



BUILDING A SUSTAINABLE
TOMORROW

May.29, 2025

To

The Additional Director

Ministry of Environment, Forest & Climate Change,

Regional Office (North)

Government of India,

Bay No. 24-25, Sector – 31 A,

Chandigarh.

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

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

Dear Sir,

With reference to the EIA Notification & its amendments regarding submission of six monthly compliance report, we are hereby submitting the six monthly compliance report for period ending 31.03.2025 for the above said project in soft copy through mail for your perusal.

Kindly acknowledge the receipt of the same.

Thanking you.

Sincerely,

For M/s Madhav KRG HRC Pvt. Ltd.

(Authorized Signatory)

CC to:

1. **Member Secretary**, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26, Chandigarh-160019 (Upload on Parivesh Portal and through e-mail seiaapb2017@gmail.com)
2. **Environmental Engineer**, Punjab Pollution Control Board, Regional Office, RIMT Management College, Mandi Gobindgarh, Distt. Fatehgarh Sahib, Punjab (mail id: eerofgs@gmail.com)



Madhav KRG HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1, Netaji Subhash Place, Pitampura, North West, Delhi-110058

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

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

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

Acknowledgement

| | | | |
|--|---|-------------------------------|--------------------------------|
| Proposal Name | MADHA KRG HRC PRIVATE LIMITED ,PROPOSED STEEL MANUFACTURING UNIT AT VILLAGE AKALGARH AND BHAGWANPURA,AMLOH-BHADSON ROAD,NEAR TOLL PLAZA,TEHSIL NABHA AND AMLOH,DISTRICT PATIALA AND FATEHGARH SAHIB,PUNJAB. | | |
| Name of Entity / Corporate Office | MADHAV KRG HRC PRIVATE LIMITED | | |
| Village(s) | N/A | | |
| District | PATIALA | | |
| Proposal No. | EC22B008PB110661 | Category | Industrial Projects - 1 |
| Plot / Survey / Khasra No. | N/A | Sub-District | N/A |
| State | PUNJAB | Entity's PAN | *****2481R |
| MoEF File No. | SEIAA/PB/IND/2022/EC/0 | Entity name as per PAN | MADHAV KRG HRC PRIVATE LIMITED |

Compliance Reporting Details

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

Details of Production and Project Area

| | | |
|--|---------------------------------------|--|
| Name of Entity / Corporate Office | MADHAV KRG HRC PRIVATE LIMITED | |
| | Project Area as per EC Granted | Actual Project Area in Possession |
| Private | 27.07 | 28.83 |
| Revenue Land | 0 | 0 |
| Forest | 0 | 0 |
| Others | 0 | 0 |
| Total | 27.07 | 28.83 |

Production Capacity

| Sr. no | Product Name | units | Valid Upto | Capacity | Production last year | Capacity as per CTO |
|--------|-----------------|----------------------|------------|----------|----------------------|---------------------|
| 1 | HOT ROLLED COIL | Tons per Annum (TPA) | 31/03/2026 | 750000 | 76923 | 500000 |

Conditions

Specific Conditions

| Sr.No. | Condition Type | Condition Details |
|--|----------------|---|
| 1 | MISCELLANEOUS | The industry shall submit the approved building plan for the total land area of 27.07 acres within six months. |
| PPs Submission: Being Complied The unit has been set up in area of 27.07 acres and additional 1.76 acres of land area is added where the Rainwater Harvesting System has been installed in compliance to condition of EC. After the amendment, total land area in EC will be 28.83 acres. An application for EC amendment is in process. Also a combined application for Approval of Building Plans (HUD and Factories) with total 28.83 Acre land area is already on invest Punjab portal with Director of Factories for approval | | Date: 17/05/2025 |
| 2 | MISCELLANEOUS | The project proponent shall utilize the approach road of their adjoining subsidiary unit namely Madhav KRG Ltd. till the time clearance under the Forest Conservation Act, 1980 is obtained. |
| PPs Submission: Complied NOC has been obtained from forest department. Copy enclosed | | Date: 21/05/2025 |
| 3 | MISCELLANEOUS | "In case obstruction to the natural flow of water is still reported, the project proponent shall construct a well- designed drain along the boundary wall of the existing industry to discharge the rainwater from the agricultural" |
| PPs Submission: Complied Project proponent has constructed a well- designed drain along the boundary wall of the existing industry to discharge the rainwater from the agricultural. | | Date: 09/05/2025 |
| 4 | MISCELLANEOUS | The project proponent shall construct causeways on the Katcha Road in front of the agricultural land of the complainant for passing the peak flow of rainwater under the guidance of the Drainage Department. The entire cost of constructing these causeways shall be borne by the industry. |
| PPs Submission: Agreed to Comply Project Proponent is ready to construct causeway but for this It need consent in writing of both the parties. It is our humble submission that either drainage department come forward to construct this causeway. We undertake to bear all kind of cost (material plus labour) for the same OR drainage department arrange to provide us written consent of both parties and also supervise the work during construction. | | Date: 09/05/2025 |
| 5 | MISCELLANEOUS | Drainage Department will keep strict vigil during the monsoon season for any obstruction to rainwater flow resulting in damage to the crops of the complainants and take necessary action under the provision of the Canal and Drainage Act, 1873. |
| PPs Submission: Agreed to Comply Agreed | | Date: 09/05/2025 |
| 6 | MISCELLANEOUS | As proposed, a Storm water drain shall be constructed all along the road within the project site as per the layout plan submitted by the project proponent. The rainwater will be collected in a storage tank, and subsequently utilized in the project for cooling purposes. |
| PPs Submission: Complied Storage tanks has been constructed by the proponent. | | Date: 28/05/2025 |

| 7 | MISCELLANEOUS | The industry shall install an online monitoring system at the inlet as well as at the outlet of each APCD for monitoring SPM. |
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| PPs Submission: Complied Online monitoring system at the inlet as well as at the outlet of each APCD for monitoring SPM has been installed | | Date: 21/05/2025 |
| General Conditions | | |
| Sr.No. | Condition Type | Condition Details |
| 1 | WASTE MANAGEMENT | Used refractories shall be recycled as far as possible. |
| PPs Submission: Being Complied Agreed | | Date: 09/05/2025 |
| 2 | Statutory compliance | The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. |
| PPs Submission: Complied 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 | | Date: 21/05/2025 |
| 3 | Statutory compliance | The project proponent shall prepare a Site-Specific Conservation Plan and Wildlife Management Plan and "approved by the Chief Wildlife Warden. The" recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report, (in case of the presence of schedule-I species in the study area) |
| PPs Submission: Complied Approved Wildlife conservation plan has been obtained; copy of the same is enclosed . | | Date: 21/05/2025 |
| 4 | Statutory compliance | The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time. |
| PPs Submission: Complied Authorization of the Hazardous waste has been obtained from PPCB as attached annexure . | | Date: 21/05/2025 |
| 5 | Statutory compliance | The project proponent shall comply with the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF and CC for such types of units. |
| PPs Submission: Being Complied Company is following with all the siting criteria, standard operating practices, code of practice and guidelines as prescribed by the CPCB/ PPCB/MoEFand CC. | | Date: 09/05/2025 |
| 6 | Statutory compliance | The project proponent shall comply with the CLU conditions imposed by the Competent Authority, if any. |
| PPs Submission: Being Complied CLU conditions imposed by the Competent Authority are being complied. | | Date: 17/05/2025 |

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| 7 | AIR QUALITY MONITORING AND PRESERVATION | "The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015"(Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. |
| PPs Submission: Being Complied Continuous emission monitoring system has been installed at process stacks to monitor stack emission and connected to SPCB and CPCB online servers and will calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. Latest Report are attached. | | Date: 21/05/2025 |
| 8 | AIR QUALITY MONITORING AND PRESERVATION | The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. |
| PPs Submission: Being Complied Fugitive emissions in the plant premises are being monitored on quarterly basis through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. Latest report attached. | | Date: 21/05/2025 |
| 9 | AIR QUALITY MONITORING AND PRESERVATION | The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120 degree each), covering upwind and downwind directions. |
| PPs Submission: Complied Ambient air quality monitoring system has been installed at specific locations. | | Date: 29/05/2025 |
| 10 | AIR QUALITY MONITORING AND PRESERVATION | The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF and CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report. |
| PPs Submission: Agreed to Comply Agreed | | Date: 27/05/2025 |
| 11 | AIR QUALITY MONITORING AND PRESERVATION | Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources. |
| PPs Submission: Complied Dog house suction hood has been provided on Induction Furnaces followed by Pulse Jet Bag Filter as APCD based on the design approved by PSCST Chandigarh. For Fugitive emissions proper exhaust systems has been provided. | | Date: 09/05/2025 |
| 12 | AIR QUALITY MONITORING AND | The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags. |

