, (Director)
Address of Industrial premises	Madhav Krg Limited, Vill. Akalgarh, Amlloh Bhadson Road,near Toll Plaza, Amlloh,Fatehgarh Sahib-147203
Capital Investment of the Industry	27824.68 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/2024/24960635 dated 2/4/2024 valid upto 31/3/2025 under the Air (Prevention and Control of Pollution) Act, 1981 is hereby renewed upto 31/03/2029 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall install the water flow meter at the fresh supply of water leading to Galvanizing process within 7 days.
2. The industry shall maintain the record of fresh water consumption viz-a-viz trade effluent generated, treated in ETP, lifted to CETP operator on daily basis and shall submit the same in Regional Office Fatehgarh Sahib by 5th of each month.
3. The industry shall comply with guidelines for abstraction of ground water from the Punjab Water Regulation and Development Authority (PWRDA).
4. The industry shall develop the adequate plantation area in compliance of EC conditions in the upcoming plantation season.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOA/Renewal/FGS/2024/24960635 dated 2/4/2024 to the industry under the Air (Prevention & Control of Pollution) Act, 1981.



17/03/2025

**(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:

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.



17/03/2025

**(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 :
OCMMS/CTO(Water)/2025/002052

Registered/Speed Post

Date:

Industry Registration ID:

R12PTA73369

Application No :

27828810

To,
Sudhir Goyal
Madhav Krg Limited,village Akalgarh,amloh Bhadson Road,near Toll Plaza
Fatehgarhsahib,Fatehgarhsahib-147203
Subject: Renewal of Consent to Operate under section 25 of the Water (Prevention & 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/2025/27828810
Date of issue :	17/03/2025
Date of expiry :	31/03/2029
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Renewal/FGS/2024/24960741 From:02/04/2024 To:31/03/2025

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	27824.68 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/2024/24960741 dated 2/4/2024 valid upto 31/3/2025 under the Water (Prevention & Control of Pollution) Act, 1974 is hereby renewed upto 31/03/2029 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall install the water flow meter at the fresh supply of water leading to Galvanizing process within 7 days.
2. The industry shall maintain the record of fresh water consumption viz-a-viz trade effluent generated, treated in ETP, lifted to CETP operator on daily basis and shall submit the same in Regional Office Fatehgarh Sahib by 5th of each month.
3. The industry shall comply with guidelines for abstraction of ground water from the Punjab Water Regulation and Development Authority (PWRDA).
4. The industry shall develop the adequate plantation area in compliance of EC conditions in the upcoming plantation season.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOW/Renewal/FGS/2024/24960741 dated 2/4/2024 to the industry under the Water (Prevention & Control of Pollution) Act, 1974.



17/03/2025

**(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:

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.



17/03/2025

**(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



LiFE

Lifestyle for Environment

Office Dispatch No :
OCMMS/HWM/2025/003851

Registered/Speed Post

Date:

Industry Registration ID : R22PTA821818

Application No : 28187347

To,
Sudhir Goyal
Amloh-Bhadson Road Near Toll Plaza
Khanna, Ludhiana-147203

Subject: Renewal of Authorization for operating a facility for Generation, Storage, 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/2025/28187347
Previous Authorization No	HWM/Fresh/FGS/2024/26122403
Date of issue :	05/05/2025
Date of expiry :	31/03/2026
Previous Authorization Date of Issue :	27/11/2024
Previous Authorization Date of Expiry :	31/03/2025
Authorization Type :	renew

2. Particulars of the Industry

Name & Designation of the Applicant	Sudhir Goyal, (Director)
Address of Industrial premises	Madhav krg hrc pvt. ltd., Village akalgarh & bhagwanpura, amloh-bhadson road, near toll plaza, Fatehgarh sahib, Fatehgarh sahib-147103
Capital Investment of the Industry	58625.0 lakhs
Category of Industry	Orange
Type of Industry	2063-Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc furnace/submerged arc furnace /basic oxygen furnace /hot rolling reheated furnace
Scale of the Industry	Large
Office District	Fatehgarh sahib

"This is computer generated document from OCMMS by PPCB"

Madhav krg hrc pvt. ltd., Village akalgarh & bhagwanpura, amloh-bhadson road, near toll plaza, Fatehgarh sahib, Fatehgarh sahib-147103

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 Waste (Management, Handling & Transboundary movement) Rules, 2016.

The renewal of authorization granted to the industry vide no. HWM/Renew/FGS/2024/ 26122403 dated 27/11/2024 valid upto 31/3/2025 under the provisions of Hazardous Waste (Management, Handling & Transboundary movement) Rules, 2016 is hereby renewed upto 31/3/2026 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 apply for authorization before the expiry of previous authorization of Hazardous and Other Wastes (Management and Trans boundary 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 storage tank/container of the bazardous wastes should be in good condition and made of (or lined with) an appropriate material which does not react with the waste contained in it and can withstand the physical and environment conditions during storage and handling.
10. 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.
11. There should be sufficient & efficient provisions to avoid under ground water contamination from waste storage of hazardous wastes
12. The occupier shall be responsible for any damage of life/or property during storage of his waste and will obtain Public Liability Insurance, wherever applicable.
13. The occupier and operator of a facility also be liable to reinstate or restore damaged or destroyed elements of the environment at his cost, failing which the occupier or the operator of a facility, as the case may be, shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by the State Pollution Control Board.

All other contents shall remain unchanged. This letter shall remain appended with the authorization issued vide no. HWM/Renew/FGS/2024/ 26122403 dated 27/11/2024 to the industry under the Hazardous Waste (Management, Handling & Transboundary movement) Rules, 2016.



05/05/2025

(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:

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



05/05/2025

(Amit Kumar)
Environmental Engineer

For & on behalf
of

(Punjab Pollution Control Board)

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

Report No.	RBEL/2412/025AA	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AA
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C
		Min temp. 05°C
		Clear sky and wind direction west to north- east
6	Flow Rate of Sampling	0.5 LPM
7	Time Period for Sampling	480Minutes
8	Volume of Air Sampled	0.24 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	85	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	14	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	25	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Five particulate matter (PM _{2.5})	47	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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

(Authorized Signatory)



End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenviroresolution@gmail.com

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Page 1 of 1

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

Report No.	RBEL/2412/025AB	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AB
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C
		Min temp. 05°C
		Clear sky and wind direction west to north- 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)	83	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	16	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	29	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	40	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

- The test report refers only to tested sample and applicable parameters.
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- The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report

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

Report No.	RBEL/2412/025AK	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AK
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Flow Rate of Sampling	2.0 LPM
6	Time Period for Sampling	30 Minutes

Sr.N.	PARAMETERS	RESULTS	Standards	TEST METHOD
1.	Ammonia(NH4)	ND	18	NIOSH to 6015: 1994
2.	Lead (Pb)	0.10	50	IS 5182 (Part-22): 2004
3.	Nickel (Ni)	0.17	0.5	IS 5182 (Part-22): 2004
4.	Zinc Oxide(Total Dust)	0.29	15	OSHA, Method ID-143
	Respirable Fraction	0.106	05	OSHA, Method ID-143
5.	Cadmium(Cd)	ND	05	APHA 23rd Edition 2017-3111 B

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



End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

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Page 1 of 1

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

Report No.	RBEL/2412/025AD	Report Date	26.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AD
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C Min temp. 05°C Clear sky and wind direction west to north- 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)	90	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	19	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	32	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	52	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

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

Page 1 of 1

Report No.	RBEL/2412/025AC	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AC
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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 17°C
5	Environmental Condition
	Max temp. 21°C
	Min temp. 05°C
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: 2006
2.	Sulphur dioxide (SO ₂)	15	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	32	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	46	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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

End of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

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

Report No.	RBEL/2412/025AJ	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Pipe And Tube Plant	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AJ
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	10.08m/s
6	Sampling Duration	51min.
7	Ambient air temperature	17 °C
8	Stack temperature	119°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	25.9	IS 11255(Part -1): 1985

Note:

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



** End of Report **



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

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Page 1 of 1

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

Report No.	RBEL/2412/025AE	Report Date	20.12.2024
Your Ref. No	NIL	Type of sample	Ambient Noise
Sample Code Given by Customer	NIL	Date of Monitoring	13.12.2024
Sampling Location	Within Premises		
Sample Monitored By	Lab Person	Sample I.D.	RBEL/2412/025AE
Sampling procedure	As per SOP	Date of test	13.12.2024

Sr. No.	Location	Results dB(A)Leq	Standards dB(A)Leq	Test Method
1	Near Main Gate	69.5	75(DAY) As per Rule 2010	IS 9989 : 2008
2	Near Gate No-2/F.G Gate	64.6	75(DAY) As per Rule 2010	IS 9989 : 2008
3	Near Stack Area	71.0	75(DAY) As per Rule 2010	IS 9989 : 2008
4	Near Pipe and Tube Plant	73.1	75(DAY) As per Rule 2010	IS 9989 : 2008

Note:

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2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.



End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

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Page 1 of 1

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

Report No.	RBEL/2412/025AS	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-1	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AS
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	7.30	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	490	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l, Max	185	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂) mg/l, Max	130	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	56	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	68	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	19	30	100	IS 3025 (Part-45): 1993
8	Total Hardness (as CaCO ₃) mg/l, Max	170	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	70	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	11	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	30.5	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.42	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.58	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	2.2	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

Note: ND Denotes Not Detectable

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

Ed of Report





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Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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

Report No.	RBEL/2412/025BG	Report Date.	20.12.2024
Your Ref. No.	Nil		
Type of soil	Sandy loam and Brownish in colour	Type of sample	Soil Natural
		Quantity	5 Kg
		Date of sampling	13.12.2024
Sampling Location	Near Admin office	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025BG
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

SR. NO.	PARAMETERS	UNITS OF MEASUREMENT	RESULT	TEST METHODS
1.	Colour	----	Brownish	IS:2720
2.	pH	----	7.42	IS:2720(Pt.26)2007
3.	Conductivity (EC)	micro mhos/cm at 25°C (Soil Water Ratio- 1:2)	258	IS:14767-2000
4.	Moisture Content	%	16.8	USDA:1954/Reaff.2010 Page 107
5.	Bulk Density	gm/cm ³	1.10	USDA:1954/Reaff.2010 Page 121
6.	Water Holding Capacity(WHC)	%	31	USDA:1954/Reaff.2010 Page 39
7.	Texture	----	Sandy Loam	USDA:1954/Reaff.2010 Page 30
8.	Sand	%	53	USDA:1954/Reaff.2010 Page 30
9.	Silt	%	28	USDA:1954/Reaff.2010 Page 30
10.	Clay	%	19	USDA:1954/Reaff.2010 Page 30
11.	Organic Carbon	%	0.28	IS:2720:USDA-2010
12.	Total Kjeldahl Nitrogen(Available)	Kg/ha	42	IS:2720:USDA-2010
13.	Cation Exchange Capacity	%	0.05	USDA:1954/Reaff.2010 Page101 IS: 2720(Pt. 24)1976/Reaff.2005
14.	Available Nitrogen	Kg/ha	16	IS:2720:USDA-2010

Note:

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End of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

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

Report No.	RBEL/2412/025AI	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AI
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	10.58m/s
6	Sampling Duration	47 min.
7	Ambient air temperature	17 °C
8	Stack temperature	81 °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	18.4	50	IS 11255(Part -1): 1985

