



BUILDING A SUSTAINABLE
TOMORROW

Nov.30, 2023

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-nro@gov.in and ronz.chd-mef@nic.in)

Subject: Submission of six monthly report for period ending 30.09.2023 for the Steel Manufacturing Unit namely "Madhav KRG Ltd." (earlier known as Madhav Alloys Pvt. Ltd.) located at Village Akalgarh & Bhagwanpura, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab.

Dear Sir,

With reference to the EIA Notification & its amendments regarding submission of six monthly compliance report, we are hereby submitting the six monthly compliance report for period ending 30.09.2023 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 seiapb2017@gmail.com)
2. Environmental Engineer, Punjab Pollution Control Board, Regional Office, RIMT Management College, Māndi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (mail id: eeofgs@gmail.com)



MADHAV KRG LIMITED

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

CIN : U27104DL2003PLC365691
PAN : AADCM6458N

www.madhavkrggroup.com

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Ministry of Environment, Forests & Climate Change

Northern Region Office

Chandigarh-160 030

Data Sheet

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

		<p>generated from the unit is being treated in already installed ETP of capacity 150 KLD. After treatment with UF & RO, 123 KLD treated water is being reutilized as process water and 22 KLD RO reject is being utilized for onto land for plantation purposes.</p> <p>Domestic wastewater is being treated in STP of capacity 150 KLD. After treatment with RO, 22 KLD treated water is being reutilized as process water, RO reject is being utilized for onto land for plantation purposes.</p> <p>Miscellaneous: After expansion, the total power requirement for the project is estimated to be 43 MVA. 4 DG sets has been proposed of capacity 2 × 600 KVA, 1 × 550 KVA and 1 × 50 KVA.</p>									
7.	Break-up of the Project Area										
a)	Submergence area	Not applicable									
8.	Break up of project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/ land landless laborers/ artisans.	Not applicable									
a)	SC/ST/ Adivasis	Not applicable									
b)	Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. if a survey has been carried out give details and year of survey)	Not applicable									
9.	Financial details										
a)	Project cost as originally planned and subsequent revised estimates and the year of price reference.	Project cost for expansion Rs. 19.06 Crores.									
b)	Allocations made for environmental management plan with item wise and year of assessment.	<p>Allocations made for environment management plan are given below with breakup:</p> <table border="1"> <thead> <tr> <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>Air Pollution Control (Installation of APCD)</td> <td>150</td> <td>2</td> </tr> <tr> <td>Noise Pollution control (including cost of landscaping)</td> <td>10</td> <td>1.5</td> </tr> </tbody> </table>	Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)	Air Pollution Control (Installation of APCD)	150	2	Noise Pollution control (including cost of landscaping)	10	1.5
Environmental Protection Measures	Capital Cost (Rs. in lakhs)	Recurring Cost (Rs. in lakhs/year)									
Air Pollution Control (Installation of APCD)	150	2									
Noise Pollution control (including cost of landscaping)	10	1.5									

		Solid Waste management	12	1
		Water pollution control (STP, ETP and RO)	2	2
		Environment monitoring and management	3	5
		Health, safety and risk assessment	3	0.5
		Rain water recharging outside the project premises	10	2
		Miscellaneous	1	0.5
		Total	191	14.5
c)	Benefit cost ratio/ Internal rate of return and year of assessment.	Will be calculated and submitted.		
d)	Whether (c) includes the cost of environmental management as shown in (b) above.	Yes, the cost benefit ratio will be worked out considering the cost of environment management.		
e)	Actual expenditure incurred on the project so far.	All the expenditure has been done on the project as per EC letter.		
f)	Actual expenditure incurred on the environmental management plans so far.	All the expenditure has been done on Environment Management plan. Only regular maintenance is being done. Rs. 14, 94,568 spent on EMP from 1 st April 2023 to 30 th Sep, 2023.		
10.	Forest lands requirement:			
a)	The status of approval for diversion of forest land for non forestry use.	NOC has been obtained regarding diversion of forest land; copy of the same is enclosed as Annexure 3 .		
b)	The status of clear felling.	Not applicable		
c)	The status of compensatory a forestation programmer in the light of actual field experience so far.	Not applicable		
11.	The status of clear felling in non forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.	Not applicable		
12.	Status of construction	Project is fully operational.		
a)	Date of commencement (actual and/or planned).	The unit is already operational and expansion has been initiated since 1 st June, 2020.		
b)	Date of completion (actual and/ or planned).	June, 2021		
13.	Reasons for the delay if the project is yet to start:	Not applicable		

Compliance Report on conditions imposed in Environmental Clearance for period ending
31.03.2023

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

I. Statutory compliance:

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

v.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of withdrawal of ground water from the competent authority concerned in case of drawl of surface water required for the project.	Interim permission has been obtained from PWRDA and final application will be submitted to Punjab Water Regulation & Development Authority (PWRDA) for grant of NOC regarding ground water abstraction.
vi.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Authorization of Hazardous waste has been obtained from PPCB; copy of the same is enclosed as Annexure 5(b) .
vii.	The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the CPCB/CPCB/MoEF&CC for such type of units.	Company is being complying all the siting criteria, standard operating practices, code of practice and guidelines as prescribed by the CPCB/PPCB/MoEF&CC for such type of units.
viii.	The project proponent shall comply with the conditions imposed by District Town Planner, Patiala 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.	The conditions imposed by the District Town Planner is being complied.

II. Air quality monitoring and preservation:

S. No.	Compliance conditions	Reply
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 vide G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time	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 as Annexure 6 .

	to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Work zone monitoring has been done on quarterly basis for fugitive emissions by NABL accredited laboratory. Test report of the same is enclosed as Annexure 6 .
iii.	The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/ criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).	Regular ambient air monitoring has been done on quarterly basis by NABL accredited laboratory. Recent Test reports are attached along as Annexure 6 . Recent monitoring has been done by NABL accredited laboratory. Recent Test reports are attached along as
iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal Office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Six monthly compliance report has been submitted regularly to Regional Office of MoEF&CC, Chandigarh, and Regional Office of PPCB along with the test reports on half yearly basis. Screenshot showing submission of compliance report via e-mail for period ending 31.03.2023 is enclosed as Annexure 7 .
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.	Fugitive emissions are minimal as dog house suction hood and bag house filter has been provided as APCD and installed mechanical feeding system for the induction furnace. Fugitive emissions are very less during the feeding and that too temporary in nature for which proper exhaust systems have been provided.

vi.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Leakage detection and mechanized bag cleaning facilities for has been provided for maintenance of bags.
vii.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Adequate number of vacuum cleaners have been provided to clean road, shop floors, roofs etc. provided within the project premises on regular basis.
viii.	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.	APCD dust generated from the air pollution control device is being handed over to a recycling unit M/s Madhav KRG Environmental solution Pvt. Ltd. for extraction of zinc.
ix.	The project proponent shall use leak proof trucks/ dumpers carrying coal and other raw materials and cover them with tarpaulin.	Covered trucks are being used to carry the raw materials.
x.	The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.	Scrap is being kept in the covered sheds only.
xi.	The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.	All melting furnaces are provided with primary and secondary fume extraction system.
xii.	Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.	Agreed.

III. Water quality monitoring and preservation

S. No.	Compliance conditions	Reply
i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31 st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL	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 along as Annexure 6 .

	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.	Monitoring of ground water has been done on quarterly basis by NABL accredited laboratory. Test reports of ground water are attached along as Annexure 6 . Further, recent monitoring has been done by NABL accredited laboratory. Recent Test reports are attached.
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.	Screenshot showing submission of compliance report via e-mail for period ending 31.03.2023 is enclosed.
iv.	Adhere to 'Zero Liquid Discharge'.	Domestic wastewater generated from the unit is being treated in the STP installed and industrial effluent generated from the unit is being treated in the ETP installed within project. Treated water is being re-used within the project onto green area for horticulture purpose. Thus, the industry adhere to zero liquid discharge.
v.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	STP of capacity 150 KLD has been installed within the project premises. Test reports of STP inlet and outlet are attached along as Annexure 6 .
vi.	The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31 st March 2012 (applicable to IF/EAF) as amended from time to time.	ETP of capacity 150 KLD has been installed within the project premises. Photographs showing ETP installed are enclosed as Annexure 8 . Further, test reports of ETP inlet and outlet are attached along as Annexure 6 .
vii.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Proper drainage system has been provided within the project premises to collect the run-off.
viii.	The project proponent shall practice rainwater harvesting to maximum possible extent i.e. pond location in the village Dargapur,	Ponds have been adopted regarding rain water recharging outside of the project premises. Ponds located in the Village Ghundar, Chahal, Jasso Majra and Bari

<p>Ramgarh, Ghundar and Chahal shall be adopted with rainwater recharging after de-silting @ 276,196.5 m³/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of Phytoid plants trench (designed based on the technology developed by CSIR-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.</p>	<p>Panecha have been cleaned based on the Sant Seechewal Model. Photographs of the ponds showing the implementation of Sant Seechewal Model is enclosed as Annexure 9(a). Rs. 6,10411 (Approx. 1.5 lakhs on each pond) has been spent on pond maintenance for rain water recharging. Further, thanking letters received from Sarpanch of Villages is enclosed as Annexure 9(b).</p>
<p>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.</p>	<p>Water consumption has been kept minimum. In addition to this, treated water from ETP & STP is being reused as process water and RO reject is being reused onto land for horticulture purposes.</p>

IV. Noise monitoring and prevention

S. No.	Compliance conditions	Reply
i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Monitoring of noise has been done on quarterly basis by NABL accredited laboratory and results are being submitted with six monthly compliance reports.
ii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Monitoring of noise has been done on quarterly basis by NABL accredited laboratory and results are found within the permissible limit. Test report is enclosed as Annexure 6 .

V. Energy Conservation measures

S. No.	Compliance conditions	Reply
i.	The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at flue gases of reheating furnaces.	Agreed.
ii.	Practice hot charging of slabs and billets/ blooms as far as possible.	Agreed.
iii.	Ensure installation of regenerative type burners on all reheating furnaces.	Agreed.
iv.	Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Solar energy is used for common area lighting. Solar power plant of capacity 1.8 MW has been installed in order to conserve energy. Photographs showing solar panels are enclosed as Annexure 8 .
v.	Provide the project proponent for LED lights in their offices and residential areas	LED lights have been provided in offices and sheds within project premises.

VI. Waste Management

S. No.	Compliance conditions	Reply
i.	Used refractories shall be recycled as far as possible.	Agreed.
ii.	Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried and briquetted and reused melting Furnaces.	Agreed.
iii.	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	Agreed. Slag is generated from the unit which is given to own subsidiary unit M/s Madhav Environmental Solution Pvt. Ltd.
iv.	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	APCD dust is being given to M/s Madhav KRG Environmental Pvt. Ltd. For Recovery of zinc metal. In addition to this, agreements have been done with M/s BRS Lubricants & JBR Technologies Ltd. Agreement has been made with M/s Ramky Environ for lifting of ETP Sludge & FES bags disposal of other categories of hazardous waste; copy of the agreements done are attached along as Annexure 10 .

VII. Green Belt

S. No.	Compliance conditions	Reply
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery shall be provided with green belt by removing the unwanted/ non-productive structures already provided in the existing project near the boundary wall.	Adequate green area has been provided within the project premises. Photographs showing the green belt provided is enclosed as Annexure 8 .
ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Agreed.

VIII. Public Hearing and Human Health issues

S. No.	Compliance conditions	Reply
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan is being implemented based on the Hazard identified and Risk Assessment (HIRA) and Disaster Management Plan.
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	OHC has been provided and regular health check-up facility is being done. Further, Personal Protection Equipment (PPE) has been provided to workers for safety.
iii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Not applicable, as construction work already completed.
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular health check-up of the workers is being done and record is maintained.
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	The commitments made during public hearing has been implemented.

qualification to be employed in the expansion project.

IX. Corporate Environment Responsibility

S. No.	Compliance conditions				Reply	
i.	The project proponent shall comply with the provisions contained in this Ministry's O vide F. No. 22-65/2017-IA.III dated 1 st 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:				Details of the CER activities done so far is enclosed as Annexure II.	
	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 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 & 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.	Environment & Health Policy of company stating the environment protection measures are attached as Annexure 12 .
iii.	A separate Environmental Cell booth 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.	Environmental Management Cell has been constituted. Details of EMC is enclosed as Annexure 13 .
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 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.	Agreed. The entire cost of the environmental management plan is borne by the company and details of the expenditure done is being mentioned in six monthly compliance report submitted to RO, MoEF&CC.
v.	Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional along with Six Monthly Compliance Report.	Agreed.
vi.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agreed.
vii.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.	Agreed.

X. Validity

S. No.	Compliance conditions	Reply
i.	This environmental clearance will be valid for a period of seven years from the date of its issue or	Environment Clearance for expansion has been granted by

till the completion of the project, whichever is earlier.	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 & its amendments.
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XI. Miscellaneous

S. No.	Compliance conditions	Reply
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Advertisement has been published in the newspaper regarding the grant of EC. The details of the same have already been submitted with previous six monthly compliance report. However, copy of the same is again enclosed as Annexure 14 . Further, Environmental Clearance letter has been uploaded along with the previously submitted six monthly compliance reports on the company's website. Screenshot showing the same is attached along as Annexure 15 .
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copy of Environment Clearance letter was submitted to DC Office, Zila Parishad, MC and other concerned Offices.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Environmental Clearance letter has been uploaded along with the previously submitted six monthly compliance reports on company's website. Screenshot showing the same is attached along as Annexure 15 .
iv.	The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Environmental ' Clearance letter has been uploaded along with the previously submitted six monthly compliance reports on company's website. Screenshot showing the same is attached along as Annexure 15 .
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the	Six monthly compliance report is being submitted to the Regional

	stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Office, MoEF&CC and RO, PPCB. Screenshot showing submission of compliance report via e-mail for period ending 31.03.2023 is enclosed as Annexure 7.
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Environment statement of every financial year in Form-V has been submitted to RO, PPCB.
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Consent to Operate has been obtained from PPCB for increased production capacity w.r.t. EC granted; copy of the same is enclosed as Annexure 5(a).
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Stipulations made by the Punjab Pollution Control Board and State Government are being strictly followed.
ix.	The project proponent shall abide by all the commitments and recommendations made in the EIA/ EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Agreed.
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC)/ SEIAA, Punjab.	Agreed. If any changes or further expansion will be done, then fresh application will be filed to SEIAA, Punjab.
xi.	Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
xii.	The Ministry/ SEIAA, Punjab may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
xiii.	The Ministry/ SEIAA, Punjab reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The	Agreed. Full cooperation will be extended to the officer of the

	project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.	Regional Office and PPCB by furnishing the requisite data/ information/ monitoring reports.
xv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Agreed.
xvi.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Not applicable as 30 days' time period was over and no appeal was made.