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| | PRESERVATION | |
| PPs Submission: Being Complied Leakage detection and mechanized bag cleaning facilities have been provided for maintenance of bags | | Date: 17/05/2025 |
| 13 | AIR QUALITY MONITORING AND PRESERVATION | Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly. |
| PPs Submission: Being Complied Mobile vacuum cleaners have been provided to clean plant roads, shop floors, roofs, regularly and a dedicated housekeeping team is also there for this purpose | | Date: 22/05/2025 |
| 14 | AIR QUALITY MONITORING AND PRESERVATION | Recycle and reuse of 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 should be ensured. |
| PPs Submission: Being Complied APCD dust generated is being given to own subsidiary unit. (Madhav KRG environmental Solutions Pvt. Ltd.) for zinc extraction. | | Date: 09/05/2025 |
| 15 | AIR QUALITY MONITORING AND PRESERVATION | The project proponent shall use leak proof trucks/ dumpers carrying coal and other raw materials and cover them with tarpaulin. |
| PPs Submission: Being Complied Covered trucks are being used to carry the raw materials i.e. scrap. | | Date: 09/05/2025 |
| 16 | AIR QUALITY MONITORING AND PRESERVATION | The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc. |
| PPs Submission: Being Complied Scrap is being kept under the covered sheds only. | | Date: 09/05/2025 |
| 17 | AIR QUALITY MONITORING AND PRESERVATION | PRESERVATION The project proponent shall provide primary and secondary fume extraction system at all melting furnaces. |
| PPs Submission: Complied Company has provided well designed dog house to cover all kind of fumes at all melting furnace | | Date: 28/05/2025 |
| 18 | AIR QUALITY MONITORING AND PRESERVATION | Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars should be ensured.. |
| PPs Submission: Agreed to Comply Agreed | | Date: 09/05/2025 |
| 19 | WATER QUALITY MONITORING AND PRESERVATION | The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, rain water harvesting shall be carried out at 4 no. of ponds at village Bhadalthua, Village Badecha, Village Akalgarh and Village Sakrali Mandi Gobindgarh having total recharge potential of volume at 52,8117 m3 to recharge the water at 26,4059 m3/annum. As an additional safety measure, the stream carrying waste water of the village shall be diverted in one corner of |

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| | | Phytorid plants trench (designed based on the technology developed by CSIR-NEERIs) divided into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the pond to avoid any contamination of ground water aquifer. Pond water will percolate through natural strata (without injection) to augment the ground water and remaining water shall be used for irrigation purposes by pumping method in the nearby fields. | |
| PPs Submission: Being Complied Rain water recharging projects in Village Akalgarh and Sakrali have been completed. under Sant Seechewal Model. Third project in Village Dargapur has also been completed based on Enzyme and Constructed wet land technology of 180 KLD capacity. In addition to that facility has also installed rooftop rain water harvesting system in Govt. middle school Khanura and Govt. primary school vill. Alipur Distt. Fatehgarh Sahib. Pond water in these projects percolate through natural strata (without injection) to augment the ground water and remaining water being used for irrigation purposes by pumping method in the nearby fields. | | | Date: 28/05/2025 |
| 20 | WATER QUALITY MONITORING AND PRESERVATION | The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water. | |
| PPs Submission: Being Complied Proponent is making every effort to minimize water consumption by practicing cascade use and by recycling treated water.. In addition to this, treated water from installed STP is also being reused as process water and onto land for horticulture purposes. | | | Date: 17/05/2025 |
| 21 | Noise Monitoring & Prevention | Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six- monthly compliance report. | |
| PPs Submission: Being Complied Monitoring of ambient noise has been done on regular basis by NABL accredited. latest reports are attached. | | | Date: 21/05/2025 |
| 22 | Noise Monitoring & Prevention | The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time. | |
| PPs Submission: Being Complied Results of recent test reports are found within the permissible limit. Latest testing reports are attached. | | | Date: 21/05/2025 |
| 23 | ENERGY PRESERVATION MEASURES | "The project proponent shall provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly." | |
| PPs Submission: Agreed to Comply Agreed | | | Date: 09/05/2025 |
| 24 | ENERGY PRESERVATION MEASURES | The project proponent shall practice hot charging of slabs and billets/blooms as far as possible. | |
| PPs Submission: Being Complied Agreed | | | Date: 09/05/2025 |
| 25 | ENERGY PRESERVATION MEASURES | The project proponent shall provide LED lights in their offices and residential areas. | |

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| PPs Submission: Being Complied LED lights has been provided in offices and sheds. | | Date: 09/05/2025 |
| 26 | WASTE MANAGEMENT | 100 percent utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office. |
| PPs Submission: Being Complied Agreed. Slag, generated from the unit is being given to own subsidiary unit M/s Madhav KRG Environmental Solutions Pvt. Ltd. for further processing. M/s Madhav KRG Environmental Solutions Pvt. Ltd provide remanent to cement and brick manufacturers for further utilization. APCD Dust also is also being given to M/s Madhav KRG Environmental Solutions Pvt. Ltd. for further processing | | Date: 09/05/2025 |
| 27 | WASTE MANAGEMENT | "Kitchen waste shall be composted or converted to biogas for further use." |
| PPs Submission: Being Complied Currently, Kitchen waste is being given to Pig/Swine Husbandry farmers. | | Date: 17/05/2025 |
| 28 | GREENBELT | Green belt shall be developed in an area of 36798.86 Sqm (9.09 acres) (equal to 33.5 percent of the plant area) with native tree species in accordance with SEIAA guidelines. Total 5505 tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted. |
| PPs Submission: Being Complied Actual area developed within the premises is 18,596 sqm, and to meet the requirement of project area as green belt, land area measuring 8.79 acres, already developed as green belt on account of shortage, in the revenue estate of Village Faridpur, Sub Tehsil Bhadson, Tehsil Nabha, Distt. Patiala at distance of 1.6 Km from the project site. As of now, the unit has developed 13.4 Acres, under green belt. The unit has already planted 3,615 no. of trees inside the industrial premises and 5435 no. of trees outside the industrial premises. So, total 9050 no. of trees inside as well as outside the premises have been developed. | | Date: 28/05/2025 |
| 29 | GREENBELT | "The Project Proponent shall develop a green belt in 33 percent of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles." |
| PPs Submission: Being Complied Different species planted in green belt (inside and outside)- Pipal, Gular, Kadam, Kikkar, Amb, Jamun, Neem, Sheesham, Black Siris, Harar, Kachnar, Simbal, Amaltas, Arjun, Bahera, Karonda, Conocarpus, Aak, Mehndi, Lemon, Apple, Neem, Casuarina, Falsa, Pecan, Mango, Exotic, African Mahogany, Dragon fruit etc. | | Date: 17/05/2025 |
| 30 | GREENBELT | "The project proponent shall plant tall saplings having a height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan." |
| PPs Submission: Being Complied Agreed | | Date: 17/05/2025 |

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| 31 | GREENBELT | "The project proponent shall submit the progress of developing the green belt in the six- monthly compliance report." |
| PPs Submission: Being Complied Agreed. Pics of the green belt attached for ready reference. | | Date: 21/05/2025 |
| 32 | PUBLIC HEARING | Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented. |
| PPs Submission: Complied Emergency preparedness plan has been implemented based on the Hazard identified and Risk Assessment (HIRA) and Disaster Management Plan. | | Date: 27/05/2025 |
| 33 | PUBLIC HEARING | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. |
| PPs Submission: Complied Although there is no construction work is going on. During constructionnwork, proponent, hired Local labours only. | | Date: 10/05/2025 |
| 34 | PUBLIC HEARING | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. |
| PPs Submission: Being Complied Agreed | | Date: 10/05/2025 |
| 35 | PUBLIC HEARING | The project proponent shall carry out the activities apart from CER activities and spent an amount as committed during the public hearing as per the public hearing action plan. |
| PPs Submission: Being Complied The activities committed during public hearing are being undertaken. | | Date: 21/05/2025 |
| 36 | PUBLIC HEARING | The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on the Parivesh portal. |
| PPs Submission: Agreed to Comply Agreed | | Date: 10/05/2025 |
| 37 | Corporate Environmental Responsibility | The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF and CC as a part of six-monthly report. |
| PPs Submission: Complied | | Date: |