Note:

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(Authorized Signatory)

** End of Report **



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

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

Report No.	RBEL/2412/025AH	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD HCL / CGL	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AH
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.92m/s
6	Sampling Duration	50 min.
7	Ambient air temperature	17 °C
8	Stack temperature	74°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/m ³)	Limits (mg/m ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	16.5	50	IS 11255(Part -1): 1985
2.	Acid Mist(as HCL), mg/Nm ³	08	50	LAB SOP

Note:

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** End of Report **



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

Report No.	RBEL/2412/025AG	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	NEW	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises	Sample I.D.	RBEL/2412/025AG
Sample Collected By	Lab Person	Date of test	14.12.2024-20.12.2024
Sampling procedure	As per SCP		

TECHNICAL DATA

1	Instrument Used for Sampling	VSS!
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	10.64m/s
6	Sampling Duration	46min.
7	Ambient air temperature	17 °C
8	Stack temperature	130°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/m ³)	Limits (mg/m ³) CPCB-2010	TEST METHOD
1.	Particulate Matter. mg/Nm ³	10.2	50	IS:11255(Part-1): 1985

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(Authorized Signatory)

** End of Report **





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

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

Report No.	RBEL/2412/025AF	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AF
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.62m/s
6	Sampling Duration	50min.
7	Ambient air temperature	17 °C
8	Stack temperature	122°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	15.1	50	IS 11255(Part-1): 1985

Note:

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** End of Report **



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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

Report No.	RBEL/2412/025AR	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-2	Quantity	05 LITER
Sampling Location	Nil	Date of sampling	13.12.2024
Sample Collected By	Lab Person	Date of sample receipt	14.12.2024
Sampling procedure	As per SOP	Sample I.D.	RBEL/2412/025AR
		Date of test	14.12.2024-20.12.2024

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	6.58	6.5 - 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	372	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l ,Max	192	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂) mg/l, Max	98	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	24	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	44	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	12	30	100	IS 3025 (Part-45): 1993
8	Total Hardness(as CaCO ₃) mg/l, Max	140	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	41	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	06	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	21.5	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F ⁻) mg/l Max	0.2	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.27	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	2.2	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

Note: ND Denotes Not Detectable

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

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

Report No.	RBEL/2412/025AT	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-3	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AT
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	7.82	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	432	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l Max	170	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ⁻) mg/l, Max	121	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	49	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	58	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	22	30	100	IS 3025 (Part-45): 1993
8	Total Hardness/ as CaCO ₃ mg/l, Max	147	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	52	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	96	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	24.1	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.3	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.41	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	1.7	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

Note: ND Denotes Not Detectable

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

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

Report No.	RBEL/2412/025AU	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-1	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AU
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.10	6.5 - 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	492	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃)mg/l ,Max	198	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl), mg/l, Max	166	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	35	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	48	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	20	30	100	IS 3025 (Part-45): 1993
8	Total Hardness(as CaCO ₃) mg/l, Max	190	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	40	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	13	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	35.4	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.63	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4) : 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5) : 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-16) : 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8) : 2002
17	Iron (as Fe) mg/l Max	0.70	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	1.8	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

+91, 6239447329, 8437473298

Page 1 of 1

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

Report No.	RBEL/2412/025AV	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-2	Quantity	05 LITER
Sampling Location	Nil	Date of sampling	13.12.2024
Sample Collected By	Lab Person	Date of sample receipt	14.12.2024
Sampling procedure	As per SOP	Sample I.D.	RBEL/2412/025AV
		Date of test	14.12.2024-20.12.2024

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	8.07	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	478	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l Max	189	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂) mg/l Max	158	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l Max	61	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	63	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l Max	12	30	100	IS 3025 (Part-45): 1993
8	Total Hardness (as CaCO ₃) mg/l Max	192	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	48	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	13	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l Max	26.3	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.74	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.90	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	3.2	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S) mg/l Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

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Page 1 of 1

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

Report No.	RBEL/2412/025AW	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Surface Water
Sample Code Given by Customer	POND Water	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AW
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.17	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	580	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l ,Max	342	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂) mg/l Max	298	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l Max	140	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	63	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l Max	42	30	100	IS 3025 (Part-45): 1993
8	Total Hardness (as CaCO ₃) mg/l, Max	376	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	157	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	44	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	77.2	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F ⁻) mg/l Max	1.5	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	2.3	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	3.5	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

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

Report No.	RBEL/2412/025AO	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	STP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AO
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	7.63	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L	148	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L	640	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/l.	91	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L	380	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L	46	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/L	242	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	260	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.28	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25°C	955	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	8.6	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l	102	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	90	IS 3025 (Part-10): 2002

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End of Report

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

Report No.	RBEL/2412/025AP	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	STP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AP
Sampling procedure	As per SOP	Date of test	14.12.2024 - 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	7.75	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/l.	10	100	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/l.	652	2100	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	08	10	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/l.	30	50	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L.	05	10	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	204	...	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	262.3	...	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.10	03	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	973	...	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	0.22	05	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	92	...	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	09	...	IS 3025 (Part-10): 2002

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End of Report





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

Report No.	RBEL/2412/025AQ	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	STP Ro Reject Water
Sample Code given by customer	After RO	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AQ
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	7.30	IS 3025(Part-11) : 2002
2.	Total Suspended Solids, mg/L	ND	IS 3025 (Part-17) : 1984
3.	Conductivity, mhos/cm	1656	IS 3025 (Part-14) : 1984
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	IS 3025 (Part-44) : 2003
5.	Chemical Oxygen Demand, mg/L	06	IS 3025 (part-58) : 2006
6.	Phosphate as PO ₄ , mg/L	0.4	IS 3025 (Part-31) : 2003
7.	Residual Sodium Carbonate	0.25	Lab SOP
8.	Sodium Absorption ratio	24	By Calculation
9.	Ammonical Nitrogen(as N)	ND	IS 3025 (Part-34) : 2009
10.	Total Nitrogen	ND	IS:3025 (Part-34) : 2003
11.	Faecal Coliform as MPN	<01	IS 1622 : 2003

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End of Report



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

Report No.	RBEL/2412/025AL	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AL
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	3.12	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L	92	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L	1630	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	202	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L	740	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L	27	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/L	120	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	286	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	47	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	2432	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l,	162	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	44	IS 3025 (Part-10): 2002

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End of Report

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

Report No.	RBEL/2412/025AM	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AM
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	8.43	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L.	08	100	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L.	1120	2100	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	07	30	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L.	60	250	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L.	2.5	10	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	102	...	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	215.2	...	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.3	03	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	1672	...	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	05	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	55	...	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	< 01	...	IS 3025 (Part-10): 2002

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End of Report





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

Report No.	RBEL/2412/025AN	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP RO Reject Water
Sample Code given by customer	After RO	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AN
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	8.16	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/l.	ND	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/l.	2017	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	BDL	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L.	02	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/l.	ND	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	340	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l.	372	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l.	0.21	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	3034	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	277	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	<01	IS 3025 (Part-10): 2002

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End of Report





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

Report No.	RBEL/2412/025AX	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (D.G.SET)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Utility Pipe & Tube Plant		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AX
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	D.G. Set (200 KVA) I No. Stack Attached to D.G. Set		
Engine S. No	84899775	Model Name.	CUMMINS
Mfg. Year	24.09.2023	Fuel Used	H.S.D
		Type & Qty. of fuel used (lit/hr.)	17 Liter/hr
Velocity of Flue Gases	9.52 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	48 Min
Stack Height	20 feet	Stack Temperature	141°C
Diameter of Stack	6 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/Kw-hr	0.11	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.35	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.40	≤3.5	IS 13270 : 1992

Note:

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

** End of Report **



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

Report No.	RBEL/2412/025AY	Report Date	20.12.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET
Sampling Location	Utility Pipe & Tube Plant	Date of Monitoring	13.12.2024
Sample Monitored by	Lab Person	Sample I.D.	RBEL/2412/025AY
Sampling Procedure	As per SOP		

Instrument Used for Sampling	NOISE METER
Source	D.G. Set (200 KVA)
Engine S. No	84899775
Mfg. Year:	24.09.2023
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		
I	Average Noise levels measured at different points at 1.0 m from the enclosure surface	73.2	75	IS 4758: 2002

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

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

End of Report



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

Report No.	RBEL/2412/025AZ	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (D.G.SET-1)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Compressor Room	Sample I.D.	RBEL/2412/025AZ
Sample Collected By	Lab Person	Date of Test	14.12.2024 - 20.12.2024
Sampling procedure	As per SOP		

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	D.G. Set (600 KVA) I No. Stack Attached to D.G. Set		
Engine S. No	JZB01040	Model Name.	Caterpillar
Mfg. Year	---	Fuel Used	H.S.D
		Type & Qty. of fuel used (l/hr.)	17 Liter/hr
Velocity of Flue Gases	10.28 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	45Min
Stack Height	25 feet	Stack Temperature	246°C
Diameter of Stack	8 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kW-hr	0.17	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.39	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.48	≤3.5	IS 13270 : 1992

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**** End of Report ****

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

Report No.	RBEL/2412/025BA	Report Date	20.12.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET-I
Sampling Location	Compressor Room	Date of Monitoring	13.12.2024
Sample Monitored by	Lab Person	Sample I.D.	RBEL/2412/025BA
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	74.4	75	IS 4758: 2002

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

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****End of Report****



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

Report No.	RBEL/2412/025BB	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (D.G.SET-2)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Compressor Room		
Sample Collected By	Lab Person	Sample ID.	RBEL/2412/025BB
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	D.G. Set (600 KVA) 1 No. Stack Attached to D.G. Set		
Engine S. No	JZB01083	Model Name.	Caterpillar
Mfg. Year	...	Fuel Used	H.S.D
		Type & Qty. of fuel used (lt/hr.)	17 Liter/hr
Velocity of Flue Gases	10.34 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17 °C	Sampling Time	50 Min
Stack Height	25 feet	Stack Temperature	253°C
Diameter of Stack	8 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kW-hr	0.16	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.43	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.38	≤3.5	IS 13270 : 1992

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** End of Report **





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

Report No.	RBEL/2412/025BC	Report Date	20.12.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET-2
Sampling Location	Compressor Room	Date of Monitoring	13.12.2024
Sample Monitored by	Lab Person	Sample I.D.	RBEL/2412/025BC
Sampling Procedure	As per SOP		

Instrument Used for Sampling	NOISE METER
Source	D.G. Set (600 KVA)
Engine S. No	JZB01083
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	74.7	75	IS 4758: 2002

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

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****End of Report****





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali
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To
M/s Madhav KRG Limited,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

Report No.	RBEL/2412/025BD	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (Fire-Engine)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Pump House SMS	Sample I.D.	RBEL/2412/025BD
Sample Collected By	Lab Person		
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	Fire-Engine (62.5 KW) I No. Stack Attached to Fire-Engine		
Engine S. No	HH.2709.16/1920050	Model Name.	Kirloskar
Mfg. Year	...	Fuel Used	H.S.D
		Type & Qty. of fuel used (lit/hr.)	66-07 Liter/hr
Velocity of Flue Gases	9.61 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	51 Min
Stack Height	15 feet	Stack Temperature	85°C
Diameter of Stack	3 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kw-hr	0.09	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/kw-hr	0.15	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/kw-hr	0.28	≤3.5	IS 13270 : 1992