XII. Additional Specific Conditions:

S. No.	Compliance conditions	Reply
i.	The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/ MoEF&CC for such type of units.	Minimum water is being consumed in the plant, as effective water consumption techniques is being implemented. Treated water from ETP & STP is being reused as process water and RO reject is being reused onto land for horticulture purposes.
ii.	The project proponent shall provide STP for treatment of wastewater & reutilization of the treated water for core/ non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09.08.2018 issued by the MoEF&CC for such units.	Treated water from ETP & STP is being reused as process water and RO reject is being reused onto land for horticulture purposes.
iii.	The project proponent shall reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.	Agreed.
iv.	A management plan shall be drawn up and implemented to contain the current exceedance in	Regular sprinkling is being practiced at loading/un-loading

	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.	areas to prevent dust emissions.
v.	The project proponent shall reserve land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking. The area to be reserved by considering the time required for loading and unloading of vehicles for respective activities and minimum/ maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.	Adequate parking and loading/unloading areas have been earmarked for vehicles carrying raw materials, final products, slag and hazardous waste. Further, separate sheds have been provided for storage purpose as per the layout plan.
vi.	The project proponent shall comply with the standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/ MoEF&CC.	Agreed.
vii.	Whole of the vehicle movement area as well as approach road to the gate/ weighing bridge shall be paved with pucca/ metaled/ cement concrete road to control the dust emissions expected from the vehicle movement.	The entire movement area and approach road is metaled to reduce the dust pollution.
viii.	The vehicles to be used for loading/ unloading purpose shall not be parked along roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.	Adequate parking area is available for the staff and loading/unloading of the vehicles carrying raw material or final products. No traffic congestion takes place.
ix.	The project proponent shall adopt green technologies to conserve the water and energy including shearing/ cutting/ bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.	Agreed.
x.	The project proponent shall use natural gas (if available) as substitute fuel whenever possible in the existing industry/ for expansion project.	Natural gas will be utilized to the maximum extent whenever possible.
xi.	The project proponent shall take necessary action w.r.t. the following: a) Recovery of iron from slag before disposing it off. b) Identify the areas for utilization of slag in scientific manner and its usage in cement/ construction industry/ road laying etc.	Agreed. a) Slag is being hand over to sister concern M/s Madhav KRG Environment Solution Pvt. Ltd. For the recovery of metal. b) The remaining slag is crushed and being given by subsidiary unit to cement/construction industry/ road laying etc. for usage.

	c) Recovery of precious metals like zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.	c) APCD Dust is being given subsidiary unit M/s Madhav KRG Environment Solution Pvt. Ltd for Recovery of zinc metal
xii.	The project proponent shall install the hollow blocks & interlock pavers manufacturing unit of capacity 300 TPD to utilize the 65 TPD slag generated from their unit as raw material along with other ingredient and commission the same within one year.	30 TPD of metal is being recovered from slag. The remaining slag given to own subsidiary unit for co-processing for co-processing.
xiii.	The project proponent shall install the borewell for the abstraction of ground water under Nabha Block only, which is non-notified over exploited zone and will not abstract ground water from Amloh block which is notified over exploited zone.	Bore well has already been installed falls in Nabha Block.
xiv.	The project proponent shall install 02 no. low cost instruments within the premises and monitor Continuous/ Real time data.	Agreed.

Part C. Additional Specific Conditions decided during meeting of SEIAA

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



ANNEXURE-1

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



ANNEXURE - (24)

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

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

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

Ph: 01765- 251857 Fax: 01765- 256798
E-mail: sudhirgoval@madhavgroup.com

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

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

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

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

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

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

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

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

A. SPECIFIC CONDITIONS:

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

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

B. GENERAL CONDITIONS:

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

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

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

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

- xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Chandigarh
- xvi. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

8. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory

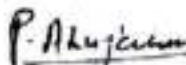
9. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

10. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


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

Copy to:

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


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

 सत्यमेव जयते	STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, PUNJAB Ministry of Environment, Forest & Climate Change, Government of India O/o Directorate of Environment & Climate Change C/o PSCST, MGSIPA Complex, Sector 26, Chandigarh-160019 Tele-0172-2792325 Fax- 0172-2793143
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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/ MS rounds @5,25,000 TPA	

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

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

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

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

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

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

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

I. Statutory compliance:

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

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

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

ii. Air quality monitoring and preservation

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

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

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

III. Water quality monitoring and preservation

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

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

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

IV. Noise monitoring and prevention

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

as a part of six-monthly compliance report.

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

V. Energy Conservation measures

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

VI. Waste management

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

VII. Green Belt

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

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities and spent an amount as committed during the Public Hearing and give preference to the local person as per the qualification to be employed in the expansion project.

IX. Corporate Environment Responsibility

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

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

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

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

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

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

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

x. Validity

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

xi. Miscellaneous

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

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

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

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

- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

ADDITIONAL SPECIFIC CONDITIONS DECIDED DURING MEETING OF SEAC

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


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

ADDITIONAL SPECIFIC CONDITIONS DECIDED DURING MEETING OF SEIAA

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

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

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


Member Secretary

Endst. No. _____

REGISTERED

Date: _____

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

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

-sd/-
Member Secretary



भारत सरकार
GOVERNMENT OF INDIA

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



मिसिल संख्या :- 9-PBB334/2020-CHA

दिनांक : 13.08.2020

सेवा में,

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

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

- संदर्भ (i) पंजाब सरकार के पत्र संख्या FCA/1980/PBIP/133/2019/900 दिनांक 24.02.2020
(ii) राज्य सरकार द्वारा अनुपालना रिपोर्ट 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 काटें जायेंगे और काटें जाने वाले वृक्षों की संख्या 05 से अधिक नहीं होगी ॥
- iii. प्रतिपूर्ति पौधारोपण प्रस्ताव के अनुसार Mohlgwara Rajwaha RD 0 to tail B/s, Tehsil Nabha, District Patiala में प्रयोक्ता एजेंसी से प्राप्त 56,050/- 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. कूड़ा कर्कट निपटान जारी योजना के अनुसार किया जायेगा।
- xii. अन्य कोई भी शर्त इस क्षेत्रीय कार्यालय द्वारा वन तथा वन्य जीव का संरक्षण, सुरक्षा तथा विकास के लिए समय-समय पर लगाई जा सकती है।

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

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

भवदीय,



(सी० डी० सिंह)

13/08/2020

उप-वन महानिदेशक (केन्द्रीय)

प्रतिलिपि:-

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

5. पर्यावरण प्रभाव निर्धारण अधिनियम, 2006 के अधीन आने वाली गतिविधियों की संविधा के मामलों का सारांश। ज्यूरि एक पृथक् उपाबंध के रूप में उपाबद्ध किए जा सकते हैं।
6. पर्यावरण प्रभाव निर्धारण अधिनियम, 2006 के अधीन न आने वाली गतिविधियों की संविधा के मामलों का सारांश। ज्यूरि 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, Simhal, 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, ridges, 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 (I) 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 bona fide 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. |

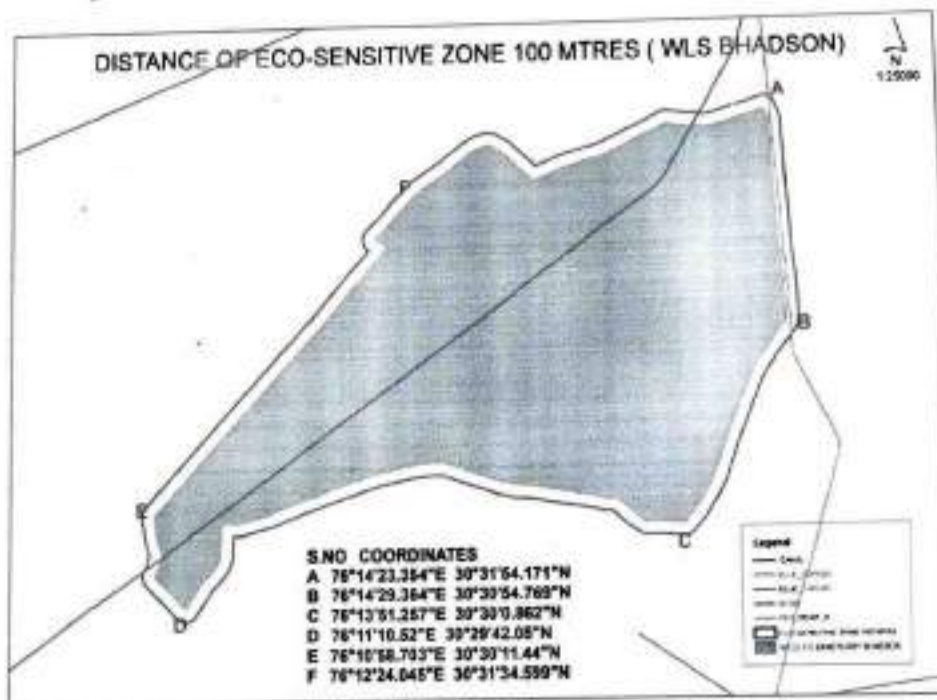
6. **Terms of Reference.-** (1) The Monitoring Committee shall monitor the compliance of the provisions of this notification.
- (2) The activities that are covered in the schedule to the notification of the Government of India in the erstwhile Ministry of Environment and Forests number S.O. 1533(E), 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.	Durgapur	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 name 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.

Signature
20/5/19

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



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

Office Dispatch No : _____ Registered/Speed Post _____ Date: _____
 Industry Registration ID: R12PTA73369 Application No : 19122209

To,

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

Subject: Renewal of 'Consent to Operate' an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.

With reference to your application for obtaining Renewal of 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

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

Consent to Operate Certificate No.	CTOW/Renewal/FGS/2022/19122209
Date of issue :	17/10/2022
Date of expiry :	31/03/2024
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Renewal/FGS/2021/16258293 From: 10/12/2021 To: 30/06/2022

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	26798.04 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	<i>Fatehgarh Sahib</i>
Consent Fee Details	<i>Rs. 12,57,485/- vide no. 646296975 dated 08/07/2021.</i>
Raw Materials(Name with quantity per day)	<i>MS SCRAP @ 1206 MTD, DRI @ 193.41 MTD, Ferro Alloys & Sponge Iron @ 13.71 MTD, NaCl @ 0.29 MTD, HCL @ 8000 Liter/day, HR COIL @ 120000 MT/Year, MS TMT @ 30000 MT/Year and ZINC @ 2 MTD.</i>
Products (Name with quantity per day)	<i>MS Billet @ 450000 MT/Year, TMT Bars/Wire Rod/ MS Round @ 420000 MT/Year, ERW and MS BLACK PIPE/GALV ANIZING PIPE @ 120000 MT/Year, GALVANIZED TMT and REBARS @ 30000 MT/Year.</i>
By-Products, if any,(Name with quantity per day)	<i>NIL</i>
Details of the machinery and processes	<i>As per details given in application form no. 19122209</i> <i>TMT Unit : Raw Material Furnace Loading Melting Tapping Refining High Speed Casting Rolling.</i> <i>Pipe Unit: Raw Material Slitting Looping Forming Welding Sizing & Cutting Bundling Dispatch.</i> <i>Continuous galvanizing Rebars : Arrival of Rebar-Degreasing- Pickling Rinsing- Fluxing- PreheaterGalvanizing Quenching Dryer- Bundling/ Packaging Section- Dispatch.</i>
Details of the Effluent Treatment Plant	<i>The industry has installed ETP 150 KLD based on Physico Chemical treatment followed by double stage RO plant and components of the ETP consists of Bar Screen Chamber, Oil & Grease trap, collection tank, coagulation & flocculation, Tube settler, Passive Sand filter, activated Carbon filter, ultra filtration, Double stage Reverse osmosis for the treatment of Trade Effluent @ 145 KLD.</i> <i>The industry has installed STP of capacity 150 KLD to treat Domestic waste water qty 44 KLD. After treatment with RO, 22 KLD treated water reutilized as process water and RO reject utilize onto land for plantation.</i>
Mode of Disposal	<i>Trade Effluent @ 145.0 KLD : After treatment with UF & RO 123 KLD treated water reutilized as process water and 22 KLD RO reject utilized onto land for plantation purposes.</i> <i>Domestic Effluent @ 44.0 KLD : After treatment with RO, 22 KLD treated water reutilized as process water and RO reject utilized onto land for plantation.</i>
Standards to be achieved under Water(Prevention & Control of Pollution) Act, 1974	<i>As per effluent standards prescribed by the Board/ MoEF&CC as amended from time to time.</i>

Om Parkash

17/10/2022

(Om Parkash) Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

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

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

PUNJAB

Om Parkash

17/10/2022

(Om Parkash) Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.
2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent.
3. The industry shall ensure that the effluent discharging through the authorized outlet shall conform to the prescribed standards as applicable from time to time.
4. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
5. The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/recirculation system installed shall be the entire responsibility of the industry.
6. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time , without any adverse effect on the environment, in any manner
7. The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.
8. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year.
9. The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
10. During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible foam.
11. Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions.
12. The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.
13. Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer, Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.
14. The industry shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.
15. The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer, Punjab Pollution Control Board of the concerned Regional Office.
16. The industry shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.
17. The industry shall provide online monitoring equipment; 1/2s for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.
18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board.
20. The industry shall comply with the conditions imposed by the SEIAA / MOEF in the environmental clearance granted to it as required under EIA notification dated 14/9/06, if applicable.

21. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
22. The industry shall not use any unauthorized out-let(s) for discharging effluents from its premises. All unauthorized outlets, if any, shall be connected to the authorized outlet within one month from the date of issue of this consent.
23. The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents:-
 - (i) Once in Year for Small Scale Industries.
 - (ii) Four in a Year for Large/Medium Scale Industries.
 - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
24. The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.
25. The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.
26. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
27. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
29. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.
30. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
 - (i) Where unavoidable to prevent loss of life or some property damage or
 - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
31. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.
32. The industry shall comply with the code of practice as notified by the Government/ Board for the type of industries where the siting guidelines/ code of practice have been notified.
33. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner to prevent any pollutants from such materials from entering into natural water.
34. The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes
35. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system/ effluent treatment plant.
36. The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period.

37. Where excessive storm water drainage or run off, would damage facilities necessary for compliance with terms and conditions of this consent, the applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
38. The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.
39. The industry shall ensure that the effluent discharged by it is toxicity free.
40. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
41. Drains causing oil & grease contamination shall will be segregated, Oil & grease trap shall be provided to recover oil & grease from the effluent.
42. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month.
43. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.

B. SPECIAL CONDITIONS

1. The industry shall develop Green belt over an area equivalent to 33% of the plant area in accordance with CPCB guidelines within 2 months' time period.
2. The industry will obtain necessary amendment in the EC conditions w.r.t. addition of the area to achieve minimum 33% area under Green Belt from SEIAA, Punjab within three months.
3. The industry shall make the existing piezowell near STP operational and provide additional piezowell near the ETP for ground water monitoring in consultation with Regional Office, FGS.
4. The industry shall provided rotary valves below the APCDs alongwith conveyer system to collect hazardous waste.
5. The industry shall comply with the guidelines/SOPs provided by PSCST, Chandigarh in the effective operation of APCD.
6. The industry shall comply with all the conditions of environmental clearance granted to it in true letter & spirit.
7. The industry shall comply with guidelines of PWRDA.
8. The industry will send its spent acid (HCL) generated from pickling/ galvanizing section qty 2 lakh ltr/month to CETP Charan and will not send to unauthorized agency at any time.