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| Company having well defined environment policy; copy of the same is enclosed as Annexure | | 21/05/2025 |
| 38 | Corporate Environmental Responsibility | A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization. |
| PPs Submission: Being Complied Separate environment management cell has been constituted to deal with Environment related matters. | | Date: 28/05/2025 |
| 39 | PUBLIC HEARING | The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act. |
| PPs Submission: Being Complied Heat stress analysis is being done for the workers, working in high temperature work zone. Further, Personal Protection equipments (PPE) are also being provided to workers for safety. | | Date: 10/05/2025 |
| 40 | MISCELLANEOUS | The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently. |
| PPs Submission: Being Complied Advertisement has been published in the newspaper regarding the grant of EC; copy of the advertisement is enclosed as Annexure . Further, Environmental Clearance letter has been uploaded on the Company's website. | | Date: 28/05/2025 |
| 41 | MISCELLANEOUS | The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. |
| PPs Submission: Complied Copy of Environmental Clearance letter submitted to concerned departments. | | Date: 10/05/2025 |
| 42 | MISCELLANEOUS | The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. |
| PPs Submission: Being Complied The project proponent has uploaded the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and updating the same on half-yearly basis. | | Date: 22/05/2025 |
| 43 | MISCELLANEOUS | The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company. |

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| PPs Submission: Agreed to Comply Environment statement of every financial year in Form-V will be submitted to RO, PPCB. | | Date: 10/05/2025 |
| 44 | MISCELLANEOUS | The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project. |
| PPs Submission: Agreed to Comply Agreed | | Date: 10/05/2025 |
| 45 | MISCELLANEOUS | The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the SEAC and SEIAA. |
| PPs Submission: Being Complied The project proponent 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 SEAC and SEIAA. | | Date: 22/05/2025 |
| 46 | MISCELLANEOUS | "No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional" |
| PPs Submission: Agreed to Comply Agreed. If any changes or further expansion will be done, then fresh application will be submitted to SEIAA, Punjab. | | Date: 10/05/2025 |
| 47 | MISCELLANEOUS | The 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. |
| PPs Submission: Agreed to Comply Agreed. Full cooperation will be extended to the officer of the Regional Office and PPCB by furnishing the requisite data/ information/ monitoring reports. | | Date: 10/05/2025 |
| 48 | Statutory compliance | 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 |
| PPs Submission: Complied Permission has been obtained from Punjab Ground Water Regulation and Development Authority (PWRDA) | | Date: 21/05/2025 |
| 49 | WATER QUALITY MONITORING AND PRESERVATION | Garland drains and collection pits shall be provided for each stock pile to arrest the run- off in the event of heavy rains and to check the water pollution due to surface run off. |

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| PPs Submission: Complied Proper drainage system has been provided within the project premises to collect the run-off. | | Date: 10/05/2025 |
| 50 | Statutory compliance | The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. |
| PPs Submission: Complied Forest clearance under the provisions of Forest (Conservation) Act, 1986, obtained | | Date: 21/05/2025 |
| 51 | Statutory compliance | The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention and Control of Pollution) act, 1981 and the water (Prevention control of Pollution) Act, 1974 from the concerned state pollution control board. |
| PPs Submission: Complied Obtained Consent to Operate Obtained from PPCB, No. CTOA/Renewal/FGS/2025/28186021 dated: 05.05.2025, CTOW/Renewal/FGS/2025/28186051 dated 05.05.2025 | | Date: 21/05/2025 |
| 52 | MISCELLANEOUS | The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company. |
| PPs Submission: Being Complied Environment data board displayed near main gate. | | Date: 10/05/2025 |
| 53 | MISCELLANEOUS | The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal. |
| PPs Submission: Being Complied AGREED | | Date: 22/05/2025 |
| 54 | MISCELLANEOUS | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. |
| PPs Submission: Being Complied Stipulations made by the Punjab Pollution Control Board and State Government are being followed strictly. | | Date: 22/05/2025 |
| 55 | WATER QUALITY MONITORING AND PRESERVATION | The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories. |
| PPs Submission: Being Complied Monitoring of ground water is being done on half yearly basis by NABL accredited laboratory. | | Date: 21/05/2025 |
| 56 | ENERGY PRESERVATION MEASURES | "The project proponent shall practice hot charging of slabs and billets/blooms as far as possible." |

57

**Corporate Environmental
Responsibility**

An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 1337 Lakhs towards the capital cost and Rs 69 Lakhs/annum towards recurring costs including the environmental monitoring cost for the implementation of EMP as proposed in the EMP plan as under: Sr. Environmental Capital Recurring No. Protection Measures Cost (Rs. Cost (Rs. in lakhs) in LPA) 1. Air Pollution Control 853 2.5 (Installation of APCD and continuous emission monitoring system) 2. Water Pollution Control 150 2 (STP of capacity 90KLD) 3. Noise Pollution Control 5 2 (Provision of acoustic enclosure for DG sets) 4. Green belt development 55 55 (for 3 by planting of 5950 tall trees) 5. Solid Waste 3 0.5 Management 6. Environment 3 5 Monitoring and Management 7. Health, Safety and Risk 5 1 Assessment (PPE kit for workers) 8. Rain water harvesting 8 0.5 system 9. CER Activities 250 - 10. Miscellaneous 5 0.5 Total Rs. 1,337 Rs. 69 lakhs lakhs Note: Detail of CER Activities given as under: Sr. Activities Annual Timeline Total No. Expenditure (5 Years Expenditure from the start of project) 1. Rainwater Harvesting Adoption of Rs. 36 lakhs 5 years Rs. 180 four (4) ponds; (i.e Rs. 9 lakhs out of which 2 lakhs per ponds are pond) located in Village Bhadalhuha and Badecha of Nabha Block and the other 2 ponds are located in Village Akalgarh and Sakrali of Block Amloh for rainwater harvesting and maintenance of ponds as per measures given below: i) Nano Bubble technology to treat wastewater discharge into the pond ii) Tree plantation of 6 ft. size around the pond iii) Removal of solid waste, sludge, and silt from the pond iv) Landscaping around the pond" "Village Akalgarh and Sakrali of Block Amloh for rainwater harvesting and maintenance of ponds as per measures given below: i) Nano Bubble technology to treat wastewater discharge into the pond ii) Tree plantation of 6 ft. size around the pond iii) Removal of solid waste, sludge, and silt from the pond iv) Landscaping around the pond" 2. Issues raised during public hearing: i. Rainwater Harvesting "Adoption of the pond located in Village Bhamarsi Jher of Sirhind Block based on Seechewal model for rainwater harvesting and maintenance of ponds as per measures given below: i) Nano Bubble technology to treat wastewater" Rs. 6 lakhs 5 years "Rs. 30 lakhs" "discharge into the pond ii) Tree plantation of 6 ft. size around the pond iii) Removal of solid waste, sludge, and silt from the pond iv) Landscaping around the pond" ii. Plantation drives in nearby Villages Rs. 2 lakhs 5 years Rs. 10 lakhs ii. Education "i) Providing uniforms, books, etc. to needy students and repairing of Primary School building located in Village Chehal. ii) Providing uniforms, books, etc. to needy students of the nearby villages" "Rs. 4 lakhs Rs. 2 lakhs" "5 years 5 years" "Rs. 20 lakhs Rs. 10 lakhs Total Rs. 50 lakhs - Rs. 250 lakhs The entire cost of the environmental management plan will continue to be borne by the project proponent throughout the life of the Project. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Reports. iv Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out. v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants

| | | |
|---|------------------|--|
| | | shall be implemented. |
| PPs Submission: Being Complied Facility has spent a sum of Rs. 4488134 on CER activities till 31.03.2025 and on EPM a sum of RS.20,48,74,443. Pls. see attached annexure | | Date: 27/05/2025 |
| 58 | WASTE MANAGEMENT | The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous and Other waste (Management and Transboundary Movement) Rules, 2016. |
| PPs Submission: Agreed to Comply Hazardous waste will be generated in the form of used Oil and APCD Dust. APCD dust will be given to own subsidiary unit M/s Madhav KRG Environmental Pvt. Ltd. for zinc extraction. Used oil will be given to authorized vendor. | | Date: 10/05/2025 |
| <div style="text-align: center;"> </div> | | |
| Visit Remarks | | |
| Last Site Visit Report Date: | | N/A |
| Additional Remarks: | | |
| <p>Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.</p> | | |

ENVIRONMENTAL
CLEARANCE

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Punjab)

To,

The Director

MADHAV KRG HRC PVT. LTD.