Note:

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** End of Report **





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Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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

Report No.	RBEL/2412/025BE	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (Fire-Engine)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Pump House SMS		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025BE
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	Fire-Engine (14.7 KW) I No. Stack Attached to Fire-Engine		
Engine S. No	D4 2009/1500029	Model Name.	Kirloskar
Mfg. Year	---	Fuel Used	H.S.D
		Type & Qty. of fuel used (lit/hr.)	03 Liter/hr
Velocity of Flue Gases	9.3 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	45 Min
Stack Height	15 feet	Stack Temperature	68°C
Diameter of Stack	2.5 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kW-hr	0.15	<0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.25	<4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.36	<3.5	IS 13270 : 1992

Note:

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

** End of Report **





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

Report No.	RBEL/2412/025BF	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (Fire-Engine)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Pump House SMS		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025BF
Sampling procedure	As per SCP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	Fire-Engine (58 KW) No. Stack Attached to Fire-Engine		
Engine S. No	6H.2203.10/1100018	Model Name.	Kirloskar
Mfg. Year	...	Fuel Used	H.S.D
		Type & Qty. of fuel used (lit/hr.)	06-07 Liter/hr
Velocity of Flue Gases	9.44 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	52Min
Stack Height	15 feet	Stack Temperature	88°C
Diameter of Stack	3 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kw-hr	0.13	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.27	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.34	≤3.5	IS 13270 : 1992

Note:

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

** End of Report **



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

Report No.	RBEL/2412/025AK	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AK
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Flow Rate of Sampling	2.0 LPM
6	Time Period for Sampling	30 Minutes

Sr.N.	PARAMETERS	RESULTS	Standards	TEST METHOD
1.	Ammonia(NH4)	ND	18	NIOSH to 6015: 1994
2.	Lead (Pb)	0.10	50	IS 5182 (Part-22): 2004
3.	Nickel (Ni)	0.17	0.5	IS 5182 (Part-22): 2004
4.	Zinc Oxide(Total Dust)	0.29	15	OSHA, Method ID-143
	Respirable Fraction	0.106	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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3. The sample will be destroyed after thirty days from the date of issue of test report unless otherwise specified.



End of Report

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

Report No.	RBEL/2412/025AA	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AA
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C
		Min temp. 05°C
		Clear sky and wind direction west to north- east
6	Flow Rate of Sampling	0.5 LPM
7	Time Period for Sampling	480Minutes
8	Volume of Air Sampled	0.24 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	85	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	14	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	25	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Five particulate matter (PM _{2.5})	47	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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

(Authorized Signatory)



End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

Report No.	RBEL/2412/025AB	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AB
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C
		Min temp. 05°C
		Clear sky and wind direction west to north- 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)	83	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	16	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	29	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	40	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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Page 1 of 1

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

Report No.	RBEL/2412/025AD	Report Date	26.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AD
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C Min temp. 05°C Clear sky and wind direction west to north- 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)	90	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	19	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	32	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	52	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

Page 1 of 1

Report No.	RBEL/2412/025AC	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AC
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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 17°C	
5	Environmental Condition Max temp. 21°C Min temp. 05°C Clear sky and wind direction west to north- 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: 2006
2.	Sulphur dioxide (SO ₂)	15	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	32	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	46	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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End of Report



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

Report No.	RBEL/2412/025AL	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AL
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	3.12	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L	92	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L	1630	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	202	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L	740	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L	27	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	120	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	286	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	47	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	2432	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l,	162	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	44	IS 3025 (Part-10): 2002

Note: ND Denotes Not Detectable

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End of Report

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

Report No.	RBEL/2412/025AM	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AM
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	8.43	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L.	08	100	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L.	1120	2100	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	07	30	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L.	60	250	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L.	2.5	10	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	102	...	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	215.2	...	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.3	03	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	1672	...	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	05	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	55	...	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	< 01	...	IS 3025 (Part-10): 2002

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End of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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Page 1 of 1

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

Report No.	RBEL/2412/025AU	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-1	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AU
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.10	6.5 - 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	492	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃)mg/l ,Max	198	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂), mg/l, Max	166	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	35	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	48	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	20	30	100	IS 3025 (Part-45): 1993
8	Total Hardness(as CaCO ₃) mg/l, Max	190	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	40	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	13	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	35.4	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.63	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4) : 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5) : 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-16) : 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8) : 2002
17	Iron (as Fe) mg/l Max	0.70	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	1.8	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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Page 1 of 1

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

Report No.	RBEL/2412/025AV	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-2	Quantity	05 LITER
Sampling Location	Nil	Date of sampling	13.12.2024
Sample Collected By	Lab Person	Date of sample receipt	14.12.2024
Sampling procedure	As per SOP	Sample I.D.	RBEL/2412/025AV
		Date of test	14.12.2024-20.12.2024

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	8.07	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	478	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l, Max	189	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂) mg/l, Max	158	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	61	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	63	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	12	30	100	IS 3025 (Part-45): 1993
8	Total Hardness (as CaCO ₃) mg/l, Max	192	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	48	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	13	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	26.3	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.74	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.90	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	3.2	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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Page 1 of 1

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

Report No.	RBEL/2412/025AO	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	STP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AO
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	7.63	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L	148	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L	640	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/l.	91	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L	380	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L	46	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/L	242	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	260	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.28	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25°C	955	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	8.6	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l	102	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	90	IS 3025 (Part-10): 2002

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End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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Page 1 of 1

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

Report No.	RBEL/2412/025AP	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	STP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AP
Sampling procedure	As per SOP	Date of test	14.12.2024 - 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	7.75	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/l.	10	100	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/l.	652	2100	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	08	10	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/l.	30	50	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L.	05	10	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	204	...	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	262.3	...	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.10	03	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	973	...	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	0.22	05	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	92	...	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	09	...	IS 3025 (Part-10): 2002

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End of Report



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

Report No.	RBEL/2412/025AL	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AL
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	3.12	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L	92	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L	1630	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	202	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L	740	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L	27	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/L	120	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	286	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	47	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	2432	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l,	162	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	44	IS 3025 (Part-10): 2002

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



End of Report

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

Report No.	RBEL/2412/025AM	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AM
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	8.43	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L.	08	100	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L.	1120	2100	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	07	30	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L.	60	250	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L.	2.5	10	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	102	...	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	215.2	...	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.3	03	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	1672	...	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	05	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	55	...	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	< 01	...	IS 3025 (Part-10): 2002

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End of Report



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



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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

Report No.	RBEL/2412/025AE	Report Date	20.12.2024
Your Ref. No	NIL	Type of sample	Ambient Noise
Sample Code Given by Customer	NIL	Date of Monitoring	13.12.2024
Sampling Location	Within Premises		
Sample Monitored By	Lab Person	Sample I.D.	RBEL/2412/025AE
Sampling procedure	As per SOP	Date of test	13.12.2024

Sr. No.	Location	Results dB(A)Leq	Standards dB(A)Leq	Test Method
1	Near Main Gate	69.5	75(DAY) As per Rule 2010	IS 9989 : 2008
2	Near Gate No-2/F.G Gate	64.6	75(DAY) As per Rule 2010	IS 9989 : 2008
3	Near Stack Area	71.0	75(DAY) As per Rule 2010	IS 9989 : 2008
4	Near Pipe and Tube Plant	73.1	75(DAY) As per Rule 2010	IS 9989 : 2008

Note:

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End of Report

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

Report No.	RBEL/2412/025AY	Report Date	20.12.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET
Sampling Location	Utility Pipe & Tube Plant	Date of Monitoring	13.12.2024
Sample Monitored by	Lab Person	Sample I.D.	RBEL/2412/025AY
Sampling Procedure	As per SOP		

Instrument Used for Sampling	NOISE METER
Source	D.G. Set (200 KVA)
Engine S. No	84899775
Mfg. Year:	24.09.2023
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		
I	Average Noise levels measured at different points at 1.0 m from the enclosure surface	73.2	75	IS 4758: 2002

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

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End of Report



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

Report No.	RBEL/2412/025AA	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AA
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C
		Min temp. 05°C
		Clear sky and wind direction west to north- east
6	Flow Rate of Sampling	0.5 LPM
7	Time Period for Sampling	480Minutes
8	Volume of Air Sampled	0.24 m ³

Sr.N.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1.	Respirable suspended particulate matter(PM ₁₀)	85	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	14	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	25	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Five particulate matter (PM _{2.5})	47	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

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(Authorized Signatory)



End of Report



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

Report No.	RBEL/2412/025AB	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AB
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C
		Min temp. 05°C
		Clear sky and wind direction west to north- 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)	83	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	16	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	29	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	40	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

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End of Report

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

Report No.	RBEL/2412/025AK	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AK
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Flow Rate of Sampling	2.0 LPM
6	Time Period for Sampling	30 Minutes

Sr.N.	PARAMETERS	RESULTS	Standards	TEST METHOD
1.	Ammonia(NH4)	ND	18	NIOSH to 6015: 1994
2.	Lead (Pb)	0.10	50	IS 5182 (Part-22): 2004
3.	Nickel (Ni)	0.17	0.5	IS 5182 (Part-22): 2004
4.	Zinc Oxide(Total Dust)	0.29	15	OSHA, Method ID-143
	Respirable Fraction	0.106	05	OSHA, Method ID-143
5.	Cadmium(Cd)	ND	05	APHA 23rd Edition 2017-3111 B

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End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

Report No.	RBEL/2412/025AD	Report Date	26.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AD
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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	17°C
5	Environmental Condition	Max temp. 21°C Min temp. 05°C Clear sky and wind direction west to north- 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)	90	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	19	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	32	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	52	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

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End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

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

Page 1 of 1

Report No.	RBEL/2412/025AC	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of Sample Receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AC
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

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 17°C
5	Environmental Condition Max temp. 21°C
	Min temp. 05°C
	Clear sky and wind direction west to north- 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: 2006
2.	Sulphur dioxide (SO ₂)	15	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	32	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	46	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Benzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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End of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

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Page 1 of 1

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

Report No.	RBEL/2412/025AJ	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Pipe And Tube Plant	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AJ
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024
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	10.08m/s	
6	Sampling Duration	51min.	
7	Ambient air temperature	17 °C	
8	Stack temperature	119°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	25.9	IS 11255(Part -1): 1985

Note:

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** End of Report **



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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Page 1 of 1

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

Report No.	RBEL/2412/025AE	Report Date	20.12.2024
Your Ref. No	NIL	Type of sample	Ambient Noise
Sample Code Given by Customer	NIL	Date of Monitoring	13.12.2024
Sampling Location	Within Premises		
Sample Monitored By	Lab Person	Sample I.D.	RBEL/2412/025AE
Sampling procedure	As per SOP	Date of test	13.12.2024

Sr. No.	Location	Results dB(A)Leq	Standards dB(A)Leq	Test Method
1	Near Main Gate	69.5	75(DAY) As per Rule 2010	IS 9989 : 2008
2	Near Gate No-2/F.G Gate	64.6	75(DAY) As per Rule 2010	IS 9989 : 2008
3	Near Stack Area	71.0	75(DAY) As per Rule 2010	IS 9989 : 2008
4	Near Pipe and Tube Plant	73.1	75(DAY) As per Rule 2010	IS 9989 : 2008

Note:

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End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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Page 1 of 1