17/10/2022

(Om Parkash) Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)



PUNJAB POLLUTION CONTROL BOARD

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

Website:- www.ppcb.gov.in

Office Dispatch No :	Registered/Speed Post	Date:
Industry		Application No
Registration ID: R12PTA73369		: 19120035

To,

Sudhir Goyal

Madhav Krg Limited, village Akalgarh, Amlah Bhadson Road, near Toll Plaza Fatehgarhsahib, Fatehgarhsahib-147203

Subject: Renewal of 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.

With reference to your application for obtaining Renewal of 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

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

Consent to Operate Certificate No.	CTOA/Renewal/FGS/2022/19120035
Date of issue :	17/10/2022
Date of expiry :	31/03/2024
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Renewal/FGS/2021/16269700 From: 10/12/2021 To: 09/06/2022

2. Particulars of the Industry

Name & Designation of the Applicant	Sudhir Goyal, (Director)
Address of Industrial premises	Madhav Krg Limited, Vill. Akalgarh, Amlah Bhadson Road, near Toll Plaza, Amlah, Fatehgarh Sahib-147203
Capital Investment of the Industry	26798.04 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

"This is computer generated document from OCMB&S by PPCB"

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

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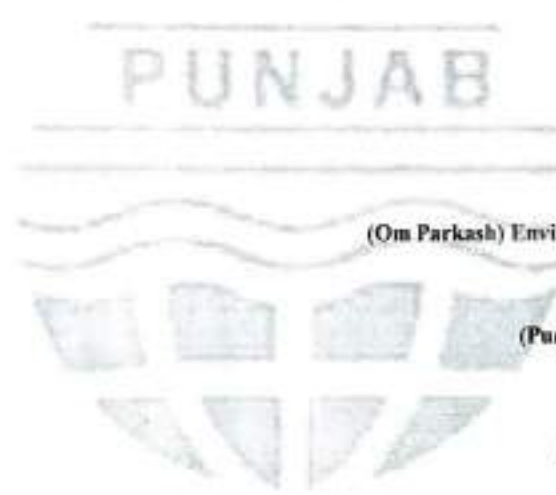
Office District	<i>Fatehgarh Sahib</i>
Consent Fee Details	<i>Rs. 12,93,485/- vide no. 646295572 dated 08/07/2021.</i>
Raw Materials (Name with Quantity per day)	<i>MS SCRAP @ 1206 MTD, DRI @ 193.41 MTD, Ferro Alloys & Sponge Iron @ 13.71 MTD, NaCl @ 0.29 MTD, HCL @ 8000 Liter/day, HR COIL @ 120000 MT/Year, MS TMT @ 30000 MT/Year and ZINC @ 2 MTD.</i>
Products (Name with Quantity per day)	<i>MS Billet @ 450000 MT/Year, TMT Bars/Wire Rod/ MS Round @ 420000 MT/Year, ERW and MS BLACK PIPE/GALV ANIZING PIPE @ 120000 MT/Year, GALVANIZED TMT and REBARS @ 30000 MT/Year.</i>
By-products, if any, (Name with Quantity per day)	<i>Nil.</i>
Details of the machinery and process	<i>As per details given in application form no. 19120035 TMT Unit : Raw Material Furnace Loading Melting Tapping Refining High Speed Casting Rolling. Pipe Unit: Raw Material Slitting Looping Forming Welding Sizing & Cutting Bundling Dispatch. Continuous galvanizing Rebars : Arrival of Rebar Degreasing- Pickling Rinsing- Fluxing- Preheater Galvanizing Quenching Dryer- Bundling/ Packaging Section- Dispatch.</i>
Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.	<i>Diesel 600 Ltr/day in hot water generator capacity 4 Lac Kcal/day, Wood 11500 Kg/day in hot water generator capacity 6000 Kcal/hr and HSD as per requirement for 4 no. silent DG sets of capacity 600 KVA x 2, 200 KVA and 50 KVA.</i>
Type of Air Pollution Control Devices to be installed	<i>Common Multi cyclone followed by bag filter house as APCD with furnace no. 1 & 2 capacity 25 TPH each alongwith dog house type collection hood over the furnaces. Also, installed separate dog house type collection hood followed by multi cyclone & bag filter house as APCD with 3rd induction furnace of capacity 25 TPH. Common water scrubber with one no. pickling & galvanizing section capacity 200 MTD and separate common water scrubber with pickling & galvanizing section capacity 80 MTD.</i>

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Madhav Kreg Limited, Vill. Abulgarh, Amloh Bypass Road, Near Toll Plaza, Amloh, Fatehgarh Sahib, 147203

Page 2

Stack height provided with each boiler/thermo heater/Furnace etc.	<p>Common stack of height 40 mtr above ground level provided with APCD of induction furnace 1 & 2.</p> <p>Stack of height 40 mtr above ground level provided with APCD of 3rd induction furnace.</p> <p>Stack of height 15 mtr each above ground level provided with APCD of pickling & galvanizing section capacity 200 MTD, pickling & galvanizing section capacity 80 MTD.</p> <p>Stack of height 15 mtr each above ground level provided with hot water generator capacity 4 Lac Kcal/day and 6000 Kcal/hr.</p> <p>Adequate stack height provided with 4 no. silent DG sets of capacity 600 KVA x 2, 200 KVA and 50 KVA.</p>
Sources of emissions and type of pollutants	<p>Process/ flue gas emissions.</p>
Standards to be achieved under Air(Prevention & Control of Pollution) Act, 1981	<p>As per stack emission standards prescribed by the Board/ MoEF&CC as amended from time to time.</p>



Om Parkash
17/10/2022

(Om Parkash) Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:
The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Fatehgarh Sahib. She is requested to ensure the compliance of the consent conditions and submit the report accordingly.

Om Parkash
17/10/2022

(Om Parkash)
Environmental Engineer
For & on behalf
of

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TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Ltd. or for getting loan from the financial institutions.
2. The industry shall apply for renewal /extension of consent at least two months before expiry of the consent.
3. The industry shall not violate any of the norms prescribed under the Air (Prevention & Control of Pollution) Act, 1981, failing which, the consent shall be cancelled / revoked.
4. The achievement of adequacy and efficiency of the air pollution control devices installed shall be the entire responsibility of the industry
5. The authorized fuel being used shall not be changed without the prior written permission of the Board.
6. The industry shall not discharge any fugitive emissions. All gases shall be emitted through a stack of suitable height, as per the norms fixed by the Board from time to time.
7. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (D_e) shall be calculated from the following equation to determine upstream, downstream distance:-

$$D_e = 2 L W / (L+W)$$
 Where L= length in mts. W= Width in mts.
 - ii) The sampling port shall be 7 to 10 cm in diameter
8. The industry shall put display Board indicating environmental data in the prescribed format at the main entrance gate.
 9. The industry shall discharge all-gases through a stack of minimum height as specified in the following standards laid down by the Board.

(i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2.5 times the height of neighboring building which ever is more
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr.	15 meters
4.	More than 10 ton/hr. to 15 ton/hr.	18 meters
5.	More than 15 ton/hr. to 20 ton/hr.	21 meters
6.	More than 20 ton/hr. to 25 ton/hr.	24 meters
7.	More than 25 ton/hr. to 30 ton/hr.	27 meters
8.	More than 30 ton/hr.	30 meters or using the formula $H = 14 Q_g^{0.3}$ $H = 74 (Q_p)^{0.24}$ Where Q_g = Quantity of SO ₂ in Kg/hr. Q_p = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt.
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The pollution control devices shall be interlocked with the manufacturing process of the industry to ensure its regular operation.
11. The existing pollution control equipment shall be altered or replaced in accordance with the directions of the Board, and no pollution control equipment or chimney shall be altered or as the case may be erected or reerected except with the prior approval of the Board.
12. The industry will provide canopy and adequate stack with the D.G sets so as to comply with the provision of notification No GSR-371 E dated 17-5-2002(amended from time to time) issued by MOEF under Environment (Protection) Act, 1986.
13. The Govt. of Punjab, Department of Science, Technology & Environment vide its notification no.4/46/923ST/2839 dt. 29/12/1993 has put prohibition on the use of rice husk as fuel after 1.4.1995 except the following:-

½ In the form of briquettes and use of rice husk in fluidized bed combustion. So the industry shall make the necessary arrangement to comply with the above notification. ½

14. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year
15. That the industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
16. a) The industry shall ensure that at any time the emission do not exceed the prescribed emissions standards laid down by the Board from time to time for such type of industry /emissions.
b) The industry shall ensure that the emissions from each stack shall conform to the following emission standards laid down by the Board in respect of the Industrial Boilers.

Steam Generating	Required particulate matter B, capacity
A.	
Area upto 5 Km from Other than 'A' class Other than the periphery of I and Class-II town	

<i>Less than 2 ton/hr.</i>	800 mg/NM3	1200 mg/NM3
<i>2 ton to 10 ton/hr.</i>	500 mg/NM3	1000 mg/NM3
<i>Above 10 ton to 15 ton/hr</i>	350 mg/NM3	500 mg/NM3
<i>Above 15 ton/hr</i>	150 mg/NM3	150 mg/NM3

All emissions normalized to 12% carbon dioxide.

17. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, without any adverse effect on the environment, in any manner.
18. The air pollution control equipments shall be kept at all time in good running condition and;
 - (i) All failures of control equipments.
 - (ii) The emissions of any air pollutant into the atmosphere in excess of the standards lay down by the Board occurring or being apprehended to occur due to accident or other unforeseen act or event, 'Shall be intimated through fax to the concerned Regional Office as well as to the Director of Factories, Punjab, Chandigarh as required under rule 10 of the Punjab State Board for the Prevention and Control of Air Pollution Rules, 1983'.
19. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
20. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
21. The industry shall comply with the conditions imposed by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
22. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-
 - (i) Once in Year for Small Scale Industries.
 - (ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.
23. The industry shall maintain the following record to the satisfaction of the Board :-
 - (i) Log books for running of air pollution control devices or pumps/motors used for it.
 - (ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.
 - (iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.
24. The industry will install the separate energy meter for running pollution control devices and shall maintain record with respect to operation of air pollution control device so as to satisfy the Board regarding the regular operation of air pollution control device and monthly reading / record may be sent to the Board by the fifth of the following month.
25. The industry shall provide online monitoring system as applicable, for in stack emission and shall maintain the record of the same for inspection of the Board Officers.
26. The Board reserves the right to revoke the consent granted to the industry at any time, in case the industry is found violating the provisions of Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
27. The industry shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.
28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.

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Madhav Erg Limited, Vill. Akalgarh, Amloh Bhaboon Road, Near Toll Plaza, Amloh, Ferozpur Sahib, 147203

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29. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
30. The industry shall dispose off its solid waste generated by the burning of fuel in an Environmentally Sound Manner within the premises/outside as approved by the Board, to avoid public nuisance and air pollution problem in the area.
31. The industry shall ensure that no air pollution problem or public nuisance is created in the area due to the discharge of emissions from the industry.
32. The industry shall provide adequate arrangement for fighting the accidental leakage/discharge of any air pollutant/gas/ liquids from the vessels, mechanical equipment's etc, which are likely to cause environmental pollution.
33. The industry shall not change or alter the manufacturing process(es) and fuel so as to change the quality/quantity of emissions generated without the prior permission of the Board.
34. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.
35. The industry shall obtain and submit Insurance cover under the Public Liability Insurance Act, 1991.
36. The industry shall provide proper and adequate air pollution control arrangements for control emission from its fuel handling area, if applicable.
37. The industry shall comply with the code of practice as notified by the Government/Board for the type of industries where the siting guidelines / Code of Practice have been notified.
38. The industry shall not cause any nuisance/traffic hazard in vicinity of the area
39. The industry shall ensure that the noise & air emission from D.G. sets do not exceed the standards prescribed for D.G. sets by the Ministry of Environment & Forests, New Delhi.
40. The industry shall ensure that there will not be significant visible dust emissions beyond the property line
41. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry.
42. The Industry shall ensure that its production capacity does not exceed the capacity mentioned in the consent and shall not carry out any expansion without the prior permission / NOC of the Board.

B. SPECIAL CONDITIONS

1. The industry shall develop Green belt over an area equivalent to 33% of the plant area in accordance with CPCB guidelines within 2 months time period
2. The industry will obtain necessary amendment in the EC conditions w.r.t. addition of the area to achieve minimum 33% area under Green Belt from SEIAA, Punjab within three months.
3. The industry will operate & maintain its air pollution control devices (APCDs), regularly and efficiently, so as to achieve the stack emission standards, consistently as prescribed by the Board/ MoEF&CC as amended from time to time.
4. The industry shall ensure that no black smoke should be emitted from the stack of the industry at any time.
5. The industry shall provided rotary valves below the APCDs alongwith conveyer system to collect hazardous waste.
6. The industry shall comply with the guidelines/SOPs provided by PSCST, Chandigarh in the effective operation of APCD.
7. The industry shall comply with all the conditions of environmental clearance granted to it in true letter & spirit.

Om Parkash

17/10/2022

(Om Parkash) 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 : 4045 Registered/Speed Post
Industry Registration ID : R12PTA73369

Date: 6/11/23
Application No : 23431116

To,
SUDHIR GOYAL
MADHAV KRG LIMITED, VILLAGE AKALGARH, AMLOH BHADSON ROAD, NEAR TOLL PLAZA
Fatehgarh Sahib, Fatehgarh Sahib-147203.