Village Akalgarh and Bhagwanpura, Amlon-Bhadson Road, Near Toll Plaza, Tehsil Nabha and Amlon, Distt. Patiala and Fatehgarh Sahib, Punjab -147203

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/PB/IND/61014/2021 dated 21 Feb 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC22B008PB110661 |
| 2. File No. | SEIAA/PB/IND/2022/EC/05 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including Schedule No. | 3(a) Metallurgical industries (ferrous & non ferrous) |
| 6. Name of Project | M/s Madhav KRG HRC Pvt. Ltd. (MKHPL) proposed Steel Manufacturing Unit at Village Akalgarh & Bhagwanpura, Amlon-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amlon, Distt. Patiala & Fatehgarh Sahib, Punjab. |
| 7. Name of Company/Organization | MADHAV KRG HRC PVT. LTD. |
| 8. Location of Project | Punjab |
| 9. TOR Date | 20 May 2021 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 03/07/2022

(e-signed)
Kamal Kumar Garg, PCS
Member Secretary
SEIAA - (Punjab)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

This is a computer generated cover page.

PARIVESH

*(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)*



This has reference to your online proposal no. SIA/PB/IND/61014/2021 dated 21.02.2022 for environmental clearance to the above-mentioned project.

2) State Environment Impact Assessment Authority (SEIAA), Punjab has examined the proposal for the establishment of the steel manufacturing unit "M/s Madhav KRG HRC Pvt. Ltd." for the production capacity of 7,50,000 TPA of Hot Rolled Coil (HRC) by the installation of 3 IF's of capacity 50 TPH each, Rolling mill (1 No.) and Reheating Furnace of 150 TPH capacity (1 No.) at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab. The project is covered under Schedule 3(a) & Category 'B1' as per EIA Notification, dated 14.09.2006 and its subsequent amendments and requires appraisal at the State level.

3) State Environment Impact Assessment Authority (SEIAA), Punjab had granted Terms of Reference (TOR) vide letter no. SEIAA/MS/2021/4160 dated 20.05.2021 to the project proponent. Punjab Pollution Control Board conducted the public hearing for the project on 24.09.2021 for both the Districts.

4) The proposal has been appraised as per the procedure prescribed under the provisions of EIA Notification 14.09.2006 based on mandatory documents enclosed with the application viz Form-2, EIA, EMP, and additional documents and subsequent presentation/clarifications made by the project proponent and his consultant to the observations of SEIAA and SEAC.

5) As per the report of the Punjab Pollution Control Board vide letter no. 343 dated 03.02.2022, no construction activity has started with respect to proposed project except securing the land.

6) This is a fresh EC project. The details of the project, as per the application and documents/ presentation submitted by the project proponent and also as informed during the meetings of SEAC/SEIAA are as under:

| Sr. No. | Item No. | Details | | |
|---------|------------------------------|--|---------------|---------------|
| 1. | Nature & location of Project | M/s Madhav KRG HRC Pvt. Ltd. Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, | | |
| 2. | Latitude & Longitude | Corner | Latitude | Longitude |
| | | A | 30°33'40.67"N | 76°14'12.02"E |
| | | B | 30°33'40.67"N | 76°14'15.71"E |
| | | C | 30°33'42.19"N | 76°14'15.65"E |
| | | D | 30°33'42.34"N | 76°14'17.20"E |
| | | E | 30°33'43.44"N | 76°14'17.39"E |
| | | F | 30°33'43.92"N | 76°14'20.57"E |

| | | | | |
|----|--|---|---------------------------|--------------------------|
| | | G | 30°33'42.36"N and | 76°14'20.72"E |
| | | H | 30°33'42.21"N and | 76°14'24.11"E |
| | | I | 30°33'41.35"N and | 76°14'24.16"E |
| | | J | 30°33'41.15"N and | 76°14'29.49"E |
| | | K | 30°33'33.96"N and | 76°14'29.33"E |
| | | L | 30°33'33.98"N and | 76°14'27.07"E |
| | | M | 30°33'34.15"N and | 76°14'27.08"E |
| | | N | 30°33'34.16"N and | 76°14'20.60"E |
| | | O | 30°33'33.86"N and | 76°14'20.48"E |
| | | P | 30°33'33.83"N and | 76°14'20.16"E |
| | | Q | 30°33'34.12"N and | 76°14'20.06"E |
| | | R | 30°33'33.99"N and | 76°14'12.83"E |
| 3. | Project/ activity covered | Schedule: 3(a): Metallurgical Industries (ferrous & non-ferrous); Category: B-1 | | |
| 4. | Classification/ landuse pattern as per Master Plan | The industry is located outside the industrial zone as per the Master Plan of Mandi Gobindgarh. In this regard, the Project Proponent informed that the application for Change of Land Use has been submitted to the Competent Authority and the permission is yet awaited. | | |
| 5. | Cost of the project | Rs. 410.57 Crores | | |
| 6. | Working days | 350 days | | |
| 7. | Plot area details | 1,09,548.4 sq.m (27.07 acres) | | |
| 8. | Area break-up details | The area breakup details are given below: | | |
| | | Sr. No. | Particulars | Area in sqm |
| | | 1. | Proposed Shed areas | 35,188.26 |
| | | 2. | Green Area | 36,798.86 |
| | | 3. | Road Area | 22,017 |
| | | 4. | Non-construction zone | 6,169.13 |
| | | 5. | Other utility areas | 9,375.15 |
| | | Total | | 1,09,548.4 (27.07 acres) |
| 9. | Raw materials details | S. No. | Raw Materials | Quantity |
| | | 1. | Scrap | 6,55,200 TPA |
| | | 2. | DRI (Direct Reduced Iron) | 1,63,800 TPA |

| | | | | | |
|-----|--|--|--|--|--|
| 10. | Production capacity details | Sr. No. | Product Name | Quantity | |
| | | 1. | Hot Rolled Coil (HRC) | 7,50,000 TPA | |
| 11. | Details of major productive machinery/ plant | Sr. No. | Machinery | Quantity | |
| | | 1. | Induction Furnaces | 3 × 50 TPH | |
| | | 2. | Ladle Refining Furnace | 1 × 55 T | |
| | | 3. | Rolling Mill | 1 | |
| | | 4. | Reheating Furnace | 1× 150 TPH | |
| 12. | Details of the technology proposed for control of emissions & effluents generated from the project | | | | |
| | Sr. No. | Source of emission | Capacity | Technology to be adopted | |
| | 1. | Induction Furnace | 3 x 50 TPH | Dog House Suction Hood followed by cyclone and bag filter of capacity 3,00,000 Nm ³ /hr. each | |
| | 2. | LRF with VD | 1 × 55 T | Individual bag house filter of Capacity 50,000 Nm ³ /hr. | |
| | 3. | Reheating Furnace | 150 TPH | Stack of adequate height | |
| | 4. | D.G. Set | 3 × 500 kVA & 1 × 250 kVA | Stack of adequate height attached with canopy | |
| | 5. | STP | 90 KLD | MBBR technology | |
| | 6. | Material Handling Area | - | Dust Suppression System and Paved roads. | |
| 13. | Manpower Requirement | 1,122 persons | | | |
| 14. | Break-up of Water Requirements & its source in Operation Phase | Total water demand of the project is 964 KLD in summer season and the break-up of the same is given as under:- | | | |
| | | S. No. | Purpose | Water demand (KLD) | |
| | | 1. | Make-up water for cooling demand | 672 | |
| | | 2. | Domestic water demand | 90 | |
| | | 3. | Green area demand i) Summer ii) Winter iii) Monsoon | 202 66 18 | |
| 15. | Wastewater generation & its disposal Arrangement in Operation Phase | S.No. | Description | Total | Mitigation Measures/ Remarks |
| | | 1. | Domestic wastewater | 72 KLD | Will be treated in proposed STP of capacity 90 KLD |

| | | | | | |
|-----|--|---|-------------------------|------------|--|
| | | 2. | Industrial Effluent | Nil | -- |
| 16. | Hazardous/Non-Hazardous Waste Generation details & their storage, utilization, and disposal. | Hazardous waste: | | | |
| | | S.No. | Waste category | Proposed | Disposal |
| | | 1. | Category 35.1 APCD dust | 6 TPD | APCD dust will be handed over to a subsidiary unit namely M/s Madhav KRG Environmental Solutions Pvt. Ltd. |
| | | 2. | Category 5.1- Used Oil | 1.4 KLA | Given to authorized vendor. |
| | | Non-Hazardous waste: | | | |
| | | S.No. | Waste | Proposed | Disposal |
| | | 1. | Slag | 70 TPD | 20% reused for metal recovery & remaining 80% will be given to M/s Madhav KRG Environmental Solutions Pvt. Ltd. for co-processing. |
| 17. | Solid Waste generation and its mode of disposal | S. No. | Type of waste | Total | Disposal |
| | | 1. | Domestic solid waste | 224 kg/day | Solid waste will be disposed of as per Solid Waste Management Rules, 2016 |
| 18. | Energy requirements & savings | Description | | Unit | Proposed |
| | | Power load | | MVA | 99 |
| | | DG set equipped with canopy and adequate stack height | | kVA | 3 × 500 kVA & 1 × 250 kVA |
| | | Energy Saving measures to be adopted: | | | |
| | | (i) LEDs will be provided in place of CFLs. | | | |
| | | (ii) Energy-efficient Induction Furnaces and other machinery will be installed. | | | |