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

Report No.	RBEL/2412/025AS	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-1	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AS
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	7.30	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	490	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l, Max	185	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂) mg/l, Max	130	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	56	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	68	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	19	30	100	IS 3025 (Part-45): 1993
8	Total Hardness (as CaCO ₃) mg/l, Max	170	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	70	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	11	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	30.5	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.42	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.58	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	2.2	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

Note: ND Denotes Not Detectable

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Ed of Report





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Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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GSTIN: 03AANCR1768G1Z9, Email: rbenviroresolution@gmail.com Page 1 of 1

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

Report No.	RBEL/2412/025BG	Report Date.	20.12.2024
Your Ref. No.	Nil		
Type of soil	Sandy loam and Brownish in colour	Type of sample	Soil Natural
		Quantity	5 Kg
		Date of sampling	13.12.2024
Sampling Location	Near Admin office	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025BG
Sampling procedure	As per SOP	Date of test	14.12.2024 to 20.12.2024

SR. NO.	PARAMETERS	UNITS OF MEASUREMENT	RESULT	TEST METHODS
1.	Colour	----	Brownish	IS:2720
2.	pH	----	7.42	IS:2720(Pt.26)2007
3.	Conductivity (EC)	micro mhos/cm at 25°C (Soil Water Ratio- 1:2)	258	IS:14767-2000
4.	Moisture Content	%	16.8	USDA:1954/Reaff.2010 Page 107
5.	Bulk Density	gm/cm ³	1.10	USDA:1954/Reaff.2010 Page 121
6.	Water Holding Capacity(WHC)	%	31	USDA:1954/Reaff.2010 Page 39
7.	Texture	----	Sandy Loam	USDA:1954/Reaff.2010 Page 30
8.	Sand	%	53	USDA:1954/Reaff.2010 Page 30
9.	Silt	%	28	USDA:1954/Reaff.2010 Page 30
10.	Clay	%	19	USDA:1954/Reaff.2010 Page 30
11.	Organic Carbon	%	0.28	IS:2720:USDA-2010
12.	Total Kjeldahl Nitrogen(Available)	Kg/ha	42	IS:2720:USDA-2010
13.	Cation Exchange Capacity	%	0.05	USDA:1954/Reaff.2010 Page101 IS: 2720(Pt. 24)1976/Reaff.2005
14.	Available Nitrogen	Kg/ha	16	IS:2720:USDA-2010

Note:

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End of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

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

Report No.	RBEL/2412/025AI	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AI
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	10.58m/s
6	Sampling Duration	47 min.
7	Ambient air temperature	17 °C
8	Stack temperature	81 °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	18.4	50	IS 11255(Part -1): 1985

Note:

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(Authorized Signatory)

** End of Report **



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

Report No.	RBEL/2412/025AH	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD HCL / CGL	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AH
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.92m/s
6	Sampling Duration	50 min.
7	Ambient air temperature	17 °C
8	Stack temperature	74°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/m ³)	Limits (mg/m ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	16.5	50	IS 11255(Part -1): 1985
2.	Acid Mist(as HCL), mg/Nm ³	08	50	LAB SOP

Note:

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** End of Report **



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

Report No.	RBEL/2412/025AG	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	NEW	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises	Sample I.D.	RBEL/2412/025AG
Sample Collected By	Lab Person	Date of test	14.12.2024-20.12.2024
Sampling procedure	As per SCP		

TECHNICAL DATA

1	Instrument Used for Sampling	VSS!
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	10.64m/s
6	Sampling Duration	46min.
7	Ambient air temperature	17 °C
8	Stack temperature	130°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/m ³)	Limits (mg/m ³) CPCB-2010	TEST METHOD
1.	Particulate Matter. mg/Nm ³	10.2	50	IS:11255(Part-1): 1985

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(Authorized Signatory)

** End of Report **





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

Report No.	RBEL/2412/025AF	Report Date	20.12.2024
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD	Date of sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AF
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.62m/s
6	Sampling Duration	50min.
7	Ambient air temperature	17 °C
8	Stack temperature	122°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	15.1	50	IS 11255(Part-1): 1985

Note:

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** End of Report **



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

Report No.	RBEL/2412/025AR	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-2	Quantity	05 LITER
Sampling Location	Nil	Date of sampling	13.12.2024
Sample Collected By	Lab Person	Date of sample receipt	14.12.2024
Sampling procedure	As per SOP	Sample I.D.	RBEL/2412/025AR
		Date of test	14.12.2024-20.12.2024

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	6.58	6.5 - 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	372	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l ,Max	192	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ⁻) mg/l, Max	98	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	24	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	44	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	12	30	100	IS 3025 (Part-45): 1993
8	Total Hardness(as CaCO ₃) mg/l, Max	140	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	41	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	06	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	21.5	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F ⁻) mg/l Max	0.2	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.27	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	2.2	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

Note: ND Denotes Not Detectable

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RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

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

Report No.	RBEL/2412/025AT	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Borewell Water
Sample Code Given by Customer	Borewell-3	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AT
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	7.82	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	432	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l Max	170	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ⁻) mg/l, Max	121	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	49	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	58	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	22	30	100	IS 3025 (Part-45): 1993
8	Total Hardness/ as CaCO ₃ mg/l, Max	147	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	52	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	96	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	24.1	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.3	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.41	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	1.7	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

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

Report No.	RBEL/2412/025AU	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-1	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AU
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.10	6.5 - 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	492	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃)mg/l ,Max	198	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl), mg/l, Max	166	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	35	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	48	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l, Max	20	30	100	IS 3025 (Part-45): 1993
8	Total Hardness(as CaCO ₃) mg/l, Max	190	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	40	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	13	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	35.4	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.63	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4) : 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5) : 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-16) : 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8) : 2002
17	Iron (as Fe) mg/l Max	0.70	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	1.8	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

+91, 6239447329, 8437473298

Page 1 of 1

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

Report No.	RBEL/2412/025AV	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-2	Quantity	05 LITER
Sampling Location	Nil	Date of sampling	13.12.2024
Sample Collected By	Lab Person	Date of sample receipt	14.12.2024
Sampling procedure	As per SOP	Sample I.D.	RBEL/2412/025AV
		Date of test	14.12.2024-20.12.2024

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	8.07	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	478	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l Max	189	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂) mg/l Max	158	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l Max	61	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	63	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l Max	12	30	100	IS 3025 (Part-45): 1993
8	Total Hardness (as CaCO ₃) mg/l Max	192	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	48	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	13	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l Max	26.3	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F) mg/l Max	0.74	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	-----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	-----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	0.90	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	3.2	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S) mg/l Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

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Page 1 of 1

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

Report No.	RBEL/2412/025AW	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	Surface Water
Sample Code Given by Customer	POND Water	Quantity	05 LITER
		Date of sampling	13.12.2024
Sampling Location	Nil	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AW
Sampling procedure	As per SOP	Date of test	14.12.2024-20.12.2024

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	8.17	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2022
2	Total Dissolved Solids mg/l Max	580	500	2000	IS 3025 (Part-16): 2023
3	Alkalinity (as CaCO ₃) mg/l ,Max	342	200	600	IS 3025 (Part-23): 2023
4	Chloride (as Cl ₂) mg/l Max	298	250	1000	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l Max	140	200	400	IS 3025 (Part-24/Sec1): 2022
6	Calcium (as Ca) mg/l Max	63	75	200	IS 3025 (Part-45): 1993
7	Magnesium (as Mg) mg/l Max	42	30	100	IS 3025 (Part-45): 1993
8	Total Hardness (as CaCO ₃) mg/l, Max	376	200	600	IS 3025 (Part-45): 1993
9	Sodium (as Na) mg/l Max	157	-	-	IS 3025 (Part-45): 1993
10	Potassium (as K) mg/l Max	44	-	-	IS 3025 (Part-45): 1993
11	Nitrate (as NO ₃) mg/l, Max	77.2	45	No relaxation	IS 3025 (Part-34/Sec4): 2022
12	Fluoride (as F ⁻) mg/l Max	1.5	1.0	1.5	IS 3025 (Part-60): 2023
13	Colour, Hazen unit, max	<1	5	25	IS 3025 (Part-4): 1983
14	Odour	Agreeable	Agreeable	----	IS 3025 (Part-5): 2002
15	Turbidity, NTU max	<1	5	10	IS 3025 (Part-10): 2002
16	Taste	Agreeable	Agreeable	----	IS 3025 (Part-8): 2002
17	Iron (as Fe) mg/l Max	2.3	1.0	No relaxation	IS 3025 (Part-53): 2024
18	Boron (as B) mg/l Max	ND	0.5	1.0	IS 3025 (Part-57): 2005
19	Manganese (as Mn) mg/l Max	ND	0.1	0.3	IS 3025 (Part-59): 2006
20	Zinc (as Zn) mg/l Max	3.5	5	15	IS 3025 (Part-49): 1994
21	Copper (as Cu) mg/l Max	ND	0.05	1.5	IS 3025 (Part-42): 1992
22	Cadmium (as Cd) mg/l Max	ND	0.003	No relaxation	IS 3025 (Part-41): 1992
23	Lead (as Pb) mg/l Max	ND	0.01	No relaxation	IS 3025 (Part-47): 1994
24	Arsenic (as As) mg/l	ND	0.01	No relaxation	IS 3025 (Part-37): 1988
25	Chromium (as Cr) mg/l Max	ND	0.05	No relaxation	IS 3025 (Part-52): 2003
26	Sulphide (as H ₂ S), mg/l, Max	ND	0.05	No relaxation	APHA 23 rd Edition 2017-4500 D

Bacteriological examination:-

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

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Ed of Report

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G1Z9, Email: rbenvirosolution@gmail.com

+91, 6239447329, 8437473298

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

Report No.	RBEL/2412/025AO	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	STP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AO
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	7.63	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L	148	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L	640	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/l.	91	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L	380	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L	46	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/L	242	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	260	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.28	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25°C	955	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	8.6	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l	102	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	90	IS 3025 (Part-10): 2002

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End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

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Page 1 of 1

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

Report No.	RBEL/2412/025AP	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	STP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AP
Sampling procedure	As per SOP	Date of test	14.12.2024 - 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	7.75	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/l.	10	100	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/l.	652	2100	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	08	10	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/l.	30	50	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L.	05	10	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	204	...	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	262.3	...	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.10	03	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	973	...	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	0.22	05	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	92	...	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	09	...	IS 3025 (Part-10): 2002

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End of Report





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Page 1 of 1

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

Report No.	RBEL/2412/025AQ	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	STP Ro Reject Water
Sample Code given by customer	After RO	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AQ
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	7.30	IS 3025(Part-11) : 2002
2.	Total Suspended Solids, mg/L	ND	IS 3025 (Part-17) : 1984
3.	Conductivity, mhos/cm	1656	IS 3025 (Part-14) : 1984
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	ND	IS 3025 (Part-44) : 2003
5.	Chemical Oxygen Demand, mg/L	06	IS 3025 (part-58) : 2006
6.	Phosphate as PO ₄ , mg/L	0.4	IS 3025 (Part-31) : 2003
7.	Residual Sodium Carbonate	0.25	Lab SOP
8.	Sodium Absorption ratio	24	By Calculation
9.	Ammonical Nitrogen(as N)	ND	IS 3025 (Part-34) : 2009
10.	Total Nitrogen	ND	IS:3025 (Part-34) : 2003
11.	Faecal Coliform as MPN	<01	IS 1622 : 2003