Subject: Renewal of Authorization for operating a facility for Generation, Storage, 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/2023/23431116
Previous Authorization No	HWM/renew/FGS/2019/9907914
Date of issue :	06/11/2023
Date of expiry :	31/03/2024
Previous Authorization Date of Issue :	20/07/2019
Previous Authorization Date of Expiry :	31/03/2023
Authorization Type :	renew

2. Particulars of the Industry

Name & Designation of the Applicant	SUDHIR GOYAL, (DIRECTOR)
Address of Industrial premises	Madhav krg limited, Vill. akalgarh, amloh bhadson road, near toll plaza, Amloh, Fatehgarh sahib-147203
Capital Investment of the Industry	26798.04 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 ana anodizing / enamellings/ galvanizing
Scale of the Industry	Large
Office District	Fatehgarh sahib

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

The renewal of authorization granted to the industry vide no. HWM/renew/FGS/2019/9907914 dated 20/07/2019 valid upto 30/09/2023 under the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 is hereby further renewed upto 31/03/2024 for hazardous waste category 35.1 @ 1500 TPA, 35.3 @ 20 TPA, 5.1 @ 0.1 KL/Annum and 33.1 @ 360 No./Annum with the same conditions as mentioned therein and following specific conditions:

1. The industry shall dispose off its hazardous waste generated to the Common Hazardous Waste Treatment & Disposal Facility/ registered re-cycler as per provisions of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
2. The industry shall handle the Hazardous Waste(s) strictly in accordance with the provisions of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 and guidelines issued by Central Pollution Control Board / Ministry of Environment & Forests and Climate Change, New Delhi.
3. The occupier generating hazardous waste/operator of a facility for collection and storage of hazardous waste shall maintain records of such operations in Form-3.
4. The occupier/operator of a facility shall send annual returns to the Board in form-4 on or before 30th day of the June following to the financial year to which that return relates.
5. The Authorized person shall report, about the accident which occurs at the hazardous waste storage/treatment site immediately to the Board.
6. An occupier who is generating hazardous waste shall store his waste category wise on site in environmentally sound manner till its treatment.
7. An occupier /generator shall not store hazardous wastes in open ground. It must be stored in an isolated site away from plant operational area.
8. The storage tank/container of the hazardous wastes should be in good condition and made of (or lined with) an appropriate material which does not react with the waste contained in it and can withstand the physical and environment conditions during storage and handling.
9. The occupier generating hazardous waste shall mark each container holding hazardous waste with the marking "HAZARDOUS WASTE" both in English and Punjabi.
10. The storage area should be fenced properly and a sign Board indicating "DANGER" and "HAZARDOUS WASTE" sign & nature of the waste shall be placed at storage site.
11. The occupier generating hazardous waste shall provide the required safety devices like safety mask, goggles, hand-gloves, gum boots etc to the workers for handling the hazardous waste. The occupier shall impart training to the personnel/workers for handling and storage of hazardous wastes.
12. There should be sufficient & efficient provisions to avoid under ground water contamination from waste storage of hazardous wastes.
13. The occupier shall be responsible for any damage of life/or property during storage of his waste and will obtain Public Liability Insurance, wherever applicable.
14. The occupier and operator of a facility also be liable to reinstate or restore damaged or destroyed elements of the environment at his cost, failing which the occupier or the operator of a facility, as the case may be, shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by the State Pollution Control Board.
15. The industry shall take steps wherever feasible, for reduction in hazardous waste generated or recycled or reused.
16. The industry shall display on line data outside the main factory gate on display Board of size (6ft. * 4ft.) on quantity and nature of hazardous chemicals being used in the plant, water & Air emissions and hazardous waste generated within factory premises.
17. Non compatible hazardous waste and material shall not be mixed in the same storage container.
18. The occupier of the transport facility shall ensure that the hazardous waste is shifted in the container in a manner suitable for handling storage and transport and the labeling and packaging shall be easily visible and able to withstand physical condition and climatic factors.
19. Packaging, Labelling of Used/Waste oil shall be in accordance with the provisions of the rules made by the Central Government under the Motor Vehicles Act, 1988 and other guidelines issued from time to time.

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20. All hazardous waste chamber shall be provided with a general label as given in Form-8.
21. The occupier shall provide the transporter with relevant information in form to regarding the hazardous nature of the wastes and measures to be taken in case of an emergency.
22. The transporter shall transport the hazardous waste only in authorized vehicle for transportation of hazardous waste.
23. The person authorized for transportation of hazardous waste shall prior permission of the Board to close down the transportation facility.
24. The authorization is subject to the conditions mentioned above and also to such conditions as specified in the Hazardous waste (Management & Handling) Rules as amended from time to time framed under the Environment (Protection) Act 1986.
25. The industry shall lift the hazardous waste of Cat. 5.1 and 33.1 to the registered recyclers.

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

PUNJAB



06/11/2023

(Amit Kumar)
Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)

Dated:

Endst. No.:

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.



06/11/2023



ANNEXURE (6)

Centre for Environment and Food Technology Pvt. Ltd.An ISO 9001: 2015, ISO 45001: 2018 (OHSAS); ISO/IEC 17025: 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory**TEST REPORT**Issued To: M/s Madhav KRG Limited.,
(Previously Known as Madhav alloys Pvt. Ltd.)
Village- Akalgarh, Mandi, Gobindgarh (Pb).

Report No.	CEFT/2307/097	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	06.07.2023
Sampling Location	Within Premises	Date of Sample Receipt	07.07.2023
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2307/097
Sampling procedure	As per SOP	Date of test	07.07.2023 to 12.07.2023

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	30°C
5	Environmental Condition	Max temp. 33°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)	90	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	22	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	36	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	42	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6004: 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

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



- 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
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

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

Report No.	CEFT/2307/098	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	06.07.2023
Sampling Location	Within Premises	Date of Sample Receipt	07.07.2023
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2307/098
Sampling procedure	As per SOP	Date of test	07.07.2023 to 12.07.2023

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	30°C
5	Environmental Condition	Max temp. 33°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)	85	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)	22	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	42	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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End of Report

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



- 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.

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Centre for Environment and Food Technology Pvt. Ltd.

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NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT/2307/099	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	06.07.2023
Sampling Location	Within Premises	Date of Sample Receipt	07.07.2023
Sample Collected By	Lab Person	Sample LD.	CEFT/GEN/2307/099
Sampling procedure	As per SOP	Date of test	07.07.2023 to 12.07.2023

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	30°C
5	Environmental Condition	Max temp. 33°C
		Min temp. 26°C
6	Flow Rate of Sampling	Clear sky and wind direction west to east
7	Time Period for Sampling	0.5 LPM
8	Volume of Air Sampled	480Minutes
		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)	14	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	26	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	39	60.0 µg/m ³	IS 5182: 2006
5.	CO (One Hours)	ND	2.0 mg/m ³	NIOSH to 6604: 1996
6.	Nickel (Ni)	ND	20.0 ng/m ³	IS 5182 (Part-22): 2004
7.	Arsenic (As)	ND	6.0 ng/m ³	IS 5182 (Part-22): 2004
8.	Lead (Pb)	ND	1.0 µg/m ³	IS 5182 (Part-22): 2004
9.	Banzene (C ₆ H ₆)	ND	5.0 µg/m ³	IS 5182 (Part-11): 2006
10.	Benzo(a)pyrene (BaP)	ND	1.0 ng/m ³	IS 5182 (Part-12): 2006
11.	Ammonia (NH ₃)	ND	400.0 µg/m ³	NIOSH to 6015: 1994
12.	Ozone (O ₃)	ND	100.0 µg/m ³	IS 5182 (Part-9): 1974

Note: ND denotes NOT Detectable

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End of Report

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



- Note: 1. The test results are related to the sample/ tested as identified.
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5. The Court jurisdiction will be Delhi.
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Centre for Environment and Food Technology Pvt. Ltd.

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NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT/2307/100	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Ambient Air Sample
Sample Code Given by Customer	Nil	Date of sampling	06.07.2023
Sampling Location	Within Premises	Date of Sample Receipt	07.07.2023
Sample Collected By	Lab Person	Sample ID.	CEFT/GEN/2307/100
Sampling procedure	As per SOP	Date of test	07.07.2023 to 12.07.2023

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	30°C
5	Environmental Condition	Max temp. 33°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)	90	100.0 µg/m ³	IS 5182: 2006
2.	Sulphur dioxide (SO ₂)	17	80.0 µg/m ³	IS 5182 (Part-2): 2006
3.	Nitrogen dioxide (NO ₂)	32	80.0 µg/m ³	IS 5182 (Part-6): 2006
4.	Fine particulate matter (PM _{2.5})	41	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

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



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TEST REPORT

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

Report No.	CEFT 2307 101	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Work Zone Air Sample
Sample Code Given by Customer	Nil	Date of sampling	06.07.2023
Sampling Location	Within Premises	Date of Sample Receipt	07.07.2023
Sample Collected By	Lab Person	Sample I.D.	CEFT GEN 2307 101
Sampling procedure	As per SOP	Date of test	07.07.2023 to 12.07.2023

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

Sr.N.	PARAMETERS	RESULTS	Standards	TEST METHOD
1.	Ammonia(NH ₄)	ND	18	NIOSH to 6015: 1994
2.	Lead (Pb)	0.14	50	IS 5182 (Part-22): 2004
3.	Nickel (Ni)	0.12	0.5	IS 5182 (Part-22): 2004
4.	Zinc Oxide(Total Dust)	0.30	15	OSHA, Method ID-143
	Respirable Fraction	0.102	05	OSHA, Method ID-143
5.	Cadmium(Cd)	ND	05	APHA 23 rd Edition 2017.1111 B

Note: ND Denotes Not Detectable

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End of Report

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



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TEST REPORT

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

Report No.	CEFT/2307/102	Report Date	12.07.2023
Your Ref. No.	Nil	Type of sample	ETP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	06.07.2023
Sampling Location	Within Premises	Date of sample receipt	07.07.2023
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2307/102
Sampling procedure	As per SOP	Date of test	07.07.2023- 12.07.2023

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH	1.23	IS 3025 (Part-11): 2002
2.	Total Suspended Solids, mg/L	48	IS 3025 (Part-17): 1984
3.	Total Dissolved Solid, mg/L	2356	IS 3025 (Part-16): 1984
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	180	IS 3025 (Part-44): 2003
5.	Chemical Oxygen Demand, mg/L	705	IS 3025 (part-58): 2006
6.	Oil and Grease, mg/L	22	IS 3025 (Part-39): 2003
7.	Total Hardness(as CaCO ₃) mg/l,	275	IS 3025 (Part-21): 2009
8.	Alkalinity (as CaCO ₃) mg/l	240	IS 3025 (Part-23): 2003
9.	Iron (as Fe) mg/l	40	IS 3025 (Part-53): 2003
10.	Conductivity, micro mhos/cm at 25°C	3256	IS 3025 (Part-14): 1984
11.	Total Phosphate as PO ₄	ND	IS 3025 (Part-31): 2003
12.	Chloride (as Cl), mg/l,	165	IS 3025 (Part-32): 2007
13.	Turbidity, NTU max	39	IS 3025 (Part-10): 2002

Note: ND Denotes Not Detectable

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TEST REPORT

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

Report No.	CEFT/2307/103	Report Date	12.07.2023
Your Ref. No.	Nil	Type of sample	ETP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
		Date of sampling	06.07.2023
Sampling Location	Within Premises	Date of sample receipt	07.07.2023
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2307/103
Sampling procedure	As per SOP	Date of test	07.07.2023 - 12.07.2023

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH			
2.	Total Suspended Solids, mg/L	7.61	5.5 - 9.0	IS 3025 (Part-11): 2002
3.	Total Dissolved Solid, mg/L	12	100	IS 3025 (Part-17): 1984
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	852	2100	IS 3025 (Part-16): 1984
5.	Chemical Oxygen Demand, mg/L	23	30	IS 3025 (Part-44): 2003
6.	Oil and Grease, mg/L	142	250	IS 3025 (part-58): 2006
7.	Total Hardness (as CaCO ₃) mg/l,	02	10	IS 3025 (Part-39): 2003
8.	Alkalinity (as CaCO ₃) mg/l	185	...	IS 3025 (Part-21): 2009
9.	Iron (as Fe) mg/l	199	...	IS 3025 (Part-23): 2003
10.	Conductivity, micro mhos/cm at 25°C	0.12	03	IS 3025 (Part-53): 2003
11.	Total Phosphate as PO ₄	1110	...	IS 3025 (Part-14): 1984
12.	Chloride (as Cl), mg/l,	ND	05	IS 3025 (Part-31): 2003
13.	Turbidity, NTU max	65	...	IS 3025 (Part-57): 2007
		<01	...	IS 3025 (Part-10): 2002

Note: ND Denotes Not Detectable

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End of Report

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TEST REPORT

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

Report No.	CEFT/2307/104	Report Date	12.07.2023
Your Ref. No.	Nil	Type of sample	ETP RO Reject Water
Sample Code given by customer	After RO	Quantity	2 LITER
Sampling Location	Within Premises	Date of sampling	06.07.2023
Sample Collected By	Lab Person	Date of sample receipt	07.07.2023
Sampling procedure	As per SOP	Sample LD.	CEFT/GEN/2307/104
		Date of test	07.07.2023- 12.07.2023

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH		
2.	Total Suspended Solids, mg/L	8.20	IS 3025 (Part-11): 2002
3.	Total Dissolved Solid, mg/L	ND	IS 3025 (Part-17): 1984
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	969	IS 3025 (Part-16): 1984
5.	Chemical Oxygen Demand, mg/L	06	IS 3025 (Part-44): 2003
6.	Oil and Grease, mg/L	32	IS 3025 (part-58): 2006
7.	Total Hardness (as CaCO ₃) mg/l,	ND	IS 3025 (Part-39): 2003
8.	Alkalinity (as CaCO ₃) mg/l	225	IS 3025 (Part-21): 2009
9.	Iron (as Fe) mg/l	256	IS 3025 (Part-23): 2003
10.	Conductivity, micro mhos/cm at 25° C	0.29	IS 3025 (Part-53): 2003
11.	Total Phosphate as PO ₄	1370	IS 3025 (Part-14): 1984
12.	Chloride (as Cl), mg/l,	ND	IS 3025 (Part-31): 2003
13.	Turbidity, NTU max	256	IS 3025 (Part-32): 2007
		<01	IS 3025 (Part-10): 2002

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TEST REPORT

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

Report No.	CEFT/2307/105	Report Date	12.07.2023
Your Ref. No.	Nil	Type of sample	STP Inlet
Sample Code given by customer	Nil	Quantity	2 LITER
Sampling Location	Within Premises	Date of sampling	06.07.2023
Sample Collected By	Lab Person	Date of sample receipt	07.07.2023
Sampling procedure	As per SOP	Sample I.D.	CEFT/GEN/2307/105
		Date of test	07.07.2023- 12.07.2023

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH		
2.	Total Suspended Solids, mg/L	6.89	IS 3025 (Part-11): 2002
3.	Total Dissolved Solid, mg/L	115	IS 3025 (Part-17): 1984
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	799	IS 3025 (Part-16): 1984
5.	Chemical Oxygen Demand, mg/L	135	IS 3025 (Part-44): 2003
6.	Oil and Grease, mg/L	526	IS 3025 (part-58): 2006
7.	Total Hardness (as CaCO ₃) mg/l,	45	IS 3025 (Part-39): 2003
8.	Alkalinity (as CaCO ₃) mg/l	245	IS 3025 (Part-21): 2009
9.	Iron (as Fe) mg/l	250	IS 3025 (Part-23): 2003
10.	Conductivity, micro mhos/cm at 25°C	0.32	IS 3025 (Part-53): 2003
11.	Total Phosphate as PO ₄	1090	IS 3025 (Part-14): 1984
12.	Chloride (as Cl), mg/l,	09	IS 3025 (Part-31): 2003
13.	Turbidity, NTU max	85	IS 3025 (Part-32): 2007
		45	IS 3025 (Part-10): 2002

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TEST REPORT

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

Report No.	CEFT/2307/106	Report Date	12.07.2023
Your Ref. No.	Nil	Type of sample	STP Outlet
Sample Code given by customer	Nil	Quantity	2 LITER
Sampling Location	Within Premises	Date of sampling	06.07.2023
Sample Collected By	Lab Person	Date of sample receipt	07.07.2023
Sampling procedure	As per SOP	Sample I.D.	CEFT/GEN/2307/106
		Date of test	07.07.2023- 12.07.2023