7) As per the information submitted by the project proponent, the application has been filed online vide proposal no. FP/PB/Approach/153259/2022 dated 07.03.2022 for obtaining Forest Clearance. The project site is located outside the 100 m eco-sensitive zone of Bir-Bhadso Wild Life Sanctuary located at 3.5 Km and as such, no NBWL permission is required. Further, no litigation is pending in respect of the land on which the project is to be developed.

8) The SEAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, has examined the proposal submitted by the project proponent in the desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the project proponent & replies to its observations in its 215th & 217th meeting held on 23.02.2022 & 28.03.2022 respectively. The SEAC noted that the project proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of the data/information submitted is found to be false/misleading at any stage, the project may be rejected and Environmental Clearance given, if any, may be revoked at the risk and cost of the project proponent.

9) The Committee noted that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee decided to forward the case to the SEIAA with the recommendation to grant Environmental Clearance for the establishment of the Steel Manufacturing Unit namely "M/s Madhav KRG HRC Pvt. Ltd." for the production capacity of 7,50,000 TPA of Hot Rolled Coil (HRC) by the installation of 3 IF's of capacity 50 TPH each, Rolling mill (1 No.) and Reheating Furnace of 150 TPH capacity (1 No.) at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab, as per the details mentioned in the application proposal & subsequent presentation /clarifications made by the project proponent and his consultant.

10) The case was considered by the SEIAA in its 204th and lastly, 207th meetings held on 12.04.2022 & 15.06.2022 respectively wherein SEIAA observed that the case stands recommended by SEAC. The Authority examined and appraised the environmental impacts and other aspects of the project proposal in detail as deliberated upon and recorded in the proceedings of its 207th meeting held on 15.06.2022 and was satisfied with the same. Therefore, the Authority decided to grant the Environmental Clearance for the establishment of the proposed Steel Manufacturing Unit "M/s Madhav KRG HRC Pvt. Ltd." for the production capacity of 7,50,000 TPA of Hot Rolled Coil (HRC) by the installation of 3 IF's of capacity 50 TPH each, Rolling mill (1 No.) and Reheating Furnace of 150 TPH capacity (1 No.) at Village Akalgarh & Bhagwanpura, Amloh-Bhadson Road, Near Toll Plaza, Tehsil Nabha & Amloh, Distt. Patiala & Fatehgarh Sahib, Punjab as per the details mentioned in Form 2, EIA report and subsequent presentation /clarifications made by the project proponent and his consultant with proposed measures, conditions as proposed by SEAC in addition to the proposed measures.

11) Accordingly, SEIAA, Punjab hereby accords Environmental Clearance to the aforesaid project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments subject to proposed measures and strict compliance with terms and conditions as follows:

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes 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 the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of drawl of groundwater and also in case of drawl of surface water required for the project. In case of non-grant of permission by CGWA for groundwater abstraction, the industry shall make alternative arrangements by using surface water or treated city sewage effluent after obtaining permission from the 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 types of units.
- viii. The project proponent shall comply with the CLU conditions imposed by the Competent Authority, if any.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at the inlet as well as at the outlet (stack) of each APCD to monitor the SPM concentration 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 systems from time to time according to equipment supplier specifications 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 every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. The project proponent shall install a system to carry out Manual Ambient Air Quality monitoring for parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ 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.
- iv. The project proponent shall submit a 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 the 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 stationary vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, etc. regularly.
- viii. Recycle and reuse of 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 should be ensured.
- 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 systems at all melting furnaces.
- xii. Design and implementation of the ventilation system for adequate air changes as per the ACGIH document for all tunnels, motor houses, and Oil Cellars should be ensured.

III. Water quality monitoring and preservation

- i. The project proponent shall monitor regularly groundwater 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.
- ii. Garland drains and collection pits shall be provided for each stockpile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface runoff.
- iii. The project proponent shall practice rainwater harvesting to the maximum possible extent. For this, rain water harvesting shall be carried out at 4 no. of ponds at village Bhadalthua, Village Badecha, Village Akalgarh & Village Sakrali Mandi Gobindgarh having

total recharge potential of volume @ 52,8117 m³ to recharge the water @ 26,4059 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 into different parts, the overflow of each chamber shall be allowed to enter into another chamber which will ultimately lead to the purification of water and collected into the 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.

- iv. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use, and recycling treated water.

IV. Noise monitoring and prevention

- i. A noise level survey shall be carried out as per the prescribed guidelines and the report in this regard shall be submitted to the Regional Officer of the Ministry as a part of a 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 daytime and 70 dB(A) during night-time.

V. Energy Conservation measures

- i. The project proponent shall practice hot charging of slabs and billets/blooms as far as possible.
- ii. The project proponent shall provide solar power generation on rooftops of buildings, a solar light system for all common areas, street lights, parking around the project area, and maintain the same regularly.
- iii. The project proponent shall provide LED lights in their offices and residential areas.
- iv. The Project Proponent shall practice hot charging of slabs and billets/blooms as far as possible.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and a Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iii. The waste oil, grease, and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iv. Kitchen waste shall be composted or converted to compost or biogas for further use.

VII. Green Belt

- i. "Green belt" shall be developed in an area of 36798.86 Sqm (9.09 acres) (equal to 33.5% of the plant area) with native tree species in accordance with SEIAA guidelines. Total 5505

tall saplings (minimum 6 feet height) of indigenous species such as Neem, Drek, Kusum, Kadam, Banyan, Peepal, Amaltas, Arjun, Chakarasia etc will be planted.

- ii. The Project Proponent shall develop a green belt in 33% of the total land area with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iii. The project proponent shall plant tall saplings having a height not less than 6 ft. The proponent shall make adequate provision of funds for raising the plantation and subsequent maintenance for three years in the Environment Management Plan.
- iv. The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

VIII. Public hearing and Human health issues

- i. An 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 the high-temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of the 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, crèche, 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 regularly and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities apart from CER activities and spent an amount as committed during the public hearing as per the public hearing action plan.
- vi. The Project Proponent shall submit compliance of the action plan proposed to address the public hearing issues along with the six-monthly compliance report of EC condition on the Parivesh portal.

IX. Environment Management Plan

- i. The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violations 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 to all/ or shareholders/ stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
- ii. A separate Environmental Cell both at the project and company headquarters level, with qualified personnel, shall be set up under the control of the Senior Executive, who will directly report to the head of the organization.