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End of Report



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

Report No.	RBEL/2412/025AL	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AL
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	3.12	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L	92	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L	1630	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	202	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L	740	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/l.	27	IS 3025 (Part-38): 2023
7.	Total Hardness(as CaCO ₃) mg/l.	120	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	286	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	47	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	2432	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l,	162	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	44	IS 3025 (Part-10): 2002

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End of Report

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

Report No.	RBEL/2412/025AM	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AM
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH	8.43	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/L.	08	100	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/L.	1120	2100	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	07	30	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L.	60	250	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/L.	2.5	10	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	102	...	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	215.2	...	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l	0.3	03	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	1672	...	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	05	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	55	...	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	< 01	...	IS 3025 (Part-10): 2002

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End of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

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

Report No.	RBEL/2412/025AN	Report Date	20.12.2024
Your Ref. No.	Nil	Type of sample	ETP RO Reject Water
Sample Code given by customer	After RO	Quantity	2 LITER
		Date of sampling	13.12.2024
Sampling Location	Within Premises	Date of sample receipt	14.12.2024
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AN
Sampling procedure	As per SOP	Date of test	14.12.2024- 20.12.2024

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	8.16	IS 3025 (Part-11): 2022
2.	Total Suspended Solids, mg/l.	ND	IS 3025 (Part-17): 2022
3.	Total Dissolved Solid, mg/l.	2017	IS 3025 (Part-16): 2023
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L.	BDL	IS 3025 (Part-44): 1993
5.	Chemical Oxygen Demand, mg/L.	02	IS 3025 (Part-58): 2023
6.	Oil and Grease, mg/l.	ND	IS 3025 (Part-38): 2023
7.	Total Hardness (as CaCO ₃) mg/l.	340	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l.	372	IS 3025 (Part-23): 2023
9.	Iron (as Fe) mg/l.	0.21	IS 3025 (Part-53): 2024
10.	Conductivity, micro mhos/cm at 25° C	3034	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l.	277	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	<01	IS 3025 (Part-10): 2002

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End of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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Page 1 of 1

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

Report No.	RBEL/2412/025AX	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (D.G.SET)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Utility Pipe & Tube Plant		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025AX
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	D.G. Set (200 KVA) I No. Stack Attached to D.G. Set		
Engine S. No	84899775	Model Name.	CUMMINS
Mfg. Year	24.09.2023	Fuel Used	H.S.D
		Type & Qty. of fuel used (lit/hr.)	17 Liter/hr
Velocity of Flue Gases	9.52 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	48 Min
Stack Height	20 feet	Stack Temperature	141°C
Diameter of Stack	6 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/Kw-hr	0.11	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.35	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.40	≤3.5	IS 13270 : 1992

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** End of Report **



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

Report No.	RBEL/2412/025AY	Report Date	20.12.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET
Sampling Location	Utility Pipe & Tube Plant	Date of Monitoring	13.12.2024
Sample Monitored by	Lab Person	Sample I.D.	RBEL/2412/025AY
Sampling Procedure	As per SOP		

Instrument Used for Sampling	NOISE METER
Source	D.G. Set (200 KVA)
Engine S. No	84899775
Mfg. Year:	24.09.2023
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		
I	Average Noise levels measured at different points at 1.0 m from the enclosure surface	73.2	75	IS 4758: 2002

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

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

End of Report





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

+91, 6239447329, 8437473298

Page 1 of 1

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

Report No.	RBEL/2412/025AZ	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (D.G.SET-1)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Compressor Room	Sample I.D.	RBEL/2412/025AZ
Sample Collected By	Lab Person		
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	D.G. Set (600 KVA) I No. Stack Attached to D.G. Set		
Engine S. No	JZB01040	Model Name.	Caterpillar
Mfg. Year	---	Fuel Used	H.S.D
		Type & Qty. of fuel used (l/hr.)	17 Liter/hr
Velocity of Flue Gases	10.28 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	45Min
Stack Height	25 feet	Stack Temperature	246°C
Diameter of Stack	8 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kW-hr	0.17	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.39	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.48	≤3.5	IS 13270 : 1992

Note:

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

** End of Report **

(Authorized Signatory)





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

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Page 1 of 1

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

Report No.	RBEL/2412/025BA	Report Date	20.12.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET-I
Sampling Location	Compressor Room	Date of Monitoring	13.12.2024
Sample Monitored by	Lab Person	Sample I.D.	RBEL/2412/025BA
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	74.4	75	IS 4758: 2002

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

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

End of Report



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

Report No.	RBEL/2412/025BB	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (D.G.SET-2)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Compressor Room		
Sample Collected By	Lab Person	Sample ID.	RBEL/2412/025BB
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	D.G. Set (600 KVA) 1 No. Stack Attached to D.G. Set		
Engine S. No	JZB01083	Model Name.	Caterpillar
Mfg. Year	...	Fuel Used	H.S.D
		Type & Qty. of fuel used (lt/hr.)	17 Liter/hr
Velocity of Flue Gases	10.34 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17 °C	Sampling Time	50 Min
Stack Height	25 feet	Stack Temperature	253°C
Diameter of Stack	8 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kW-hr	0.16	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.43	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.38	≤3.5	IS 13270 : 1992

Note:

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

** End of Report **





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohall

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

+91, 6239447329, 8437473298

Page 1 of 1

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

Report No.	RBEL/2412/025BC	Report Date	20.12.2024
Ref. No.	Nil		
Sample Code Given by Customer	Nil	Type of Sample	NOISE MONITORING FOR D.G.SET-2
Sampling Location	Compressor Room	Date of Monitoring	13.12.2024
Sample Monitored by	Lab Person	Sample I.D.	RBEL/2412/025BC
Sampling Procedure	As per SOP		

Instrument Used for Sampling	NOISE METER
Source	D.G. Set (600 KVA)
Engine S. No	JZB01083
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	74.7	75	IS 4758: 2002

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

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****End of Report****





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalk City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

+91, 6239447329, 8437473298

Page 1 of 1

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

Report No.	RBEL/2412/025BD	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (Fire-Engine)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Pump House SMS	Sample I.D.	RBEL/2412/025BD
Sample Collected By	Lab Person		
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	Fire-Engine (62.5 KW) I No. Stack Attached to Fire-Engine		
Engine S. No	HH.2709.16/1920050	Model Name.	Kirloskar
Mfg. Year	...	Fuel Used	H.S.D
		Type & Qty. of fuel used (lit/hr.)	66-07 Liter/hr
Velocity of Flue Gases	9.61 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	51 Min
Stack Height	15 feet	Stack Temperature	85°C
Diameter of Stack	3 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kw-hr	0.09	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/kw-hr	0.15	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/kw-hr	0.28	≤3.5	IS 13270 : 1992

Note:

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

** End of Report **





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenvirosolution@gmail.com

+91, 6239447329, 8437473298

Page 1 of 1

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

Report No.	RBEL/2412/025BE	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (Fire-Engine)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Pump House SMS		
Sample Collected By	Lab Person	Sample I.D.	RBEL/2412/025BE
Sampling procedure	As per SOP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	Fire-Engine (14.7 KW) I No. Stack Attached to Fire-Engine		
Engine S. No	D4 2009/1500029	Model Name.	Kirloskar
Mfg. Year	---	Fuel Used	H.S.D
		Type & Qty. of fuel used (lit/hr.)	03 Liter/hr
Velocity of Flue Gases	9.3 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	45 Min
Stack Height	15 feet	Stack Temperature	68°C
Diameter of Stack	2.5 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kW-hr	0.15	<0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.25	<4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.36	<3.5	IS 13270 : 1992

Note:

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** End of Report **





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

Plot No. 56, First Floor, Shivalik City-Nijjer Road, Sec. 127, Kharar, SAS Nagar, Mohali

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

GSTIN: 03AANCR1768G129, Email: rbenviroresolution@gmail.com

+91, 6239447329, 8437473298

Page 1 of 1

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

Report No.	RBEL/2412/025BF	Report Date	20.12.2024
Ref. No.	Nil	Type of Sample	Stack Emission (Fire-Engine)
Sample Code Given by Customer	Nil	Date of Sampling	13.12.2024
		Date of Sample Receipt	14.12.2024
Sampling Location	Pump House SMS	Sample I.D.	RBEL/2412/025BF
Sample Collected By	Lab Person		
Sampling procedure	As per SCP	Date of Test	14.12.2024 - 20.12.2024

TECHNICAL DATA

Instrument Used for Sampling	Stack Monitoring Instrument(VSSI)		
Source of Emission	Fire-Engine (58 KW) No. Stack Attached to Fire-Engine		
Engine S. No	6H.2203.10/1100018	Model Name.	Kirloskar
Mfg. Year	...	Fuel Used	H.S.D
		Type & Qty. of fuel used (lit./hr.)	06-07 Liter/hr
Velocity of Flue Gases	9.44 m/s	Type of Stack	Round of M.S
Ambient Air Temp	17°C	Sampling Time	52Min
Stack Height	15 feet	Stack Temperature	88°C
Diameter of Stack	3 inch		
Stack material Metal/RCC/Brick	Metal		
Identification single/multiple	Single		
Sampling port hole/platform	Sampling done by standing on Platform		

SR. NO.	PARAMETERS	RESULTS	Limits	TEST METHOD
1	Particulate Matter, g/kw-hr	0.13	≤0.2	IS 11255(Part 1): 1985
2	Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr	0.27	≤4.0	IS 11255(Part 7): 2005
3	Sulphur Content, (as SO ₂) %	ND	<2%	IS 11255(Part 2): 2006
4	Carbon Monoxide, (as CO) g/Kw-hr	0.34	≤3.5	IS 13270 : 1992

Note:

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

** End of Report **



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)

Tarseen Singh
DGM- IQMS

Email Id: tarseembains@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 & II

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 Bhadsan Road, Distt Fatehgarh Sahib.