S. NO.	PARAMETERS	TEST RESULTS	Limits	TEST METHODS
1.	pH			
2.	Total Suspended Solids, mg/L	7.44	5.5 - 9.0	IS 3025 (Part-11): 2002
3.	Total Dissolved Solid, mg/L	25	100	IS 3025 (Part-17): 1984
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	563	2100	IS 3025 (Part-16): 1984
5.	Chemical Oxygen Demand, mg/L	28	30	IS 3025 (Part-44): 2003
6.	Oil and Grease, mg/L	99	250	IS 3025 (part-58): 2006
7.	Total Hardness(as CaCO ₃) mg/l.	07	10	IS 3025 (Part-39): 2003
8.	Alkalinity (as CaCO ₃) mg/l	185	...	IS 3025 (Part-21): 2009
9.	Iron (as Fe) mg/l	192	...	IS 3025 (Part-23): 2003
10.	Conductivity, micro mhos/cm at 25°C	0.15	03	IS 3025 (Part-53): 2003
11.	Total Phosphate as PO ₄	1350	...	IS 3025 (Part-14): 1984
12.	Chloride (as Cl), mg/l.	0.15	05	IS 3025 (Part-31): 2003
13.	Turbidity, NTU max	74	...	IS 3025 (Part-32): 2007
		09	...	IS 3025 (Part-10): 2002

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End of Report

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TEST REPORT

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

Report No.	CEFT 2307 107	Report Date	12.07.2023
Your Ref. No.	Nil	Type of sample	STP Ro Reject Water
Sample Code given by customer	After RO	Quantity	2 LITER
Sampling Location	Within Premises	Date of sampling	06.07.2023
Sample Collected By	Lab Person	Date of sample receipt	07.07.2023
Sampling procedure	As per SOP	Sample ID.	CEFT GEN 2307 107
		Date of test	07.07.2023 - 12.07.2023

S. NO.	PARAMETERS	TEST RESULTS	TEST METHODS
1.	pH		
2.	Total Suspended Solids, mg/L	7.97	IS 3025(Part-11): 2002
3.	Conductivity, mhos/cm	03	IS 3025 (Part-17): 1984
4.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	1080	IS 3025 (Part-14): 1984
5.	Chemical Oxygen Demand, mg/L	NIL	IS 3025 (Part-44): 2003
6.	Phosphate as PO ₄ , mg/L	03	IS 3025 (part-58): 2006
7.	Residual Sodium Carbonate	0.3	IS 3025 (Part-31): 2003
8.	Sodium Absorption ratio	0.19	Lab SOP
9.	Ammonical Nitrogen(as N)	26	By Calculation
10.	Total Nitrogen	ND	IS 3025 (Part-34): 2009
11.	Faecal Coliform as MPN	ND	IS:3025 (Part-34): 2003
		<01	IS 1622 : 2003

Note: ND Denotes Not Detectable

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TEST REPORT

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

Report No.	CEFT/2307/108	Report Date	12.07.2023
Your Ref. No	NIL	Type of sample	Ambient Noise
Sample Code Given by Customer	NIL	Date of Monitoring	06.07.2023
Sampling Location	Within Premises	Sample I.D.	CEFT/GEN/2307/108
Sample Monitored By	Lab Person	Date of test	06.07.2023
Sampling procedure	As per SOP		

Sr. No.	Location	Results dB(A)Leq	Standards dB(A)Leq	Test Method
1	Near Main Gate	71.3	75(DAY) As per Rule 2010	IS 9989 : 2008
2	Near Gate No-2/F.G Gate	70.2	75(DAY) As per Rule 2010	IS 9989 : 2008
3	Near Stack Area	71.6	75(DAY) As per Rule 2010	IS 9989 : 2008
4	Near Pipe and Tube Plant	72.5	75(DAY) As per Rule 2010	IS 9989 : 2008

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End of Report

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


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TEST REPORT

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

Report No.	CEFT 2307 110	Report Date.	12.07.2023
Your Ref. No.	Nil		
Type of soil	Sandy loam and Brownish in colour	Type of sample	Soil Natural
		Quantity	5 Kg
Sampling Location	Near Admin office	Date of sampling	06.07.2023
Sample Collected By	Lab Person	Date of sample receipt	07.07.2023
Sampling procedure	As per SOP	Sample I.D.	CEFT GEN 2307 110
		Date of test	07.07.2023 to 12.07.2023

SR. NO.	PARAMETERS	UNITS OF MEASUREMENT	RESULT	TEST METHODS
1.	Colour	-----	Brownish	IS:2720
2.	pH	-----	7.45	IS:2720(Pt.26)2007
3.	Conductivity (EC)	micro mhos/cm at 25°C (Soil Water Ratio- 1:2)	248	IS:14767:2000
4.	Moisture Content	%	7.8	USDA:1954/Reaff.2010 Page 107
5.	Bulk Density	gm/cm ³	1.33	USDA:1954/Reaff.2010 Page 121
6.	Water Holding Capacity(WHC)	%	37	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	%	25	USDA:1954/Reaff.2010 Page 30
10.	Clay	%	22	USDA:1954/Reaff.2010 Page 30
11.	Organic Carbon	%	0.23	IS:2720:USDA-2010
12.	Total Kjeldahl Nitrogen(Available)	Kg/ha	34	IS:2720:USDA-2010
13.	Cation Exchange Capacity	%	0.05	USDA:1954/Reaff.2010 Page 107 IS: 2720(Pt. 24)1976/Reaff.2005
14.	Available Nitrogen	Kg/ha	17	IS:2720:USDA-2010

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



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TEST REPORT

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

Report No.	CEFT/2307/096	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD	Date of sampling	06.07.2023
		Date of Sample Receipt	07.07.2023
Sampling Location	Within Premises	Sample I.D.	CEFT/GEN/2307/096
Sample Collected By	Lab Person		
Sampling procedure	As per SOP	Date of test	07.07.2023-12.07.2023

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	9.9m/s
6	Sampling Duration	46min.
7	Ambient air temperature	30 °C
8	Stack temperature	105°C
9	Stack height from ground level	40 Mtr (GL)
10	Diameter of stack	U-1.6Mtr L-3Mtr
11	No. of traverse point selected	01
12	Type of APCD Installed	Cyclone & Bag House Filter

S. NO	PARAMETER	RESULT (mg/nm ³)	Limits (mg/nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	15.2	50	IS:11255(Pt -1): 1985

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**** End of Report ****

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



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Centre for Environment and Food Technology Pvt. Ltd.

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

TEST REPORT

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

Report No.	CEFT/2307/111	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	NEW	Date of sampling	06.07.2023
		Date of Sample Receipt	07.07.2023
Sampling Location	Within Premises	Sample I.D.	CEFT/GEN/2307/111
Sample Collected By	Lab Person		
Sampling procedure	As per SOP	Date of test	07.07.2023-12.07.2023
TECHNICAL DATA			
1	Instrument Used for Sampling	VSSI	
2	Source of Emission	Process Stack of Induction Furnace	
3	Fuel used in source	Electricity	
4	Type of stack	Circular of Metal	
5	Velocity of fuel gases	10.23m/s	
6	Sampling Duration	48min.	
7	Ambient air temperature	30 °C	
8	Stack temperature	132°C	
9	Stack height from ground level	40 Mtr (GL)	
10	Diameter of stack	U-1.85Mtr L-3Mtr	
11	No. of traverse point selected	01	
12	Type of APCD Installed	Cyclone & Bag House Filter	

S. NO	PARAMETER	RESULT (mg/nm ³)	Limits (mg/nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	9.23	50	IS:11255(Pt-1): 1985

Page No. 1/1

**** End of Report ****

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



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NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

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

Report No.	CEFT/2307/112	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	OLD HCL / CGL	Date of sampling	06.07.2023
		Date of Sample Receipt	07.07.2023
Sampling Location	Within Premises	Sample LD.	CEFT/GEN/2307/112
Sample Collected By	Lab Person		
Sampling procedure	As per SOP	Date of test	07.07.2023-12.07.2023

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	8.56m/s
6	Sampling Duration	50 min.
7	Ambient air temperature	30 °C
8	Stack temperature	85°C
9	Stack height from ground level	17 Mtr (GL)
10	Diameter of stack	400mm
11	No. of traverse point selected	01
12	Type of APCD Installed	Wet Scrubber

S. NO	PARAMETER	RESULT (mg/nm ³)	Limits (mg/nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	19.6	50	IS:11255(Pt-1): 1985
2.	Acid Mist(as HCL), mg/Nm ³	10	50	LAB SOP

Page No. 1/1

**** End of Report ****

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



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Centre for Environment and Food Technology Pvt. Ltd.

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

TEST REPORT

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

Report No.	CEFT/2307/113	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Nil	Date of sampling	06.07.2023
		Date of Sample Receipt	07.07.2023
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample LD.	CEFT/GEN/2307/113
Sampling procedure	As per SOP	Date of test	07.07.2023-12.07.2023

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	10.23m/s
6	Sampling Duration	46 min.
7	Ambient air temperature	30 °C
8	Stack temperature	90°C
9	Stack height from ground level	15 Mtr (GL)
10	Diameter of stack	500mm
11	No. of traverse point selected	01
12	Type of APCD Installed	Wet Scrubber

S. NO	PARAMETER	RESULT (mg/nm ³)	Limits (mg/nm ³) CPCB-2010	TEST METHOD
1.	Particulate Matter, mg/Nm ³	18.6	50	IS:11255(Pt-1): 1985

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**** End of Report ****

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



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

TEST REPORT

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

Report No.	CEFT/2307/114	Report Date	12.07.2023
Your Ref. No	Nil	Type of sample	Process Stack
Sample Code given by Customer	Pipe And Tube Plant	Date of sampling	06.07.2023
		Date of Sample Receipt	07.07.2023
Sampling Location	Within Premises		
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2307/114
Sampling procedure	As per SOP	Date of test	07.07.2023-12.07.2023

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	9.58m/s
6	Sampling Duration	47min.
7	Ambient air temperature	30 °C
8	Stack temperature	122°C
9	Stack height from ground level	15 MTR (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	24.1	IS:11255(Pt-1): 1985

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**** End of Report ****

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

Authorised Signatory

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TEST REPORT

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

Report No.	CEFT2307/116	Report Date	12.07.2023
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-1	Quantity	05 LITER
		Date of sampling	06.07.2023
Sampling Location	Nil	Date of sample receipt	07.07.2023
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2307/116
Sampling procedure	As per SOP	Date of test	07.07.2023-12.07.2023

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	7.12	6.5 – 8.5	No relaxation	IS 3025 (Part-11) : 2002
2	Total Dissolved Solids mg/l Max	656	500	2000	IS 3025 (Part-16) : 2002
3	Alkalinity (as CaCO ₃) mg/l ,Max	378	200	600	IS 3025 (Part-23) : 2003
4	Chloride (as Cl ₁) mg/l, Max	198	250	1594	IS 3025 (Part-32) : 2007
5	Sulphate (as SO ₄) mg/l, Max	56	200	400	IS 3025 (Part-24) : 2003
6	Calcium (as Ca) mg/l Max	70	75	200	IS 3025 (Part-40) : 2002
7	Magnesium (as Mg) mg/l, Max	28	30	100	IS 3025 (Part-46) : 2003
8	Total Hardness(as CaCO ₃) mg/l, Max	345	200	600	IS 3025 (Part-21) : 2009
9	Sodium (as Na) mg/l Max	62	-	-	IS 3025 (Part-45) : 2003
10	Potassium (as K) mg/l Max	18	-	-	IS 3025 (Part-45) : 2003
11	Nitrate (as NO ₃) mg/l, Max	42	45	No relaxation	IS 3025 (Part-34) : 2003
12	Fluoride (as F) mg/l Max	0.8	1.0	1.5	APHA 4500F (D) : 2017
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	0.9	1.0	No relaxation	IS 3025 (Part-53) : 2003
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	2.7	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	ABSENT/100ml	Absent per 100 ml	IS:15185:2016
2	Coliform	ABSENT/100ml	Absent per 100 ml	IS:15185:2016

Note: ND Denotes Not Detectable

Page No 1/1

**** End of Report ****

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

Authorized Signatory

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

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

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Centre for Environment and Food Technology Pvt. Ltd.

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TEST REPORT

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

Report No.	CEFT/2307/117	Report Date	12.07.2023
Your Ref. No.	Nil	Type of sample	Ground Water
Sample Code Given by Customer	Piezometer-2	Quantity	05 LITER
		Date of sampling	06.07.2023
Sampling Location	Nil	Date of sample receipt	07.07.2023
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2307/117
Sampling procedure	As per SOP	Date of test	07.07.2023-12.07.2023

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	7.00	6.5 – 8.5	No relaxation	IS 3025 (Part-11): 2002
2	Total Dissolved Solids mg/l Max	585	500	2000	IS 3025 (Part-16): 2002
3	Alkalinity (as CaCO ₃) mg/l ,Max	336	200	600	IS 3025 (Part-23): 2003
4	Chloride (as Cl) mg/l, Max	170	250	1594	IS 3025 (Part-32): 2007
5	Sulphate (as SO ₄) mg/l, Max	45	200	400	IS 3025 (Part-24): 2003
6	Calcium (as Ca) mg/l Max	68	75	200	IS 3025 (Part-40): 2002
7	Magnesium (as Mg) mg/l, Max	27	30	100	IS 3025 (Part-46): 2003
8	Total Hardness: (as CaCO ₃) mg/l, Max	290	200	600	IS 3025 (Part-21): 2009
9	Sodium (as Na) mg/l Max	55	-	-	IS 3025 (Part-45): 2003
10	Potassium (as K) mg/l Max	17	-	-	IS 3025 (Part-45): 2003
11	Nitrate (as NO ₃) mg/l, Max	36	45	No relaxation	IS 3025 (Part-34): 2003
12	Fluoride (as F) mg/l Max	0.6	1.0	1.5	APHA 4500F (D): 2017
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	0.8	1.0	No relaxation	IS 3025 (Part-53): 2003
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	3.0	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	ABSENT/100ml	Absent per 100 ml	IS:15185:2016
2	Coliform	ABSENT/100ml	Absent per 100 ml	IS:15185:2016

Note: ND Denotes Not Detectable



**** End of Report ****

Page No. 1/1

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

Authorised Signatory

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ANNEXURE (T1)

Message 1 Madhav NRG Ltd. Six monthly compliance 31.03.2023 (38 MB)

From: regulator@madhavnrsgroup.com <regulator@madhavnrsgroup.com>

Sent: 11 October 2023 09:38

To: 'compliance-nr@gov.in' <compliance-nr@gov.in>, 'tor.chd.mef@nic.in' <tor.chd.mef@nic.in>

Cc: 'E- FGS' <eefgs@gmail.com>, 'SEIMA NB' <seimapb2017@gmail.com>

Subject: Regarding Six monthly compliance of M/s Madhav NRG Ltd. for period ending 31.03.2023

Dear Sir,

We are hereby submitting six-monthly compliance report for the period ending 31.03.2023 for our Steel Manufacturing Unit namely "M/s Madhav KRG Ltd." located at Village Akhigrah & Bhagwanpura, Tehsil Nahan & Ambik. Dist. Patiala & Ferozgarh Sahib, Punjab.