- iii. An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and will not be diverted for any other purpose. The project proponent shall spend a minimum amount of Rs 1337 Lakhs towards the capital cost and Rs 69 Lakhs/annum towards recurring costs including the environmental monitoring cost for the implementation of EMP as proposed in the EMP plan as under:

| Sr. No. | Environmental Protection Measures | Capital Cost (Rs. in lakhs) | Recurring Cost (Rs. in LPA) |
|--------------|--|-----------------------------|-----------------------------|
| 1. | Air Pollution Control (Installation of APCD and continuous emission monitoring system) | 853 | 2.5 |
| 2. | Water Pollution Control (STP of capacity 90 KLD) | 150 | 2 |
| 3. | Noise Pollution Control (Provision of acoustic enclose for DG sets) | 5 | 2 |
| 4. | Green belt development by planting of 5950 tall plants of indigenous tree species | 55 | 55 (for 3 years) |
| 5. | Solid Waste Management | 3 | 0.5 |
| 6. | Environment Monitoring & Management | 3 | 5 |
| 7. | Health, Safety & Risk Assessment (PPE kit for workers) | 5 | 1 |
| 8. | Rain water harvesting system | 8 | 0.5 |
| 9. | CER activities* | 250 | - |
| 10. | Miscellaneous | 5 | 0.5 |
| Total | | Rs. 1,337 lakhs | Rs. 69 lakhs |

***Note:** Detail of CER Activities given as under:

| Sr. No. | Activities | Annual Expenditure | Timeline (5 years from the start of the project) | Total Expenditure |
|---------|---|---|--|-------------------|
| 1. | <u>Rainwater Harvesting</u> Adoption of four (4) ponds; out of which 2 ponds are located in Village Bhadalthuha and Badecha of Nabha Block and the other 2 ponds are located in Village Akalgarh & Sakrali of Block Amloh for rainwater harvesting and maintenance of | Rs. 36 lakhs (i.e. Rs. 9 lakhs per pond) | 5 years | Rs. 180 lakhs |

| | | | | |
|------|--|-------------|---------|--------------|
| | <p>ponds as per measures given below:</p> <p>i) Nano-Bubble technology to treat wastewater discharge into the pond</p> <p>ii) Tree plantation of 6 ft. size around the pond</p> <p>iii) Removal of solid waste, sludge, and silt from the pond</p> <p>iv) Landscaping around the pond</p> | | | |
| 2. | Issues raised during public hearing: | | | |
| i. | <p><u>Rainwater Harvesting</u></p> <p>Adoption of the pond located in the Village Bhamarsi Jher of Sirhind Block based on Seechewal model for rainwater harvesting and pond maintenance through measures given below:</p> <p>i) Nano-Bubble technology to treat wastewater discharge into the pond</p> <p>ii) Tree plantation of 6 ft. size around the pond</p> <p>iii) Removal of solid waste, sludge, and silt from the pond</p> <p>iv) Landscaping around the pond</p> | Rs. 6 lakhs | 5 years | Rs. 30 lakhs |
| ii. | <p><u>Plantation</u></p> <p>Plantation drives in nearby villages</p> | Rs. 2 lakhs | 5 years | Rs. 10 lakhs |
| iii. | <p><u>Education</u></p> <p>i) Providing uniforms, books, etc. to needy students and repairing of Primary School building located in Village Chehal.</p> | Rs. 4 lakhs | 5 years | Rs. 20 lakhs |
| | | Rs. 2 lakhs | 5 years | Rs. 10 lakhs |

| | | | | |
|--------------|--|---------------------|----------|----------------------|
| | ii) Providing uniforms, books, etc. to needy students of the nearby villages | | | |
| Total | | Rs. 50 lakhs | - | Rs. 250 Lakhs |

The entire cost of the environmental management plan will continue to be borne by the project proponent throughout the life of the Project. Year-wise progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Reports.

- iv. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
- v. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

XI. Validity

- i) This environmental clearance will be valid for a period of ten years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 or till the completion of the project, whichever is earlier.

XII. 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 a half-yearly basis.
- iv) The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the 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 the 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, commitments made during Public Hearing and also that during their presentation to the SEAC and SEIAA.
- x) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xi) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/ information/monitoring reports.

XIII. Additional Conditions

- i) The industry shall submit the approved building plan for the total land area of 27.07 acres within six months.
- ii) The industry shall install an online monitoring system at the inlet as well as at the outlet of each APCD for monitoring SPM.
- iii) The project proponent shall utilize the approach road of their adjoining subsidiary unit namely Madhav KRG Ltd. till the time clearance under the Forest Conservation Act, 1980 is obtained.
- iv) The project proponent shall construct causeways on the Katcha Road in front of the agricultural land of the complainant for passing the peak flow of rainwater under the guidance of the Drainage Department. The entire cost of constructing these causeways shall be borne by the industry.
- v) Drainage Department will keep strict vigil during the monsoon season for any obstruction to rainwater flow resulting in damage to the crops of the complainants and take necessary action under the provision of the Canal and Drainage Act, 1873.

- vi) In case obstruction to the natural flow of water is still reported, the project proponent shall construct a well-designed drain along the boundary wall of the existing industry to discharge the rainwater from the agricultural land of the complainant as per the commitment made during the public hearing conducted on 01.03.2011 and pay compensation for the damage of the crops of the complainants as assessed by the Revenue Department.
- vii) As proposed, a Storm water drain shall be constructed all along the road within the project site as per the layout plan submitted by the project proponent. The rainwater will be collected in a storage tank, and subsequently utilized in the project for cooling purposes.
- 11) The SEIAA reserves the right to stipulate additional conditions if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time-bound manner. SEIAA may revoke or suspend the environmental clearance if the implementation of any of the above conditions is not found to be satisfactory.
- 12) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- 13) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 14) The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991 read with subsequent amendments therein 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.
- 15) This issues with the approval of the Competent Authority.

(Sh. Kamal Kumar Garg, PCS)
Member Secretary, SEIAA

Through Parivesh

Copy to: -

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi
2. The Secretary, Department of Science, Technology & Environment, Government of Punjab, Chandigarh.

3. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh-160030. The detail of the authorized Officer of the project proponent is as under:
- a) Name of the applicant : Sh. Sudhir Goyal (Director)
 - b) Mobile No. : 91-84274-10003 and 91151-01607
 - c) Email Id : legal@madhavkrsgroup.com
regulatory@madhavkrsgroup.com
 - d) Email ID of Env. Consultant : md@ecoparyavaran.org
4. The Deputy Commissioner, Fatehgarh Sahib.
5. The Deputy Commissioner, Patiala.
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi
7. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, 147001
8. The Secretary, Punjab Water Regulation and Development Authority, SCO 149-152, Sector 17-C, Chandigarh-160017.
9. The Chief Town Planner, Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
10. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003
11. Parivesh Portal/Record File.

(Sh. Kamal Kumar Garg, PCS)
Member Secretary, SEIAA
E-mail: seiaapb2017@gmail.com

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

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 21st July, 2016

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

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

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

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

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

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

1. **Extent and boundaries of Eco-sensitive Zone.**-(1) The extent of Eco-sensitive Zone is upto 100 meters from the boundary of the Bir Bhadson Wildlife Sanctuary comprising an area of 170 hectares.
- (2) The Eco-sensitive Zone is bounded by 30°30'54.769"N latitude and 76°14'29.364"E longitude towards east (point No.B of Annexure I map); 30°30'11.44"N latitude and 76°10'58.703"E longitude towards west-south (point No.E of Annexure I map); 30°31'54.171"N latitude and 76°14'23.354"E longitude towards north-east (point No.A of Annexure I map) and 30°29'42.05"N latitude and 76°11'10.52"E longitude towards south-west (point No.D of Annexure I map).
- (3) The map of the Eco-sensitive Zone together with its latitudes and longitudes is appended as **Annexure I**.
- (4) The list of 13 villages falling within the Bir Bhadson Wildlife Sanctuary Eco-sensitive Zone alongwith their longitudes and latitudes at prominent points is appended as **Annexure II**.











भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
क्षेत्रीय कार्यालय, चंडीगढ़ / Regional Office, Chandigarh



मिसिल संख्या :- 9-PBB419/2023-CHA
सेवा में,

दिनांक: .12.2023

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

विषय:- Diversion of 0.0212 ha of forest land permission for construction of approach access to Madhav KRG HRC Pvt. Ltd., on Nabha-Bhawanigarh-Gobindgarh road KM 41-42 R/side, at village Bhagwanpura Tehsil Amloh District Fatehgarh Sahib village Akalgarh Tehsil Nabha, District Patiala, Punjab. (Online proposal no. FPPB/Approach/153259/2022)

संदर्भ (i) State Government online proposal received on dated 21.07.2023.

(ii) अतिरिक्त प्रधान मुख्य वन संरक्षक, पंजाब सरकार के पत्र संख्या FOREST-FCA0FC2P/79/2022-FCA दिनांक 19.12.2023.