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

SCHEDULE - I

Production units of the Generator

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

Other Details

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



SCHEDULE - II

FORMAT FOR DISCLOSURE OF WASTE QUANTITIES & MANDATE FOR DISPOSAL

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

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

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

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

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

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

Signatures: _____



Name: Tarsem Singh

Designation: DGM IQMS

SCHEDULE - III

PARAMETERS TO BE ANALYZED FOR COMPREHENSIVE ANALYSIS OF WASTE

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



MADHAV KRG LIMITED

Date: - Dec 1, 2020

CIN:U27104DL2003PLC365691

AUTHORITY LETTER

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

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

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


Sudhir Goyal
Director Director
DIN- 00361549

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

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

Works: Village Bhadalthuha, Tehsil Amloh, Amloh 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

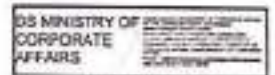
Corporate Identity Number: U27104PB2003PLC028123

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 ROAD MANDI GOBINDGARH, DISTT FATEHGARH
SAHIB, PUNJAB, Punjab, India, 147301





GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

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

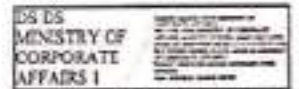
Certificate of Incorporation pursuant to change of name
[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

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
Akalgah, Amloh - 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. HM/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

Nikol Casey
By its Authorized Signatory

भारतीय गैर न्यायिक

पचास
रुपये

रु.50



FIFTY
RUPEES

Rs.50

INDIA NON JUDICIAL

पंजाब पंजाब PUNJAB

AGREEMENT

AH 950385

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

through its Sh. Tauseem 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 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) per month produced by the unit of the member situated at W.II, Atalgarh, Amloh Bhadra Road, Dist 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:



Mad

NAME :- HAZARD II

SR NO.	Activity	EHS Hazard Identif		
		EHS hazards	Category (Environment , Health , and Safety)	D/I
1	Withdrawal puncter	BODY Burn	Health	D
2	Shear machine	Shear machine pipe bruse	Health	D
3	Mould slag remove casting powder feeding	Mould blast , Tundish puncter breakout	Health	D
4	Running time mould scale cutting	Body Burn	Health	D

Revisio

Rev. no.	Detail			



CONTROL NO.	
REV NO.	
DATE OF LAST REVISION	
OWNER DEPTT	CCM

	Is EHS Risk level acceptable (Yes / No)	Ehs Risk control additional measures required
	No	
	No	
	NO	
	YES	
Prepared by	Verified by	Approved by



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NAME :- HAZARD ID

SR NO.	Activity	EHS Hazard Identifi		
		EHS hazards	Category (Environment , Health , and Safety)	D/I
1	Rolling Pathway	slipping injury	Health and safety	D
2	Rolling shed lighting	Improper visibility during night	Safety	D
3	Rolling dust	Respirator y infection allergy	Health And Environment	D
4	Pass change , Guide change	Visibility Problem	Safety	D

Revisor

Rev. no.	Detail			

hav KRG Limited

IDENTIFICATION AND RISK ANALYSIS

Page No.

CONTR

REV

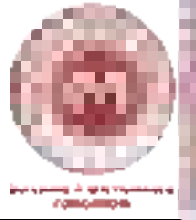
DATE OF LAS

OWNER

Condition				Residual EHS Risk Assessment				
Condition		Adequacy of EHS Risk Control		EHS Risk		Total = P *S	EHS Risk Level	
R/NR	N/AN/E	Existing	Gaps , if any	Probability (P)	Severity (s)			
R	N	Yes		2	2	4	Minor	
R	N	Yes		1	2	2	Minor	
R	N	Yes		1	2	2	Minor	
R	N	Yes		2	3	6	Moderate	
History								Prepared by
				Incharge		Approved by		

OL NO.	
NO.	
ST REVISION	
DEPTT	Rolling FR.

Is EHS Risk level acceptable (Yes / No)	Ehs Risk control additional measures required
No	
No	
No	
No	
Verified by	Approved by



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Madha

NAME :- HAZARD IDENTIFICATION

SR NO.		EHS Hazard Identification		
Activity		EHS hazards	Category (Environment , Health , and Safety)	D/I
1	CCS 01, CCS 02 Head tail cutting	Safety issue	Safety	D
2	Gas cutting cylinder trolley	Fire body burn	Health and safety	D
3	Tail Breaker Pathway	Pipe hit on head probability	Safety	D
4	Roughing lubrication tank	Material hit on probability	Health and safety	D
5	Rms store main gate entry change	Combusted Area slp probability	Health and safety	D
				Revision His
Rev. no.	Detail			

OL NO.	
NO.	
ST REVISION	
DEPTT	Rolling Readiness

Is EHS Risk level acceptable (Yes / No)	Ehs Risk control additional measures required
No	
No	
No	

Verified by	Approved by
-------------	-------------

	<h1 style="margin: 0;">Mad</h1> <h2 style="margin: 0;">NAME :- HAZARD ID</h2>
---	---

SR NO.	Activity	EHS Hazard Identifi		
		EHS hazards	Category (Environment , Health , and Safety)	D/I
1	Crane Plateform	High	Safety and Health	D
2	Road safety	High	Safety	D
3	Electrical safety 66 KV Incoming line	High	Safety	D

Revisor				
Rev. no.	Detail			

hav KRG Limited

IDENTIFICATION AND RISK ANALYSIS

Page No.

CONTR

REV

DATE OF LAS

OWNER

Condition				Residual EHS Risk Assessment				
Condition		Adequacy of EHS Risk Control		EHS Risk		Total = P *S	EHS Risk Level	
R/NR	N/AN/E	Existing	Gaps , if any	Probability (P)	Severity (s)			
R	E	Yes	NO	2	5	10	Critical	
R	E	Yes	No	4	4	16	Major	
NR	AN	Yes	Yes	2	5	10	Critical	
1 History								
				Incharge		Approved by		
								Prepared by

OL NO.	
NO.	
ST REVISION	
DEPTT	

Is EHS Risk level acceptable (Yes / No)	Ehs Risk control additional measures required
No	Yes
No	Yes
No	Yes
Verified by	Approved by

	Mad
	NAME :- HAZARD ID

SR NO.	Activity	EHS Hazard Identifi		
		EHS hazards	Category (Environment , Health , and Safety)	D/I
1	Pirana shed stair	High	Safety	D

Revisor				
Rev. no.	Detail			

hav KRG Limited

IDENTIFICATION AND RISK ANALYSIS

Page No.

CONTR

REV

DATE OF LAS

OWNER

Condition				Residual EHS Risk Assessment				
Condition		Adequacy of EHS Risk Control		EHS Risk		Total = P *S	EHS Risk Level	
R/NR	N/AN/E	Existing	Gaps , if any	Probability (P)	Severity (s)			
NR	E	Yes	Yes	4	4	16	Major	
1 History								
				Incharge		Approved by		
								Prepared by

OL NO.	
NO.	
ST REVISION	
DEPTT	Pirana

Is EHS Risk level acceptable (Yes / No)	Ehs Risk control additional measures required
No	Yes
Verified by	Approved by



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Mad

NAME :- HAZARD ID

--	--

SR NO.	Activity	EHS Hazard Identifi		
		EHS hazards	Category (Environment , Health , and Safety)	D/I
1	Utility Maintenance		Health	D
2	EOT Crane main hoisting bloating shift	High	Health and safety	D

Revisor

Rev. no.	Detail			

OL NO.	
NO.	
ST REVISION	
DEPTT	Utility
Is EHS Risk level acceptable (Yes / No)	Ehs Risk control additional measures required
No	Yes
No	Yes
Verified by	Approved by



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NAME :- HAZARD ID

SR NO.	Activity	EHS Hazard Identifi		
		EHS hazards	Category (Environment , Health , and Safety)	D/I
1	Electrical Safety	High	Health and safety	D
2	Motors shifting Loading unloadingby crane	Slip fall injury	Safety	D
				Revisor
Rev. no.	Detail			

hav KRG Limited

IDENTIFICATION AND RISK ANALYSIS

Page No.

CONTR

REV

DATE OF LAS

OWNER

Condition				Residual EHS Risk Assessment				
Condition		Adequacy of EHS Risk Control		EHS Risk		Total = P *S	EHS Risk Level	
R/NR	N/AN/E	Existing	Gaps , if any	Probability (P)	Severity (s)			
R	E	Yes	Yes	3	5	15	Critical	
R	N	Yes	No	3	4	12	Major	
1 History								
				Incharge		Approved by		
								Prepared by

OL NO.	
NO.	
ST REVISION	
DEPTT	Electrical

Is EHS Risk level acceptable (Yes / No)	Ehs Risk control additional measures required
NO	Yes
No	Yes
Verified by	Approved by

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





Sr No	Activities	Total expenditure in 1 year(s) (Rs)	Time/Duration from date of start of ECI	Total expenditure	Actual expenditure										Total			
					2019-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30				
1	Work connection through ECI																	
1	Planting of fruit bearing species including work and ward for 5 years @ Rs 50 lakh per hectare (2 Ha.)	1,80,000	5 year	9,00,000	19200	217000	400000	150000	1,00,000	50,000								2851700
2	Provision of one patrolling vehicle for the officer to patrol the study area.	6,00,000	1 year	6,00,000	612019													118019
3	Public awareness and wildlife education activities.	50,000	1 year	50,000			240000	60000	60000	60000								990000
4	Fuel for vehicle @100 LT per month for 12 months and maintenance.	1,00,000	1 year	1,00,000	24222	6169	26000	24012	60000	4422								600116
5	Contingency/General Expenses to local farmers	50,000	1 year	50,000				230000	10000	40000								280000
6	Providing awareness programs on use and make of seed manure from cow dung.	1,00,000	1 year	1,00,000			100000											440000
7	Awareness programs on modern approaches of soil fertility evaluation and fertilizer recommendation.	50,000	2 years	1,00,000	36100	36000	29020	20200										120000
8	Education																	0
9	Providing scholarship to the needy students of Akalgarh Sahani school and Ruppur Govt school	2,00,000	1 year	2,00,000	39760	61000	120000	34150	107150	134702								182580
10	Providing basic needs such as books, dresses etc to the students of Akalgarh Sahani school and Ruppur Govt school	1,50,000	1 year	1,50,000	134413			170000	50000	25000								500000
11	Health																	0
12	Organizing medical camps & blood donation in surrounding villages of Sahani & Bhimnagar	50,000	5 year	2,50,000	120000	110000	21500	270000	21000	81000								441200
Total		Rs 13,30,000		Rs 25,00,000	838967	561477	799124	1576000	547500	271843								7038015



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.



Environment Management Committee

BUILDING A SUSTAINABLE
TOMORROW

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
	5	CFO	Mr. Sunijit Singh	Members
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

ENVIRONMENT AUDIT REPORT

M/s MADHAV KRG LTD.

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

VILLAGES- AKALGARH & BHAGWANPURA, TEHSIL NABHA & AMLOH, DISTRICT PATIALA &
FATEHGARH SAHIB, PUNJAB.

PREPARED BY

JMS ENVIRO CARE & INNOVATIVE CENTRE

(QCI/ NABET Certificate No: NABET/EIA/24-27/IA 0142)

Address: SCO 6, Motia Plaza, Block B, Baddi, District Solan (H.P.)- 173212

Contacts: +91 7973051794

E-mail: jmsenvirocare@gmail.com



Madhav KRG Limited (Formerly known as Madhav Alloys Pvt. Limited), Villages Akalgarh and Bhagwanpura, Tehsil Nabha and Amloh, District Patiala and Fatehgarh Sahib, Punjab

1. INTRODUCTION

Environment audit is defined as “A management tool comprising a systematic, documented, periodic and objective evaluation of how well environmental organization, management systems and equipment are performing with the aim of (i) facilitating management control of environmental practices and (ii) compliance with company policies, including company requirements.

In India, the requirements for environmental auditing are formalized in Rule -14 of the ENVIRONMENT (PROTECTION) RULES, 1986 as below since 1992

Submission of environmental Statement

Every person carrying on an industry, operation or process requiring consent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) or under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) or both or authorization under the Hazardous Wastes (Management and Handling) Rules, 1989 issued under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an environmental audit report for the financial year ending the 31st March in Form V to the concerned State Pollution Control Board on or before the thirtieth day of September every year, beginning 1993.