Kindly acknowledge the receipt of the same.

Warm Regards
Swarn Jeet Singh

AGM-Regulatory
+91 9115101607 (Ext.243)



PROJECT PHOTOGRAPHS





Photographs showing Green area provided within project premises





Photographs showing Solar Panels

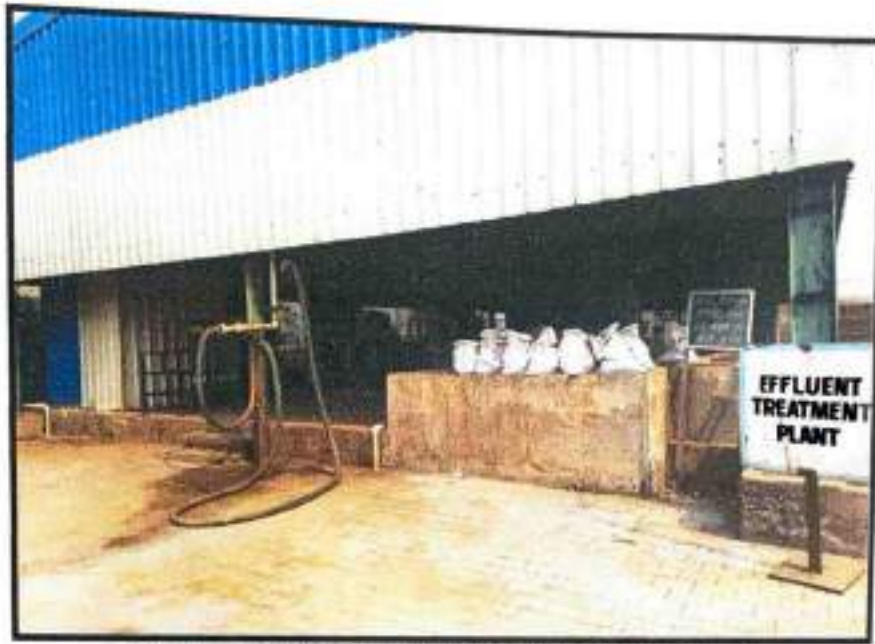




Photographs showing Fire Safety Equipment



Photographs showing Sewage Treatment Plant



Photographs showing Effluent Treatment Plant



Photograph showing Hazardous waste storage area

Photographs of Rejuvenation of pond activity





ਸਰਪੰਚ ਗ੍ਰਾਮ ਪੰਚਾਇਤ ਪਿੰਡ ਘੁੰਡਰ

ਵੱਲੋਂ **ਸਰਪੰਚ ਗ੍ਰਾਮ ਪੰਚਾਇਤ**
ਪਿੰਡ ਘੁੰਡਰ
 ਬਲਾਕ ਨਾਭਾ, ਜਿਲ੍ਹਾ ਪਟਿਆਲਾ
 ਮੋ. 94633-78300

ਵੱਲੋਂ _____

ਵਿਸ਼ਾ:

ਪੱਤਰ ਨੰ. 50.....

ਮਿਤੀ: 1-1-2021

ਪੰਨਵਾਦੀ ਪੱਤਰ

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

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

ਸ੍ਰੀ ਮਾਨ ਜੀ,

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

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

ਪੰਨਵਾਦ ਸਹਿਤ,

ਮਿਤੀ: 1-1-2021

(Signature) ਸਰਪੰਚ
 ਗ੍ਰਾਮ ਪੰਚਾਇਤ ਪਿੰਡ ਘੁੰਡਰ
 ਤਹਿ ਨਾਭਾ (ਪਟਿਆਲਾ)

Sarpanch Gram Panchayat Vill. Chehal

Tehsil Nabha Distt. Patiala - 147202

Mob. 9888805193

Ref. No

Dated

ਪੰਨਵਾਦੀ ਪੱਤਰ

ਮਾਨਯੋਗ ਡਾਇਰੈਕਟਰ,
ਮਾਧਵ ਕੇ. ਆਰ. ਜੀ. ਲਿਮਿਟਡ,
ਅਕਾਲਗੜ, ਜਿਲਾ ਪਟਿਆਲਾ (ਪੰਜਾਬ).

ਵਿਸ਼ਾ:- ਪਿੰਡ ਵਿੱਚ 3.5 ਏਕੜ ਦੇ ਲਗਭਗ ਬਰਸਾਤੀ ਟੇਡੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੇਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਕੀਤਾ ਖੇਤੀ-ਬਾਤੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜ ਹੋ ਰਿਹਾ ਹੈ, ਜਿਸ ਦਾ ਪੰਨਵਾਦੀ ਪੱਤਰ ।

ਸ਼੍ਰੀ ਮਾਨ ਜੀ.

ਆਪ ਜੀ ਦਾ ਪੰਨਵਾਦ ਕਰਦੇ ਹਾਂ ਕਿ ਪਿੰਡ ਚਹਿਲ ਤਹਿਸੀਲ ਨਾਭਾ ਬਲਾਕ ਤਾਦਸੋਂ ਜਿਲਾ ਪਟਿਆਲਾ ਵਿੱਖੇ ਏਕੜ ਦੇ ਲਗਭਗ ਬਰਸਾਤੀ ਟੇਡੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੇਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਨੂੰ ਸਾਫ਼ ਸੁਥਰਾ ਕਰਕੇ ਖੇਤੀ-ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜ ਹੋ ਰਿਹਾ ਹੈ । ਜਿਸ ਦਾ ਪਾਣੀ ਲਗਭਗ 1 ਲੱਖ 10 ਹਜ਼ਾਰ ਕਿਊਬਿਕ ਮੈਟਰਿਕ ਪ੍ਰਤੀ ਸਾਲ ਹੈ । ਤੁਹਾ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੇਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਨੂੰ ਸਾਫ਼ ਸੁਥਰਾ ਕੀਤਾ ਜੇ ਕਿ ਖੇਤੀ-ਬਾਤੀ, ਰੁੱਖਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜ ਹੋ । ਨਾਲ ਆਸ ਪਾਸ ਦੇ ਇਲਾਕੇ ਵਿੱਚ ਪਾਣੀ ਦਾ ਪੱਧਰ ਉੱਚਾ ਹੋ ਰਿਹਾ ਹੈ, ਇਸ ਪ੍ਰੋਜੈਕਟ ਰਾਹੀਂ ਜੇ ਪਾਣੀ ਸਾਫ਼ ਹੋ ਰਿਹਾ ਹੈ । ਜਦੋਂ ਖੇਤੀ-ਬਾਤੀ ਲਈ ਵਰਤ ਰਹੇ ਹਾਂ ਤਾਂ ਕੀਟ ਨਾਸਕ ਦਵਾਈਆਂ ਦੀ ਵਰਤੋਂ ਵੀ ਘੱਟ ਹੋ ਰਹੀ ਹੈ ਜਿਸ ਨਾਲ ਜ਼ਰਿਰ ਮੁਕਤ ਖੇਤੀ ਤੋਂ ਰਿਹਾ ਹੈ । ਜਿਹੜਾ ਗੁਣ ਬਰਸਾਤੀ ਟੇਡਾ ਹੈ ਇਸ ਪ੍ਰੋਜੈਕਟ ਨਾਲ ਬਹੁਤ ਤਰ੍ਹਾਂ ਦੀਆਂ ਬਿਮਾਰੀਆਂ ਪੈਦਾ ਹੋ ਰਹਿਆਂ ਸਨ ਜਿਵੇਂ ਕਿ : ਤੁਖਾਰ ਆਦਿ ਬਿਮਾਰੀਆਂ ਹੋਣ ਤੋਂ ਬਚਾਉ ਹੋ ਰਿਹਾ ਹੈ ।

ਸੇ ਆਪ ਜੀ ਦਾ ਪੰਨਵਾਦ ਕਰਦੇ ਹਾਂ ਕਿ ਇਸ ਬਰਸਾਤੀ ਟੇਡੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੇਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਸਾਫ਼ੀ ਮਦਦ ਕੀਤੀ ਸਾਂਤ ਸੰਤਾਲ ਸਾਫ਼ੇ ਦੁਆਰਾ ਕੀਤੀ ਜਾਵੇਗੀ ।

ਪੰਨਵਾਦ ਸਹਿਤ ।

ਮੰਦਰ ਸਿੰਘ

ਗ੍ਰਾਮ ਪੰਚਾਇਤ

ਬੇਨਤੀ ਕਰਤਾ

Signature
ਗ੍ਰਾਮ ਪੰਚਾਇਤ ਪਿੰਡ ਚਹਿਲ
ਬਲਾਕ ਨਾਭਾ ਪਟਿਆਲਾ

Signature

Signature

ਗੁਮ ਪੰਚਾਇਤ ਪਿੰਡ ਭੜੀ ਪਨੈਚਾ

ਬਲਾਕ ਨਾਭਾ, ਜਿਲਾ ਪਟਿਆਲਾ

ਪੱਤਰ ਨੰ:

ਮਿਤੀ.....

ਧਨਵਾਦੀ ਪੱਤਰ

ਮਾਨਯੋਗ-ਡਾਇਰੈਕਟਰ,
ਮਾਧਵ ਕੇ. ਆਰ. ਜੀ. ਲਿਮਿਟਡ,
ਐਕਾਲਗੰਡ, ਜਿਲਾ ਪਟਿਆਲਾ (ਪੰਜਾਬ)

ਵਿਸ਼ਾ: ਪਿੰਡ ਵਿੱਚ ਏਕਤ ਦੇ ਲਗਭਗ ਬਰਸਾਤੀ ਟੋਭੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਰੋਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਕੀਤਾ ਖੇਤੀ-ਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜਿੰਗ ਹੋ ਰਿਹਾ ਹੈ, ਜਿਸ ਸਬਧੀ ਧਨਵਾਦੀ ਪੱਤਰ ਹੈ।

ਸ੍ਰੀ ਮਾਨਯੋ,

ਆਪ ਜੀ ਦਾ ਧਨਵਾਦ ਕਰਦੇ ਹਾਂ ਕਿ ਪਿੰਡ ਭੜੀ ਪਨੈਚਾ, ਤਹਿਸੀਲ ਨਾਭਾ ਬਲਾਕ ਭਾਦਸੋਂ ਜਿਲਾ ਪਟਿਆਲਾ ਵਿੱਚ ਏਕਤ ਦੇ ਲਗਭਗ ਬਰਸਾਤੀ ਟੋਭੇ ਵਿੱਚ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਰੋਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਕੀਤਾ ਖੇਤੀ-ਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜਿੰਗ ਹੋ ਰਿਹਾ ਹੈ, ਜਿਸ ਸਬਧੀ ਧਨਵਾਦੀ ਪੱਤਰ ਹੈ। ਇਸ ਪ੍ਰੋਜੈਕਟ ਨਾਲ ਏਕਤ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਰੋਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਕੀਤਾ ਖੇਤੀ-ਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜਿੰਗ ਹੋ ਰਿਹਾ ਹੈ, ਜਿਸ ਸਬਧੀ ਧਨਵਾਦੀ ਪੱਤਰ ਹੈ। ਇਸ ਪ੍ਰੋਜੈਕਟ ਨਾਲ ਏਕਤ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਰੋਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਕੀਤਾ ਖੇਤੀ-ਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜਿੰਗ ਹੋ ਰਿਹਾ ਹੈ, ਜਿਸ ਸਬਧੀ ਧਨਵਾਦੀ ਪੱਤਰ ਹੈ।

ਜੇ ਆਪ ਜੀ ਦਾ ਧਨਵਾਦ ਕਰਦੇ ਹਾਂ ਕਿ ਇਸ ਬਰਸਾਤੀ ਟੋਭੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਰੋਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਕੀਤਾ ਖੇਤੀ-ਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਰਾਹੀਂ ਰਿਚਾਰਜਿੰਗ ਹੋ ਰਿਹਾ ਹੈ, ਜਿਸ ਸਬਧੀ ਧਨਵਾਦੀ ਪੱਤਰ ਹੈ।

ਧਨਵਾਦ ਸਹਿਤ ।

ਗੁਮ ਪੰਚਾਇਤ
ਬਲਾਕ ਨਾਭਾ (ਪਟਿਆਲਾ)

ਗੁਮ ਪੰਚਾਇਤ
ਬਲਾਕ ਨਾਭਾ (ਪਟਿਆਲਾ)

ਸਰਪੰਚ ਗ੍ਰਾਮ ਪੰਚਾਇਤ

ਪਿੰਡ ਜੱਸੋਮਾਜਰਾ, ਬਲਾਕ ਨਾਭਾ, ਜਿਲ੍ਹਾ ਪਟਿਆਲਾ

ਪੱਤਰ ਨੰ.

ਮਿਤੀ.....

ਧੰਨਵਾਦੀ ਪੱਤਰ

ਮਾਨਯੋਗ ਡਾਇਰੈਕਟਰ,
ਮਾਧਵ ਕੇ. ਆਰ. ਜੀ. ਲਿਮਿਟਡ,
ਮਾਕਲਗੜ, ਜਿਲਾ ਪਟਿਆਲਾ (ਪੰਜਾਬ).