महोदय,

मुझे आपका ध्यान उपर्युक्त प्रस्ताव की और दिलाने का निर्देश हुआ है, जिसमें वन (संरक्षण) अधिनियम, 1980 की धारा- 2 के अधीन केन्द्रीय सरकार की अनुमति मांगी गई है। इस प्रस्ताव में इस कार्यालय के समसंख्यक पत्र दिनांक 28.10.2023 द्वारा सैद्धांतिक स्वीकृति प्रदान की गई थी, जिसकी अनुपालना रिपोर्ट अतिरिक्त प्रधान मुख्य वन संरक्षक व नोडल अधिकारी के पत्र संख्या FOREST-FCA0FC2P/79/2022-FCA दिनांक 19.12.2023 (ऑनलाइन पोर्टल) द्वारा प्राप्त होने के उपरान्त केन्द्र सरकार द्वारा उपर्युक्त उद्देश्य हेतु 0.0212 हेक्टेयर वन भूमि के उपयोग हेतु विधिवत स्वीकृति निम्नलिखित शर्तें पूरी करने पर प्रदान की जाती है:-

- वन भूमि की विधिक स्थिति बदली नहीं जाएगी।
- काटे जाने वाले बाधक वृक्षों/पौधों की संख्या किसी भी रूप में प्रस्ताव में दर्शायी गई संख्या से अधिक नहीं होगी और वृक्षों की कटाई के दौरान वन्यजीवों को किसी तरह का नुकसान नहीं पहुंचाया जाएगा।
- प्रतिपूर्ति पौधारोपण राज्य सरकार द्वारा प्रस्तावित सीए योजना के अनुसार Gulaher Minor RD Village Paid to Tail B/side, Samana & District Patiala, में पौधे लगाकर किया जाएगा और धन प्रयोक्ता एजेंसी द्वारा प्रदान किया जाएगा।
- अतिरिक्त प्रतिपूर्ति पौधारोपण राज्य सरकार द्वारा प्रस्तावित एसीए योजना के अनुसार Gulaher Minor RD Village Paid to Tail B/side, Samana & District Patiala, में पौधे लगाकर किया जाएगा और धन प्रयोक्ता एजेंसी द्वारा प्रदान किया जाएगा।
- प्रतिपूर्ति पौधारोपण और अतिरिक्त प्रतिपूर्ति पौधारोपण इस पत्र के जारी होने की तिथि से एक वर्ष के अन्दर हो जाना चाहिए।
- CEO, State CAMPA, इस कार्यालय द्वारा अनुमोदित सीए योजना के अनुसार CA वृक्षारोपण के लिए DFO को CAMPA Scheme के तहत धनराशि जारी करना सुनिश्चित करेंगे।
- DFO अनुमोदित CA Sites पर वृक्षारोपण करना सुनिश्चित करेंगे और MoEF&CC की अनुमति प्राप्त किए बिना अनुमोदित को नहीं बदलेंगे।
- राज्य सरकार प्रयोक्ता एजेंसी को वन भूमि को गैर वानिकी कार्यों के लिए हस्तान्तरण से पूर्व स्वीकृत प्रतिपूर्ति पौधारोपण (CA) क्षेत्र की KML फाइल को भारतीय वन सर्वेक्षण (FSI) के E-Green Watch पोर्टल पर अपलोड करना सुनिश्चित करेंगी।
- वन भूमि का प्रयोग प्रस्ताव में दर्शाये गये उद्देश्य के अलावा किसी अन्य उद्देश्य के लिये नहीं किया जायेगा।

I/60730/2023

- x. माननीय उच्चतम न्यायालय के निर्देशानुसार जब कभी भी NPV की राशि बढ़ाई जायेगी तो उस बढ़ी हुई NPV की राशि को जमा करने के लिए प्रयोक्ता एजेंसी बाध्य होगी और राज्य सरकार बढ़ी हुई राशि जमा कराना सुनिश्चित करेगी।
- xi. इस प्रस्ताव को 99 वर्षों के लिए अनुमति प्रदान की जायेगी, इसके उपरांत पुनः यह अनुमति भारत सरकार से प्राप्त करनी होगी। इस अनुमोदन के तहत Diversion की अवधि प्रयोक्ता एजेंसी के पक्ष में दी जाने वाली Lease की अवधि या परियोजना की अवधि जो भी कम हो के सह-समाप्ति होगी।
- xii. साथ लगते वन और वनभूमि को किसी तरह का कोई नुकसान नहीं पहुंचाया जायेगा और साथ लगते हुए वन और वनभूमि को बचाने के लिये सभी प्रयत्न किये जायेंगे।
- xiii. स्थानान्तरण के लिए प्रस्तावित वनभूमि को केंद्रीय सरकार की पूर्व अनुमति के बिना किसी भी परिस्थिति में किसी अन्य एजेंसी, विभाग या व्यक्ति विशेष को हस्तांतरित नहीं किया जायेगा।
- xiv. केंद्रीय सरकार की अनुमति के बिना प्रस्ताव के लेआउट प्लान को बदला नहीं जायेगा।
- xv. कूड़ा कर्कट निपटान जारी योजना के अनुसार किया जायेगा।
- xvi. अन्य कोई भी शर्त इस क्षेत्रीय कार्यालय द्वारा वन तथा वन्यजीवों के संरक्षण, सुरक्षा तथा विकास हेतु समय – समय पर लगाई जा सकती है।
- xvii. यदि आवश्यक हो तो प्रयोक्ता एजेंसी पर्यावरण (सुरक्षा) अधिनियम 1986, के अनुसार पर्यावरण अनुमति प्राप्त करेगी।
- xviii. इनमें से किसी भी शर्त का उल्लंघन वन संरक्षण अधिनियम, 1980 का उल्लंघन होगा तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय के Handbook of Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines & Clarifications), 2019 में उल्लिखित दिशानिर्देश 1.21 के अनुसार कार्यवाई की जायेगी।
- xix. यदि कोई अन्य सम्बंधित अधिनियम/अनुच्छेद/नियम/न्यायालय आदेश/अनुदेशआदि इस प्रस्ताव पर लागू होते हैं तो उनके अधीन जरूरी अनुमति लेना 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,

Signed by

Raja Ram Singh

Date: 22-12-2023 12:05:01

हस्ता/-

(राजा राम सिंह)

उप-वन- महानिरीक्षक

RO, MoEF&CC

प्रतिलिपि:-

1. वन महानिरीक्षक (ROHQ), पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, इंदिरा पर्यावरण भवन, जोर बाग, अलीगंज, नई दिल्ली। (ramesh.pandy@nic.in)
2. प्रधान मुख्य वन संरक्षक, पंजाब, फॉरेस्ट कॉम्प्लेक्स, सै०-68, एस० ए० एस० नगर, मोहाली, पंजाब। (pccfpunjab@gmail.com)
3. मुख्य कार्यकारी अधिकारी, CAMPA, फॉरेस्ट कॉम्प्लेक्स, सै०-68, एस० ए० एस० नगर, मोहाली, पंजाब। (ceo.puncampa@gmail.com)
4. वन मण्डल अधिकारी, वन मण्डल और जिला पटियाला, पंजाब। (dfo-pta@gmail.com)
5. Madhav KRG HRC Private Limited village Akalgarh Tehsil Nabha District Patiala। (Harjitsingh66955@gmail.com)

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

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 21st July, 2016

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

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

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

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

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

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

1. **Extent and boundaries of Eco-sensitive Zone.**-(1) The extent of Eco-sensitive Zone is upto 100 meters from the boundary of the Bir Bhadson Wildlife Sanctuary comprising an area of 170 hectares.
- (2) The Eco-sensitive Zone is bounded by 30°30'54.769"N latitude and 76°14'29.364"E longitude towards east (point No.B of Annexure I map); 30°30'11.44"N latitude and 76°10'58.703"E longitude towards west-south (point No.E of Annexure I map); 30°31'54.171"N latitude and 76°14'23.354"E longitude towards north-east (point No.A of Annexure I map) and 30°29'42.05"N latitude and 76°11'10.52"E longitude towards south-west (point No.D of Annexure I map).
- (3) The map of the Eco-sensitive Zone together with its latitudes and longitudes is appended as **Annexure I**.
- (4) The list of 13 villages falling within the Bir Bhadson Wildlife Sanctuary Eco-sensitive Zone alongwith their longitudes and latitudes at prominent points is appended as **Annexure II**.