JMS Enviro Care & Innovative Centre
(QCI/ NABET Certificate No: NABET/EIA/24-27/IA 0142)



Madhav KRG Limited (Formerly known as Madhav Alloys Pvt. Limited), Villages Akalgarh and Bhagwanpura, Tehsil Nabha and Amloh, District Patiala and Fatehgarh Sahib, Punjab

FORM –V

**Environmental Statement for the Financial Year Ending 31st March, 2024
(2023-24)**

Part-A

i.	Name and address of the Owner/occupier of the industry, operation or process	Madhav KRG Limited Address: Villages Akalgarh and Bhagwanpura, Tehsil Nabha and Amloh, District Patiala and Fatehgarh Sahib, Punjab
ii.	Industry Category Primary (SIC code) Secondary (SIC Code)	Large
iii.	Production capacity-units-	2,50,000 MTPA of TMT Bars & 2,00,000 TPA of MS Billets
iv.	Year of establishment:	2012
v.	Date of last environmental statement submitted	30-09-2021



JMS Enviro Care & Innovative Centre
(QCI/ NABET Certificate No: NABET/EIA/24-27/IA 0142)



Part-B

(i) WATER AND RAW MATERIAL CONSUMPTION

Water consumption (KLD)	Previous Year (2022-23)	Current Year (2023-24)
Process	- 50	60
Cooling	- 150	150
Domestic	- 40	40
Total	- 240	250

The water is used for process, industrial cooling and domestic purposes.

The water requirement is met through own tube well. The ground water analysis report is attached as **Annexure-I**.

The process water consumption per unit of product is given below:

(ii) RAW MATERIAL CONSUMPTION

	Name of Raw Material	Unit	Consumption of raw material	
			During the Current Financial Year (2022-23)	During the Current Financial Year (2023-24)
			(2)	(2)
1.	Domestic (Scrap)	MT	178727	156759
2.	Import Scrap	MT	69383	78625
3.	Sponge Iron	MT	44535	50155
4.	Ferro Alloys	MT	2508	2345
	Total Consumption		295153	287884

Madhav KRG Limited (Formerly known as Madhav Alloys Pvt. Limited), Villages Akalgarh and Bhagwanpura, Tehsil Nabha and Amloh, District Patiala and Fatehgarh Sahib, Punjab

(iii) PRODUCTS DETAILS

Products	Quantity Manufactured (Year 2022-23)	Quantity Manufactured (Year 2023-24)
MS Billets	22753 MT	17825 MT
TMT Bars	241426 MT	237115 MT

(iv) FUEL CONSUMPTION

Details of the fuel consumption are given below:

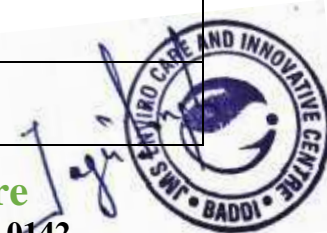
S.No.	Type of Fuel	Consumption (KL/Annum)	
		2022-23	2023-24
1.	HSD	30.035	29.495

Part – C

**POLLUTION DISCHARGE TO ENVIRONMENT/UNIT OF OUT PUT
(PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)**

i. Waste Water (Output of STP) : Test Report is attached in Annexure –II

Location of Sampling Point		STP (OUTLET) water
Date of Sample Collection		20-12-2024
S. NO	Parameters	Test Results
1	PH	7.75
2	TSS (Total Suspended Solids)	10
3	TDS (Total Dissolved Solids)	652
4	BOD (Biochemical Oxygen Demand)	08
5	COD (Chemical Oxygen Demand)	30
6	Oil & Grease	05



Madhav KRG Limited (Formerly known as Madhav Alloys Pvt. Limited), Villages Akalgarh and Bhagwanpura, Tehsil Nabha and Amloh, District Patiala and Fatehgarh Sahib, Punjab

7	Total Hardness	204
8	Alkalinity	262.3
9	Iron	0.10
10	Conductivity	973
11	Phosphate	0.22
12	Chloride	92
13	Turbidity	09

ii. **Stack Emission Analysis : Test Report is attached in Annexure –III**

S.NO	Date of sample collection	Location of Sampling Point	Particulate Matter (mg/Nm ³)	Acid Mists(as HCL) (mg/Nm ³)	Ammonia (mg/Nm ³)
1	20-12-2024	Process stack of CGR FES	18.4	-	-
2	20-12-2024	Process stack of Induction Furnace	10.2	-	-
3	20-12-2024	Process stack of Hot Water Generator	25.9	-	-
4	20-12-2024	Process stack of Wet Scrubber(Pipe and Tube)	16.5	08	-

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iii. Ambient Air Analysis: Test Report is attached in Annexure –IV.

Location of Sampling Point		Near Main Gate
Date of Sample Collection		20-12-2024
S.No.	Parameters	
1	PM ₁₀ (µg/m ³)	85
2	PM _{2.5} (µg/m ³)	47
3	SO ₂ (µg/m ³)	14
4	NO ₂ (µg/m ³)	25

Location of Sampling Point		Near FG Gate No-02
Date of Sample Collection		20-12-2024
S.No.	Parameters	
1	PM ₁₀ (µg/m ³)	83
2	PM _{2.5} (µg/m ³)	40
3	SO ₂ (µg/m ³)	16
4	NO ₂ (µg/m ³)	29

Location of Sampling Point		Near Stack area
Date of Sample Collection		20-12-2024
S.No.	Parameters	
1	PM ₁₀ (µg/m ³)	87
2	PM _{2.5} (µg/m ³)	46
3	SO ₂ (µg/m ³)	15
4	NO ₂ (µg/m ³)	32



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Location of Sampling Point		Near P&T area
Date of Sample Collection		20-12-2024
S.No.	Parameters	
1	PM ₁₀ (µg/m ³)	90
2	PM _{2.5} (µg/m ³)	52
3	SO ₂ (µg/m ³)	19
4	NO ₂ (µg/m ³)	32

**Part- D
HAZARDOUS WASTE**

(As Specified Under Hazardous Waste (Management and Handling) Rules, 2016)

S. No	Hazardous wastes	Total Quantity	
		During the Current Financial Year (2022-23)	During the Current Financial Year (2023-24)
(a)	APCD Dust (MT)	1070	1070
(b)	ETP Sludge (MT)	11.08	19.05

Annual return (form IV) as prescribed in the Hazardous Waste (Management, Handling & trans-Boundary Movements) Rules, 2016 has been submitted; copy of Form-IV is attached as **Annexure-V**.



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Part – E
SOLID WASTES

S. No.		During the current financial year (2022-23)	During the current financial year (2023-24)
(a)	From process (Mill-Scale/Slag (MT))	15023	15818

Part-F

Please specify the characteristics (in terms of composition of quantum) of hazardous as well as solid waste and indicate disposal practice adopted for both these categories of waste.

Hazardous Waste Disposal

The hazardous waste generated i.e. APCD dust is being recycled in sister concern “Madhav KRG Environmental Solutions Pvt. Ltd.” and other waste is disposed to the authorized vendor/TSD. Annual return (form IV) as prescribed in the Hazardous Waste (Management, Handling & trans-Boundary Movements) Rules, 2016 has been submitted; copy of Form-IV is attached as **Annexure-V**.

Solid Waste Disposal

The sludge from STP is used as manure in green area. Domestic solid waste is segregated and the recyclable part is sold to local vendors. The biodegradable waste is converted into compost and used in green area.

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Part –G

Impact of the pollution abatement taken on conservation of natural resources and on the cost of production: -

Management is highly conscious in conserving environment and controlling pollution. Implementation and monitoring of Environment Management Plan is under the direction of top management.

- I. The use of treated effluent for irrigation has resulted in reduced fresh water demand.
- II. The green belt and landscape have helped in improving the land use within the project site.

Part – H

Additional measure/investment proposal for environmental protection including abatement of pollution, prevention of pollution

There is a pro-active approach towards improvement. The Management of M/s Madhav KRG Limited (earlier known as Madhav Alloys Ltd.) is quiet conscious for the issues related to environmental management and pollution control. A number of measures have been taken by the industry for this purpose; few of which are as below: -



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1. Tree plantation drive, planting popular trees.
2. Installation of State-of-Art APCD for air pollution control.
3. Provision of STP and ETP for wastewater treatment.
4. Waste Recycling Division (WRD) for recovery of Zinc from APCD dust.
5. Cleaning of adopted pond for rainwater storage.

Part – I

Any other particulars for improving the quality of the environment

The industry undertakes various environmental awareness programs under the CSR activities. Rs.37.67 Lakhs has been spent on CSR activities for FY 2023-24. Photographs of some of the CSR activities are shown below: -



Rain Harvesting Project



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Skill Development Program



Health & Hygiene Initiative



No use of SUP Awareness



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Water Saving Program



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TEST REPORT

ANNEXURE - 1

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
Sampling Location	Nil	Date of sampling	11.09.2024
Sample Collected By	Lab Person	Date of sample receipt	12.09.2024
Sampling procedure	As per SOP	Sample I.D.	CEFT GEN/2409/286
		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

ANNEXUR - II

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

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** End of Report **

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TEST REPORT

ANNEX-III

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

ANNEXURE-III

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 I.D.	CEFT GEN/2409/261
Sample Collected By	Lab Person	Date of test	12.09.2024-17.09.2024
Sampling procedure	As per SOP		

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

ANNEXURE - III

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(Pl.-1)

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**** End of Report ****

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TEST REPORT

ANNEXURE-III

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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** End of Report **

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TEST REPORT

ANNEXURE - IV

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	480 Minutes
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.	Benzene (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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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.
6. Customer complaint register is available at the laboratory.





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

ANNEX-IV

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 ****

Author/Signatory

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.

6. Customer complaint register is available at the laboratory.



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

ANNEX- IV

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.	Benzene (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.
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6. Customer complaint register is available at the laboratory.





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

ANNEX-IV

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	480 Minutes
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.	Benzene (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.
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5. The Court Jurisdiction will be Delhi.
6. Customer complaint register is available at the laboratory.

FORM 4
[See rules 6(5), 13(8), 16(6) and 20 (2)]
Annual Return
under

Hazardous & Other Wastes(Management & Transboundary Movement) Rules, 2016

To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March

Return No : 26014212

Period : 2023-2024

1. Name of facility/Industry Industry Address of facility/Industry	MADHAV KRG LIMITED VILL. AKALGARH, AMLOH BHADSON ROAD, NEAR TOLL PLAZA																								
2. UID	R12PTA73369																								
3. Authorisation No Date of issue: Date of Expiry	HWM/renew/FGS/2019/9907914 02/04/2024 31/03/2025																								
4. (i) Name of the authorised person & Designation	Swarn Jeet Singh AGM Regulatory																								
(ii) Correspondence Address	Vill. Akalgarh, amloh-bhadson road, near toll plaza, district patiala																								
(iii) Mobile No	9115101607																								
(iv) Land Line No (with area code)																									
(iv) Fax number (with area code)																									
(vi) e-mail	regulatory@madhavkrggroup.com																								
5. Production during the year (product wise), wherever applicable	<table border="1"> <thead> <tr> <th>Sr.no</th> <th>Product Name</th> <th>Quantity</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PIPES & TUBES</td> <td>59489</td> <td>Metric Ton</td> </tr> <tr> <td>2</td> <td>GALVANIZED PIPES</td> <td>46359</td> <td>Metric Ton</td> </tr> <tr> <td>3</td> <td>BILLETS</td> <td>263837</td> <td>Metric Ton</td> </tr> <tr> <td>4</td> <td>TMT BARS</td> <td>237115</td> <td>Metric Ton</td> </tr> <tr> <td>5</td> <td>WIRE ROD</td> <td>21</td> <td>Metric Ton</td> </tr> </tbody> </table>	Sr.no	Product Name	Quantity	Unit	1	PIPES & TUBES	59489	Metric Ton	2	GALVANIZED PIPES	46359	Metric Ton	3	BILLETS	263837	Metric Ton	4	TMT BARS	237115	Metric Ton	5	WIRE ROD	21	Metric Ton
Sr.no	Product Name	Quantity	Unit																						
1	PIPES & TUBES	59489	Metric Ton																						
2	GALVANIZED PIPES	46359	Metric Ton																						
3	BILLETS	263837	Metric Ton																						
4	TMT BARS	237115	Metric Ton																						
5	WIRE ROD	21	Metric Ton																						