ਦਿਸ਼ਾ:- ਪਿੰਡ ਵਿੱਚ 5 ਏਕੜ ਦੇ ਲਗਭਗ ਬਰਸਾਤੀ ਟੇਡੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੇਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਨੂੰ ਸਾਫ਼ ਸੁਖਰਾ ਕੀਤਾ ਖੇਤੀ-ਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਵਾਲੀ ਰਿਚਾਰਜ ਹੋ ਰਿਹਾ ਹੈ, ਜਿਸ ਸੰਬੰਧੀ ਧੰਨਵਾਦੀ ਪੱਤਰ ।

ਸ੍ਰੀ ਮਾਨ ਜੀ,

ਆਪ ਜੀ ਦਾ ਧੰਨਵਾਦ ਕਰਦੇ ਹਾਂ ਕਿ ਪਿੰਡ, ਜੱਸੋਮਾਜਰਾ ਤਹਿਸੀਲ ਨਾਭਾ ਬਲਾਕ ਤਾਦਸੋਂ ਜਿਲਾ ਪਟਿਆਲਾ ਵਿਖੇ ਪਿੰਡ ਵਿੱਚ 5 ਏਕੜ ਦੇ ਲਗਭਗ ਬਰਸਾਤੀ ਟੇਡੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੇਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਨੂੰ ਸਾਫ਼ ਸੁਖਰਾ ਕਰਕੇ ਖੇਤੀ-ਬਾੜੀ ਅਤੇ ਹੋਰ ਸਾਧਨਾਂ ਵਾਲੀ ਰਿਚਾਰਜ ਹੋ ਰਿਹਾ ਹੈ । ਜਿਸ ਦਾ ਪਾਣੀ ਲਗਭਗ 2 ਲੱਖ 50 ਹਜ਼ਾਰ ਕਿਊਬਿਕ ਮੀਟਰਿਕ ਪੁਰੀ ਸਾਲ ਹੈ । ਤੁਸੀਂ ਇਸ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੇਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਪਿੰਡ ਦੇ ਪਾਣੀ ਨੂੰ ਸਾਫ਼ ਸੁਖਰਾ ਕੀਤਾ ਜੋ ਕਿ ਖੇਤੀ-ਬਾੜੀ, ਹੋਰ ਸਾਧਨਾਂ ਵਾਲੀ ਰਿਚਾਰਜ ਹੋ ਰਿਹਾ ਹੈ । ਨਾਲ ਆਸ ਪਾਸ ਦੇ ਇਲਾਕੇ ਵਿੱਚ ਪਾਣੀ ਦਾ ਪੱਧਰ ਉੱਚਾ ਹੋ ਰਿਹਾ ਹੈ, ਇਸ ਪ੍ਰੋਜੈਕਟ ਵਾਲੀ ਚੋ ਪਾਣੀ ਸਾਫ਼ ਹੋ ਰਿਹਾ ਹੈ । ਜਦੋਂ ਅਸੀਂ ਇਹ ਖੇਤੀ-ਬਾੜੀ ਲਈ ਵਰਤ ਰਹੇ ਹਾਂ ਤਾਂ ਕੀਟ ਨਾਸਕ ਦਵਾਈਆਂ ਦੀ ਵਰਤੋਂ ਵੀ ਘੱਟ ਹੋ ਰਹੀ ਹੈ ਜਿਸ ਨਾਲ ਜ਼ਰੂਰ ਮੁਕਤ ਖੇਤੀ ਤੋਂ ਛੁਟਕਾਰਾ ਮਿਲ ਰਿਹਾ ਹੈ । ਜਿਹੜਾ ਹੁਣ ਬਰਸਾਤੀ ਟੇਡਾ ਹੈ ਇਸ ਪ੍ਰੋਜੈਕਟ ਨਾਲ ਬਹੁਤ ਤਰ੍ਹਾਂ ਦੀਆਂ ਬਿਮਾਰੀਆਂ ਪੈਦਾ ਹੋ ਰਹਿਆਂ ਸਨ ਜਿਵੇਂ ਕਿ ਡੇਂਗੂ, ਮਲੇ ਰੂਖਰ ਆਦਿ ਬਿਮਾਰੀਆਂ ਹੋਣ ਤੋਂ ਬਚਾਉ ਹੋ ਰਿਹਾ ਹੈ ।

ਸੇ ਆਪ ਜੀ ਦਾ ਧੰਨਵਾਦ ਕਰਦੇ ਹਾਂ ਕਿ ਇਸ ਬਰਸਾਤੀ ਟੇਡੇ ਦੇ ਪਾਣੀ ਨੂੰ ਸੰਤ ਸੀਚੇਵਾਲ ਮਾਡਲ ਦੇ ਤਹਿਤ ਸਾਡੀ ਮਦਦ ਕੀਤੀ ਅਤੇ ਇਸ ਸਾਂਝੇ ਸੰਤਾਲ ਸਾਡੇ ਦੁਆਰਾ ਕੀਤੀ ਜਾਵੇਗੀ ।

ਧੰਨਵਾਦ ਸਹਿਤ ।

Dharmul Son

ਬੇਨਤੀ ਕਰਤਾ

Ravi
Ranjit Singh
Kajal Rani

Amish Singh
ਸਰਕਾਰ
ਗਰਾਮ ਪੰਚਾਇਤ ਜੱਸੋਮਾਜਰਾ
ਜਿਲ੍ਹਾ ਪਟਿਆਲਾ

CIN:U27104DL2003PLC365691

Date: 01.12.2020

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

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

Dear Sir,

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

ETP Sludge – 25 ton/Annum

FES Bags- 211 bags/Annum

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

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

Please do the needful in the earliest.

Thanking You,
Yours faithfully,

For Madhav KRG Ltd
(Madhav Alloys Limited)


Tarsem Singh
DGM- IQMS

Email Id: tarsembains@madhavkrggroup.com

Mob: 7527050333

Enclosed as above:

1. ROC Letter for the name change from Madhav Alloys Private Limited to Madhav Alloys Limited
2. ROC Letter 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-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 Bhadalihuha, Tehsil Amloh, Amloh Bhadson Road, Distt Fatehgarh Sahib.

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

SCHEDULE - I

Production units of the Generator

S.No.	Name of the Unit	Address, Contact Numbers and e mail - id	Name/ Designation of the Occupier	Name/Designation of the dealing Person
1	<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
1	<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

7

Regd. Office: Unit No. 1003, 10th Floor, Aggarwal Millenium, Tower-1, Netaji Subhash Place, Pitampura Delhi, North West, Delhi India, 110058

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

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

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

Certificate of Incorporation Consequent upon conversion to Public Limited Company



GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

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

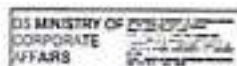
Corporate Identity Number: U27104PB2003PLC026123

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

IN THE MATTER OF MADHAV ALLOYS PRIVATE LIMITED

I hereby certify that MADHAV ALLOYS PRIVATE LIMITED which was originally incorporated on Twentieth day of June Two thousand three under the Companies Act, 1956 as MADHAV ALLOYS PRIVATE LIMITED and upon an intimation made for conversion into Public Limited Company under Section 18 of the Companies Act, 2013; and approval of Central Government signified in writing having been accorded thereto by the RoC - Chandigarh vide SRN R02735841 dated 23.10.2019 the name of the said company is this day changed to MADHAV ALLOYS LIMITED.

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



SHYAM SUNDER

Registrar of Companies
RoC - Chandigarh

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

MADHAV ALLOYS LIMITED
TALWARA ROADMANDI GOBINDGARH, DISTT FATEHGARH
SAHIB, PUNJAB, Punjab, India, 147301





GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

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

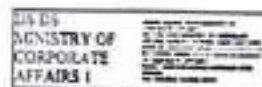
Certificate of Incorporation pursuant to change of name
[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

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/F&F/2k20 -2k21/ 6309

11 December, 2020

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

Subject: - Change of Company Name (Membership No.1630)

Dear Sir,

Please refer to your request towards changing your company name from M/s Madhav Alloys Pvt Ltd to Madhav Alloys Ltd. We are pleased to confirm you that the same has been updated in our records as follows:-

Old Name

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

New Name

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

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
vinod_pun@ngpl.co.in

CC:M/s Ramky Enviro Engineers Limited, Operator (for information 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. HWBRS-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 /CPCB 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

Nihal Rana
By its Authorized Signatory



Government of Punjab

e-Stamp

Certificate No. : IN-PB37852115029420V
 Certificate Issued Date : 08-Sep-2023 11:40 AM
 Certificate Issued By : pbskwnsu
 Account Reference : NEWIMPAOC (SV) p07051104/ LUDHIANA/ PB-LD
 Unique Doc. Reference : SUBIN-PB705110477116599351108V
 Purchased by : JBR TECHNOLOGIES LTD
 Description of Document : Article & Affidavit
 Property Description : Not Applicable
 Area of Property : Not Applicable
 Consideration Price (Rs.) : 0
 (Zero)
 First Party : JBR TECHNOLOGIES LTD
 Second Party : Not Applicable
 Stamp Duty Paid By : JBR TECHNOLOGIES LTD
 Stamp Duty Amount(Rs.) : 50
 (Fifty only)
 Social Infrastructure Cess(Rs.) : 0
 (Zero)
 Total Stamp Duty Amount(Rs.) : 50
 (Fifty only)



AGREEMENT

This agreement is entered between M/S Maclean Reg Uel
 through its Sh. Jagdeep Singh

And
 M/s J.B.R Technologies Limited, CETP, 260-61, Phase-VIII, Focal Point, Ludhiana. Hereinafter called the operator
 through its Director Mr. Rajinder Singh on dated 11/09/2023

The broad terms of the agreement are detailed hereunder:



RID 0012115445

(Signature)

1. That both parties are interested to enter into an agreement for lifting and treatment of HCL spent Effluent the member to be 100000 liters (in words One lakh the part month liters) per month produced by the unit of the member situated at Mill Akalgandh A-106 Bhusel
Road New Toll Plaza Dist. Anjala 147263
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 10 months from the signing of this agreement and further increase of contract 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.6.00/- per ltr.
4. That the above treatment charges are inclusive of transportation charges subject to minimum lift of 8000ltr. Each time. Each member will ensure immediate delivery of effluent to the operator /transport party without any delay.
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 8000liters of effluent at one time. In case of quantity of effluent is less, the amount equivalent to 8000 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 transporter.
7. That the above quoted rates do not include any type of taxes. All taxes as prevailing from time to time will be charged extra by operator from the member.
8. That the member will deposit refundable security with the operator for two month (1,00,000ltr per month) of his agreed lifting considering Rs.6.00/- 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. The said security is refundable within fifteen days of the termination of this Agreement.
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. The member shall pay 10 months payment in advance to JBR Technologies. However, in case of termination of this Agreement for any reason, the balance payment i.e. advance payment made for the remaining period by the Member shall be refundable within a period of 15 working days of such termination. After 15 working days, an interest at the rate of 18% PA shall be paid from the date of default and upto date of actual repayment. In case the said payment is made before the 15th day of the month, the member shall be having right to receive cash discount at the rate of 1.5% of the payment.



A handwritten signature in black ink, consisting of a large, stylized initial 'J' followed by a cursive name.

After completion of the period of said 10 months, if the Agreement gets extended at the option of both the Parties, the payment will be paid by the member upto 15th of that month e.g., the treatment & transportation charges bill from 1st to 31st May will be handed over to the member upto 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.

11. That the Agreement shall be subject to the laws of Union of India and shall be subject to the jurisdiction of courts situated at Ludhiana.

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 anything 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.

15. The Contract may get terminated on the occurrence of any of the following events:

- (i) Immediately upon the termination of contract of JBR Technologies Limited with PPCB;
- (ii) upon an option of either party by giving an advance notice to the opposite party;
- (iii) upon completion of period as stated at clause 2 of this Agreement, if the Contact would not be extended at the option of parties

The lifting of effluent will be started within 1 week time from the date of agreement.

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 11th Day of September 2023

The operator through its Director has the right to cancel the M.O.U. after prior intimation to the Ludhiana Effluent Treatment Society for electroplating units, that in such case the security deposit if any with the operator shall be treated as lapsed /withdrawn by the operator



MEMBER
(SPV)

This Agreement No. 508
507, 3208385

Available Qty as per agreement No.Ltr

This new agreement is of 10000 Ltr

Now bal Qty 3108325 Ltr


OPERATOR





Activities of Madhav KRG Ltd in Rural/Urban area under CSR

Madhav KRG Group was founded in 2002 under the flagship brand, 'JYOTI', company successive approach to achieve customer delight by offering promising steel products manufactured through modernized equipment and innovative processes. Quality is always a Priority of the company.

Presently company is producing Jyoti Tempecore SG Rebars, Jyoti HRC 100 Pipes & Tubes, Jyoti GP 120 Pipes & Tubes, Jyoti HR GP Coils, Jyoti CGR & Jyoti Wire Rods etc with a vision to keep enlarging it.

Madhav Helping Hands Foundation (MHHF) is the social wing of Madhav KRG Limited. The journey for Madhav Helping Hands Foundation (MHHF) started in the year 2016 with the objective of promoting integrated and sustainable development for rural community. At present, working in Punjab states and has presence in over 20 villages and 02 urban areas.

Madhav Skill Development Center is an initiative guided strongly by the values of Madhav Helping Hands Foundation on the ethos of "Skill, Education, Awareness". Our vision on skilling is now a state mandate significant in positioning ourselves as leader amongst others. Today skill training is rapidly evolving and we are pacing our organization for continued success in this changing environment. MHHF already running Computer Center at Bhadson, Distt Patiala and stitching centers in an around 20 villages of District Patiala & Fatehgarh Sahib of Punjab State.

The Company's CSR initiatives has played pivotal role in improving the lives of the communities and society at large and in & around our operations. This has also enabled us to fulfil our commitment to be a socially responsible corporate citizen.

We have to focus on improvement initiated through the community benefiting initiatives. These are undertaken by Madhav Helping Hands Foundation (MHHF) to protect the interests of the society for different causes such as:

- Health Care for all.
- Improvement of Environment
- Education for all
- Skill development for creating livelihood opportunities
- Rain Harvesting Projects
- Village development programme
- Empowerment of women
- Training for Promotion of Sports Talent

Some of the activities which we are doing in CSR are as follows:

Rain Harvesting Projects (Sant Seechewal Model):

Sant Seechewal has devised a rain harvesting project an ingeniously modelled very effective, durable and easy to install have been laid in the villages to facilitate the villagers. The treated water is being used in several acres of land in the village itself for irrigation purpose. We have started these projects in nearby villages of plant area.



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.

Objective:

- 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.



Madhav KRG Skill Development Center

- Skill Center Opened at Amloh . Every year targeted to trained 400 students. Four Trades are running i.e Astt Electrical, Business Correspondent , Fitter and Welder
- Special focus on soft skill and computer classes.

MISSION:

To enable Youth through involvement in quality skill training and placement initiatives this energizes Youth in realizing their potential and shaping sustainable careers.