Part A. To be filled by hazardous waste generators

Sr.no	Category	Unit	Quantity in stock at the beginning of the year	Total quantity of waste generated	Quantity dispatched to disposal facility	Quantity dispatched to recycler or co-processors or pre-processor	Quantity dispatched to others	Quantity utilised in house	Quantity in storage at the end of the year
1	Schedule 1 - 5. Industrial operations using mineral or synthetic oil as lubricant in hydraulic systems or other applications - 5.1-Used or spent oil	Metric Ton	0.360	0.055	0	0	0	0.05	0.410

2	Schedule I - 35. Purification and treatment of exhaust air/gases, water and waste water from the processes in this schedule and common industrial effluent treatment plants (CETP's) - 35.1- Exhaust Air or Gas cleaning residue	Metric Ton	0	1135	0	1135	0	0	0
3	Schedule I - 33. Handling of hazardous chemicals and wastes - 33.1-Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	Metric Ton	0	1.69	1.69	0	0	0	0
4	Schedule I - 12. Metal surface treatment such as etching, staining, polishing, galvanizing, cleaning, degreasing, plating, etc. - 12.2- Spent acid and alkali	Metric Ton	0	1385.4	1385.4	0	0	0	0
5	Schedule I - 35. Purification and treatment of exhaust air/gases, water and waste water from the processes in this schedule and common industrial effluent treatment plants (CETP's) - 35.3- Chemical sludge from waste water treatment	Metric Ton	0	19.5	19.5	0	0	0	0

Part B. To be filled by Treatment, storage and disposal facility operators

Sr.no	Category	Unit	Quantity in stock at the beginning of the year	Total quantity received	Quantity treated	Quantity disposed in landfills as such and after treatment	Quantity incinerated (If applicable)	Quantity processed other than specified above	Quantity in storage at the end of the year
-------	----------	------	--	-------------------------	------------------	--	--------------------------------------	---	--

Part C. To be filled by recyclers or co-processors or other users

Sr.no	Category	Unit	Quantity in stock at the beginning of the year	Quantity of waste received during the year from Domestic sources	Quantity of waste received during the year Imported	Quantity recycled or co-processed or used	Quantity of waste generated	Quantity of waste disposed	Quantity re-exported (wherever applicable)	Quantity in storage at the end of the year
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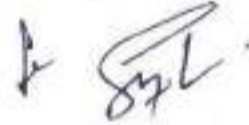
Quantity of products dispatched (wherever applicable)

Sr.no	Product dispatched	Quantity	Unit
1	BILLET	263837	Metric Ton
2	TMT	237115	Metric Ton

3	WIRE ROD	21	Metric Ton
4	PIPES	59489	Metric Ton
5	GP COIL	46359	Metric Ton

Date : 28/06/2024

Place : FATEHGARH SAHIB



SUDHIR GOYAL

Name of the Occupier or Operator of the
disposal facility

Sr. No.	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in LPA)	Performance During Financial Year					
				2011-12	2012-13	2013-14	01.04.14 to 30.06.14	01.07.2013 to 30.06.14	Total
1	As per design control (Installation of AFOCI)	150	2		27674271	40113311	4055447	378854	77711281
2	Noise pollution control (providing cost of landscaper & green belt)	10	1.5		121920	46200	188760	18300	314610
3	Solid waste management	12	1		78000	155000	1176000	77000	1396000
4	water pollution control (STP, ETP & RO)	2	2		644000	58538416	1700908	1574004	43796988
5	Environment monitoring & management	3	5		203000	418000	58100		673100
6	Health, safety & risk assessment	3	0.5	7771	78356	2047647	2095083	2713853	7430940
7	Rain water recharging outside the project premises	10	2		900000	610000	214700	189675	1565375
8	Miscellaneous	1	0.5						
Total		151	14.5	7771	29537277	91174438	6866702	4338795	13071982



Annexure 24



ENVIRONMENT & LEGAL CLEARANCES

ENVIRONMENT COMPLIANCE REPORTS

Environment & Legal Clearances

ECOA WRL 02/04/2014		ECOA WRL 02/04/2014	
1994 Model EG Licence 10/04/2014		Water Licence 09/05/2014	
Authorization for ground water From 20/07/19		Authorization of EMO From 06/05/2011	
COMA WRL & compliance From 24/03/2011		CEIA WRL From 24/01/2013	
CE Compliance From 24/07/2013		Environment Compliance From 07/01/2011	
RCSE (EM) SAC From 09/03/2017		CE Third Party & CSR	
CEIA/As Third Parties & CSR		CEIA/As Third Parties & CSR	
Empanelled Subj 2019-19			



ENVIRONMENT & LEGAL CLEARANCES

ENVIRONMENT COMPLIANCE REPORTS

Environment & Legal Clearances

ECOA WRL 02/04/2014		ECOA WRL 02/04/2014	
1994 Motor Vg Licence 10/04/2014		WATER CLEAR 09/05/2014	
Authorisation for noise filter Plan 20/07/19		Authorisation of WND Plan 06/01/2011	
COMA WRL & Appendix Plan 24/03/2011		CEI for WND Plan 24/01/2014	
CEI for WRL Plan 24/07/2014		Environment Comments Plan 07/01/2011	
RCI (EM) SAC Plan 09/03/2017		CEI for Airway & CSR	
CEI for Noise Filter & WRL		CEI for Noise Filter & WRL	
Decree of 04/03/14			



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



Office Dispatch No :
OCMMS/CTO(Air)/2025/002053

Registered/Speed Post

Date:

Industry Registration ID: R12PTA73369

Application No : 27828859

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

Subject: Renewal of Consent to Operate under section 21 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/2025/27828859
Date of issue :	17/03/2025
Date of expiry :	31/03/2029
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Renewal/FGS/2024/24960635 From:02/04/2024 To:31/03/2025

2. Particulars of the Industry

Name & Designation of the Applicant	Sudhir Goyal, (Director)
Address of Industrial premises	Madhav Krg Limited, Vill. Akalgarh, Amlloh Bhadson Road,near Toll Plaza, Amlloh,Fatehgarh Sahib-147203
Capital Investment of the Industry	27824.68 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/2024/24960635 dated 2/4/2024 valid upto 31/3/2025 under the Air (Prevention and Control of Pollution) Act, 1981 is hereby renewed upto 31/03/2029 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall install the water flow meter at the fresh supply of water leading to Galvanizing process within 7 days.
2. The industry shall maintain the record of fresh water consumption viz-a-viz trade effluent generated, treated in ETP, lifted to CETP operator on daily basis and shall submit the same in Regional Office Fatehgarh Sahib by 5th of each month.
3. The industry shall comply with guidelines for abstraction of ground water from the Punjab Water Regulation and Development Authority (PWRDA).
4. The industry shall develop the adequate plantation area in compliance of EC conditions in the upcoming plantation season.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOA/Renewal/FGS/2024/24960635 dated 2/4/2024 to the industry under the Air (Prevention & Control of Pollution) Act, 1981.



17/03/2025

**(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:

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.



17/03/2025

**(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 :
OCMMS/CTO(Water)/2025/002052

Registered/Speed Post

Date:

Industry Registration ID:

R12PTA73369

Application No :

27828810

To,
Sudhir Goyal
Madhav Krg Limited,village Akalgarh,amloh Bhadson Road,near Toll Plaza
Fatehgarhsahib,Fatehgarhsahib-147203
Subject: Renewal of Consent to Operate under section 25 of the Water (Prevention & 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/2025/27828810
Date of issue :	17/03/2025
Date of expiry :	31/03/2029
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Renewal/FGS/2024/24960741 From:02/04/2024 To:31/03/2025

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	27824.68 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/2024/24960741 dated 2/4/2024 valid upto 31/3/2025 under the Water (Prevention & Control of Pollution) Act, 1974 is hereby renewed upto 31/03/2029 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall install the water flow meter at the fresh supply of water leading to Galvanizing process within 7 days.
2. The industry shall maintain the record of fresh water consumption viz-a-viz trade effluent generated, treated in ETP, lifted to CETP operator on daily basis and shall submit the same in Regional Office Fatehgarh Sahib by 5th of each month.
3. The industry shall comply with guidelines for abstraction of ground water from the Punjab Water Regulation and Development Authority (PWRDA).
4. The industry shall develop the adequate plantation area in compliance of EC conditions in the upcoming plantation season.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOW/Renewal/FGS/2024/24960741 dated 2/4/2024 to the industry under the Water (Prevention & Control of Pollution) Act, 1974.



17/03/2025

**(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:

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.



17/03/2025

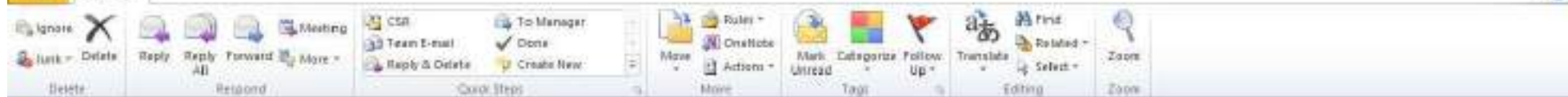
**(Amit Kumar)
Environmental Engineer**

For & on behalf

of

(Punjab Pollution Control Board)





If there are problems with how this message is displayed, click here to view it in a web browser.
From: regulatory@madhavkrggroup.com
To: legal@madhavkrggroup.com
Cc: regulatory@madhavkrggroup.com
Subject: PW: Six monthly compliance of Environment Clearance of M/s Madhav KRG Ltd. for the period ending 30.09.2024
Message: Six Monthly Compliance Report.pdf (12 KB)

From: regulatory@madhavkrggroup.com <regulatory@madhavkrggroup.com>
Sent: 30 November 2024 16:40
To: 'eecompliance-nro@gov.in' <eecompliance-nro@gov.in>; 'ranz.chd-mef@nic.in' <ranz.chd-mef@nic.in>
Cc: 'EE- FGS' <eerofgs@gmail.com>; 'SEIAA PB' <seiaapb2017@gmail.com>
Subject: Six monthly compliance of Environment Clearance of M/s Madhav KRG Ltd. for the period ending 30.09.2024

PROPOSAL# SIA/PB/IND/37520/2010, DECC/SEIAA/2020/1656

Dear Sir,

We are hereby submitting six-monthly compliance report for the period ending 30.09.2024 for our Steel Manufacturing Unit namely "M/s Madhav KRG Ltd." located at Village Akalgah & 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



Activate Windows
Go to Settings to activate Windows

See more about: regulatory@madhavkrggroup.com



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	$1853500 + (353547) -$ $327600 - 2500 - 2000 = ₹$ $1,874,947$ $\text{Net Payable} = ₹ 18,74,947$