OBJECTIVES:

1. To improve the quality of life after getting skill training.
2. To bridge the gap of skills required in an economy by enabling an access to skill training opportunities
3. To encourage the entrepreneurial spirit among the local youth by way of hand holding & facilitating in setting up of an enterprise





ਕੋਆਰਜੀ ਗਰੁੱਪ ਨੇ ਹੁਨਰ ਵਿਕਾਸ ਕੇਂਦਰ ਖੋਲ੍ਹਿਆ

ਕੋਆਰਜੀ ਗਰੁੱਪ ਨੇ ਹੁਨਰ ਵਿਕਾਸ ਕੇਂਦਰ ਖੋਲ੍ਹਿਆ

ਮੁਕਤਸਰ, 15 ਮਾਰਚ 2024
 ਮੁਕਤਸਰ: ਕੋਆਰਜੀ ਗਰੁੱਪ ਨੇ ਮੁਕਤਸਰ ਵਿਖੇ ਹੁਨਰ ਵਿਕਾਸ ਕੇਂਦਰ ਖੋਲ੍ਹਿਆ। ਇਸ ਉਦਘਾਟਨ ਵਿੱਚ ਕੋਆਰਜੀ ਗਰੁੱਪ ਦੇ ਮੈਂਬਰਾਂ, ਸਰਕਾਰੀ ਅਧਿਕਾਰੀਆਂ ਅਤੇ ਸਮਾਜਿਕ ਕਾਰਕੁੰਨਾਂ ਦੀ ਸ਼ਿਰਕਤ ਹੋਈ।

ਇਸ ਉਦਘਾਟਨ ਵਿੱਚ ਕੋਆਰਜੀ ਗਰੁੱਪ ਦੇ ਮੈਂਬਰਾਂ, ਸਰਕਾਰੀ ਅਧਿਕਾਰੀਆਂ ਅਤੇ ਸਮਾਜਿਕ ਕਾਰਕੁੰਨਾਂ ਦੀ ਸ਼ਿਰਕਤ ਹੋਈ। ਇਸ ਉਦਘਾਟਨ ਵਿੱਚ ਕੋਆਰਜੀ ਗਰੁੱਪ ਦੇ ਮੈਂਬਰਾਂ, ਸਰਕਾਰੀ ਅਧਿਕਾਰੀਆਂ ਅਤੇ ਸਮਾਜਿਕ ਕਾਰਕੁੰਨਾਂ ਦੀ ਸ਼ਿਰਕਤ ਹੋਈ।

ਇਸ ਉਦਘਾਟਨ ਵਿੱਚ ਕੋਆਰਜੀ ਗਰੁੱਪ ਦੇ ਮੈਂਬਰਾਂ, ਸਰਕਾਰੀ ਅਧਿਕਾਰੀਆਂ ਅਤੇ ਸਮਾਜਿਕ ਕਾਰਕੁੰਨਾਂ ਦੀ ਸ਼ਿਰਕਤ ਹੋਈ। ਇਸ ਉਦਘਾਟਨ ਵਿੱਚ ਕੋਆਰਜੀ ਗਰੁੱਪ ਦੇ ਮੈਂਬਰਾਂ, ਸਰਕਾਰੀ ਅਧਿਕਾਰੀਆਂ ਅਤੇ ਸਮਾਜਿਕ ਕਾਰਕੁੰਨਾਂ ਦੀ ਸ਼ਿਰਕਤ ਹੋਈ।



Computer Education to Children's:

Establish Computer Center in the area to provide free computer education to needy children's. The main objective is to:

- Enhances creativity & thinking skills.
- Provides efficient & better use of IT Technology.
- Proves beneficial for career aspiration.
- Improves research work & helps in communicating with different education providers.



Education center for labor class children's

- Opened Education center for labor class children's at Village Akalgarh and another at construction site at Sector 77 Mohali.
- Free education provided to non-school going children's along with study material.

The main objective is to:

- To help integrate these children back into the formal education system, so that they can be enrolled in school in future.
- To teach them and their parents the importance of education



Plantation work:

Trees are being stripped from the earth at an alarming rate, but they can be replaced with a concerted effort on the part of people to plant more trees. Trees contribute to clean air, provide shade to cool the temperature and add beauty to the neighbourhood.

Time to time we are running plantation drive in different villages.



Blood Donation Camps:

The benefits of blood donation, such as the ability to save lives, potential health benefits, and emotional rewards. Regular blood donation is linked to lower blood pressure and a lower risk for heart attacks. For this noble cause Madhav KRG Ltd time to time organizes blood Donation Camps in the Company premises as well as in villages:



Women Health Checkup Camps

MHHF also organized women Health checkup camps in different villages. Free of cost medicines as well as free Doctor Consultation provided to community members.



Eye Checkup Camp

Time to time MHHF also organized Eye Checkup camps in different villages. Free pf cost medicines provided to community members.



Children's Health Checkup Camps

Madhav Helping Hands Foundation also organized Health Checkup camps for children's. Free Doctor Consultation & medicines have been provided. Parents were given advice on better care of health and hygiene of their children



Health Activities:

To improve the health of the villagers we doing different type of activities, we also provide Oscillators to different CHC's. This helps to improve the health condition of community members.



Equipment's provided to Govt. Primary Health Centers

To improve the condition of Govt. Primary Health Centers of village Bhadal Thua , Khanoura and Barri Panachea , we distribute different types of item/ equipment's.



Wheel Chairs & Tri-cycle Distribution to needy persons :

Wheelchairs provide increased mobility and independence for the user and their carer, allowing them to take part in everyday activities, despite having reduced mobility. As well as helping carry out daily tasks with ease, a wheelchair offers many social and mental health benefits. Madhav KRG Ltd distributed 20 Wheel Chairs to Red Cross Society for Physically handicapped persons.

We also provide Tri-cycle to physically handicapped persons who are economically poor and are needy .





Development of Schools:

We also provide different items/materials to Govt. schools as per their requirement such as Inverter, RO, computers etc. Time to time we also renovate the schools as per demand of the school officials/panch members.



Construction of Washroom

CSR team surveyed the different Govt. School and observed that condition of washrooms of the schools are in hygiene condition. Thereafter we construct/renovate the washrooms of different schools (Akalgarh, Parri Panecha, Bhadal Thua, Ramgarh etc.)





Construction of Bus stand:

Bus stop not only keeps those waiting for transportation safe from the weather but also improve the efficiency of public transportation system. Madhav officials surveyed the nearby villages/area and come to the point that due to lack of bus stand, community members are facing lot of problem while catching the bus, especially during bad weather. We took initiative to build these bus stops for public.



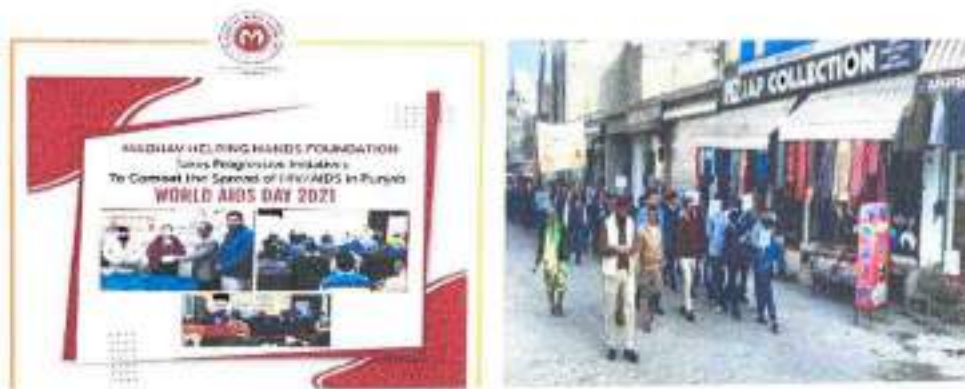
Training for Promotion of Sports Talent :

We are promoting sports activities in the area and also sponsored talented players for state /national tournaments. As per the requirement we provide sports kits to the players. We also opened sports Academy for Hockey at Amloh .



To combat spread of HIV/AIDS in the area

- Observe World AIDS day every year
- Awareness done through workshop, group meeting at village level and rally.



Street Light in different villages

Street lighting enhances visibility at night through artificially lighting decreases stress on driving and makes sure comfort. It helps to authorize road users to view accurately and easily the carrier way and the quick surroundings in the darkness. As per demand of the community regarding the street light in the village connecting roads we provide /install street lights at different villages.



Bio Gas Plant:

Biogas can be used as a clean and renewable energy source for cooking and heating, reducing the need for firewood. People conserve forests by using Biogas instead of cutting down trees for fuel. It's an artificial system where we can turn waste into sustainable energy and fertilizers, with positive effects on the environment. With this objective we also promote this system in the community and those villagers who are adopted we provide them subsidy of Rs 20000.



Women Empowerment (Sewing Centers):

Our aims to improve economic status of women and their families through business skills i.e to provide training of sewing machine. The secret of training is to empower, restore and regenerate women and improve their status. The women found their own employment with the help of skill development.

Different Sewing centers are running in different villages to empower the women's of the area.



Thanks

Madhav Helping Hands Foundation

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 KRG Ltd 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 KRG Ltd has initiated a journey to be in conformance with international standards like **ISO 14001 and ISO 45001**. Conformance to EHS (Environment, Health and Safety) at Madhav KRG 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 confirm with the requirements of **ISO 14001:2015 and OHSAS 45001:2018**.

Areas covered are as below:

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

EHS MANAGEMENT SYSTEM

Madhav KRG 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 KRG Ltd's commitment to continually improve the effectiveness of EHS parameters.

EHS management System of Madhav KRG 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 KRG Ltd has formulated various committees as follows:

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

*All the Above committees includes 50% workers from Production and 50% from Management and works as per Factory Act 1948 Rule 67-1 [Framed U/S 7-A, 41-B & 112 of the Act] and OHSAS 18001.

Madhav KRG 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 KRG 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 KRG Ltd Has established an **Environment Management Cell**. This Cell ensures all the Environment Related Compliances and all Environmental Concerns as per **ISO 14001**.

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

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



BUILDING A SUSTAINABLE
TOMORROW

Environmental Management Cell				
Cat..	sr. No.	Position	Represented	Role
EXECUTIVE COUNCIL	1	Managing Director	Mr. Sudhir Goyal	Chairman
	2	Director	Mr. Sanjeev Goyal	Director
	3	AGM Regulatory	Mr. Swarnjeet Singh	Coordinator
	4	Incharge- EHS	Mr. Jagdeep Kumar	Coordinator
	5	CFO	Mr. Sunijit Singh	Members
MEMBERS	6	GM HR	Mr. Vijay Mohan	Members
	7	Plant Head - TMT Divison	Mr. SR Dwibedi	Members
	8	Plant Head -P&T Divison	Mr. Razeev Tandon	Members
	9	AGM RM Domestic Purchase	Mr. Dixit Gupta	Members
	10	AGM Maintenance	Mr. Bala Kumar	Members
	11	AGM Logistic & Transportations	Mr. Jarnail Singh	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 Signatory



MADHAV KRG LIMITED

Regd. Office : 1003, 10th Floor, Aggarwal Millennium, Tower-1
Netaji Subhash Place, Pitampura, North West, Delhi-110058
Corp Office : 1st Fl, The Celebration Bazaar, G.T. Road, Khanna, Punjab-141404
Phone: +91 1765-500075, E-mail: info@madhavkrggroup.com
Works : VII, Akalgarh, Amich-Bhadson Road,
Near Toll Plaza, Distt. Patiala-147203

पृष्ठिका संख्या: 523
आज का पंचांग

शुक्रवार 11 अक्टूबर 2023
शुक्रवार 11 अक्टूबर 2023
शुक्रवार 11 अक्टूबर 2023

समय	राशि	चंद्र	शुक्र	बुध	शनि
06:30	मिथुन	2	1	1	1
08:30	मिथुन	4	1	1	1
10:30	मिथुन	1	1	1	1
12:30	मिथुन	3	1	1	1
02:30	मिथुन	2	1	1	1

राशिफल

- मिथुन** - आज का दिन आपके लिए बहुत ही शुभ है। आपकी कार्यवाही में सफलता मिलेगी।
- कुम्भ** - आज का दिन आपके लिए बहुत ही शुभ है। आपकी कार्यवाही में सफलता मिलेगी।
- मिथुन** - आज का दिन आपके लिए बहुत ही शुभ है। आपकी कार्यवाही में सफलता मिलेगी।
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- कुम्भ** - आज का दिन आपके लिए बहुत ही शुभ है। आपकी कार्यवाही में सफलता मिलेगी।

क्रॉसवर्ड 5383

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37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60

SUDOKU 2434

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9	2	1						
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	2	7	5	8	1			
		9			4			
7							6	

खेती के साथ मछली पालन को सहायक धंधे के तौर पर अपना अधिक लाभ लें

कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें। यह न केवल किसानों के लिए एक अतिरिक्त आय स्रोत है, बल्कि यह उनके खेतों की उर्वरता को भी बढ़ाता है।



कृषि विभाग के अधिकारी किसानों को सलाह दे रहे हैं।

धान की रोपाई को 10 घंटे मिले बिजली सप्लाई



किसानों को बिजली की सप्लाई में सुविधा के लिए।

बंद के दौरान भेजे बिलों की अदायगी रुके: धारनी



धारनी में बिजली बंद के दौरान की स्थिति।

सोसायटी ने बरसी के आयोजन पर की चर्चा



सोसायटी के सदस्यों ने अपनी बरसी के आयोजन पर चर्चा की। वे इस अवसर को विशेष महत्व दे रहे हैं और इसे एक सफल कार्यक्रम बनाने की कोशिश कर रहे हैं।

श्री अखंड पाठ साहिब शुरू आज डाला जाएगा भोग



श्री अखंड पाठ साहिब शुरू होने पर भोग डाला जा रहा है।

किसानों को बिजली की सप्लाई में सुविधा के लिए। कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें।

धारनी में बिजली बंद के दौरान की स्थिति। कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें।

सोसायटी के सदस्यों ने अपनी बरसी के आयोजन पर चर्चा की। वे इस अवसर को विशेष महत्व दे रहे हैं और इसे एक सफल कार्यक्रम बनाने की कोशिश कर रहे हैं।

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

मेयर ने कहा कि पर्यावरण की शुद्धता के लिए हर किसी का सहयोग जरूरी है। वे ने कहा कि हमें अपने खेतों में मछली पालन शुरू करना चाहिए।



मेयर ने पर्यावरण की शुद्धता के लिए हर किसी का सहयोग जरूरी है।

सोसायटी के सदस्यों ने अपनी बरसी के आयोजन पर चर्चा की। वे इस अवसर को विशेष महत्व दे रहे हैं और इसे एक सफल कार्यक्रम बनाने की कोशिश कर रहे हैं।

ऑनलाइन चार्ट मेकिंग मुकाबले कराए



ऑनलाइन चार्ट मेकिंग मुकाबले कराए। कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें।

अग्रवाल सभा ने श्मशान घाट में पौधे लगाए



अग्रवाल सभा ने श्मशान घाट में पौधे लगाए। कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें।

पातड़ा में सांझ ग्लोबल फाउंडेशन ने लगाए पौधे



पातड़ा में सांझ ग्लोबल फाउंडेशन ने लगाए पौधे। कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें।

जन कल्याण फाउंडेशन ने छात्रों को



जन कल्याण फाउंडेशन ने छात्रों को सहायता दी है। कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें।

स्कूल के बाहर दिया धरना



स्कूल के बाहर दिया धरना। कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें।














चक्रवर्तन दिवस पर संदरी भवन में धरना



चक्रवर्तन दिवस पर संदरी भवन में धरना। कृषि विभाग के अधिकारी ने किसानों को सलाह दी है कि वे अपने खेतों में मछली पालन शुरू करें।

Public Notice

Notice regarding the foundation and its activities. The notice mentions the foundation's commitment to social welfare and its various initiatives.

 ABOUT US PRODUCTS SERVICES INFRASTRUCTURE QUALITY MEDIA DESIGN BOOK CAREER CSR CONTACT 	
Order of Letter 20.07.2016 	authorization by SPS & PRT From 20.07.16 
Authorization of WFO From 01.10.2017 	CCWA HOC & Application From 24.10.2011 
CTO Air WFO From 24.07.2016 	CTO WFO WFO From 24.07.2016 
Environment Clearance From 07.37.2011 	SEA CUM SAE From 04.10.2017 
CPE Third Furnace & COR 	CTO Air Third Furnace & COR 
http://www.madhavgroup.com/madhav-legal/clearance/authorization-for-SMS-PT.pdf 	Environment Audit 2018-19 