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

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

for integrating environmental and ecological considerations into it.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table

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

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

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

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

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

6. **Terms of Reference.-** (1) The Monitoring Committee shall monitor the compliance of the provisions of this notification.
- (2) The activities that are covered in the schedule to the notification of the Government of India in the erstwhile Ministry of Environment and Forests number S.O. 1533(E), dated the 14th September, 2006, and are falling in the Eco-sensitive Zone, except for the prohibited activities as specified in the table under paragraph 4 thereof, shall be scrutinised by the Monitoring Committee based on the actual site-specific conditions and referred to the Central Government in the Ministry of Environment, Forest and Climate Change for prior environmental clearances under the provisions of the said notification.
- (3) The activities that are not covered in the schedule to the notification of the Government of India in the erstwhile Ministry of Environment and Forests number S.O. 1533(E), dated the 14th September, 2006 and are falling in the Eco-sensitive Zone, except for the prohibited activities as specified in the table under paragraph 4 thereof, shall be scrutinised by the Monitoring Committee based on the actual site-specific conditions and referred to the concerned regulatory authorities.
- (4) The Member-Secretary of the Monitoring Committee or the concerned Chief Conservator of Forests (Wildlife) shall be competent to file complaints under section 19 of the Environment (Protection) Act, 1986 (29 of 1986) against any person who contravenes the provisions of this notification.
- (5) The Monitoring Committee may invite representatives or experts from concerned departments, industry associations or stakeholders to assist in its deliberations depending on the requirements on issue to issue basis.
- (6) The Monitoring Committee shall submit the annual action taken report of its activities as on 31st March every year by 30th June of that year to the Chief Wildlife Warden of the State as per proforma appended at **Annexure III**.
- (7) The Central Government in the Ministry of Environment, Forest and Climate Change may give such directions as it deems fit, to the Monitoring Committee for effective discharge of its functions.

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

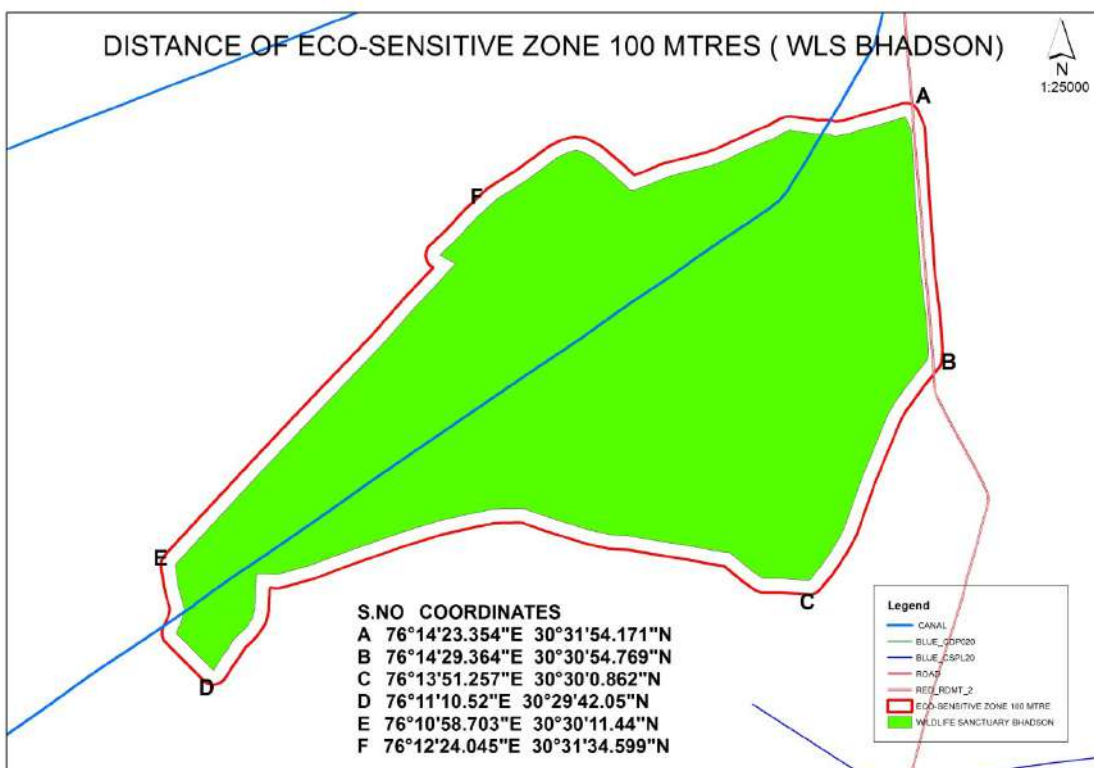
7. The provisions of this notification shall be subject to the orders, if any, passed, or to be passed by the Hon'ble Supreme Court of India or the High Court or the National Green Tribunal.

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

Dr. T. CHANDINI, Scientist 'G'

Annexure I

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



Co-ordinates of Bir Bhadson Wildlife Sanctuary

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

ANNEXURE-II

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

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

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

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

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

I/356543/2022

**Government of Punjab
Department Forest and Wildlife Preservation
O/o Principal Chief Conservator of Forests and
Chief Wildlife Warden, Punjab,
Forest Complex, Tower No. 2, 2nd Floor,
Sector-68, S.A.S. Nagar.**

To

M/s MADHAV KRG HRC PVT LTD.
Village Akalgarh, Amloh, Bhadson Road,
Patiala.

**Subject: Regarding "Final" approval of Wildlife Conservation Plan
for the project namely MADHAV KRG HRC PVT LTD.
Village Akalgarh, Amloh, Bhadson Road Patiala.**

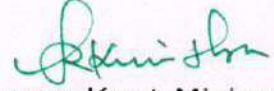
Ref: Your Email dated 05.04.2022.

With reference to the above mentioned subject, it is informed that "In Principle" approval to the Wildlife Conservation Plan was issued by this office vide letter No 338842/2022 dated 29.03.2022. As per the conditions laid down in the "In-Principle approval", your office has deposited the requisite funds (Rs.32.00 Lakh) to this office and accordingly this office hereby conveys "Final approval" to the Wildlife Conservation Plan subject to the following conditions:-

1. An annual Compliance Certificate on the stipulated conditions shall be submitted by the project proponent to the office of Chief Wildlife Warden, Punjab.
2. The Divisional Forest Officer (Wildlife), Patiala will undertake and maintain plantation of fruit bearing species around the project site, so as to enrich the area with avian biodiversity.
3. The Divisional Forest officer (Wildlife), Patiala will conduct nature awareness programs in the area and Project Proponent will extend their support and co-operation to Divisional Forest Officer (Wildlife), Patiala in this regard.
4. The Project Proponent shall ensure the compliance to the provisions of all Acts, Rules, Regulations and the guidelines for the time being in force, as applicable to the Project.
5. The Project Proponent will implement the Wildlife Conservation Plan in letter and spirit failing which the "Final approval" of this plan will

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be revoked by the competent authority.

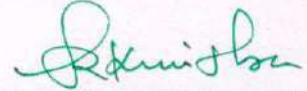


Raman Kant Mishra Ifs
CHIEF WILDLIFE WARDEN

05/05/2022

A copy is sent to 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 Secreatary, 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. Divisional Forest Officer (Wildlife), Patiala.
4. DDO O/o Chief Wildlife Warden, Punjab.
5. Incharge Account Branch O/o Chief Wildlife Warden, Punjab.



Raman Kant Mishra Ifs
CHIEF WILDLIFE WARDEN

05/05/2022



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



LiFE
Lifestyle for Environment

Office Dispatch No :
OCMMS/HWM/2025/003851

Registered/Speed Post

Date:

Industry Registration ID : R22PTA821818

Application No : 28187347

To,

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

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

1. Particulars of Authorization granted to the Industry

| | |
|---|-----------------------------|
| Authorization No | HWM/renew/FGS/2025/28187347 |
| Previous Authorization No | HWM/Fresh/FGS/2024/26122403 |
| Date of issue : | 05/05/2025 |
| Date of expiry : | 31/03/2026 |
| Previous Authorization Date of Issue : | 27/11/2024 |
| Previous Authorization Date of Expiry : | 31/03/2025 |
| Authorization Type : | renew |

2. Particulars of the Industry

| | |
|-------------------------------------|---|
| Name & Designation of the Applicant | Sudhir Goyal, (Director) |
| Address of Industrial premises | Madhav krg hrc pvt. ltd., Village akalgarh & bhagwanpura, amloh-bhadson road, near toll plaza, Fatehgarh sahib, Fatehgarh sahib-147203 |
| Capital Investment of the Industry | 58625.0 lakhs |
| Category of Industry | Orange |
| Type of Industry | 2063-Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc furnace/submerged arc furnace /basic oxygen furnace /hot rolling reheated furnace |
| Scale of the Industry | Large |
| Office District | Fatehgarh sahib |

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Madhav krg hrc pvt. ltd., Village akalgarh & bhagwanpura, amloh-bhadson road, near toll plaza, Fatehgarh sahib, Fatehgarh sahib, 147203

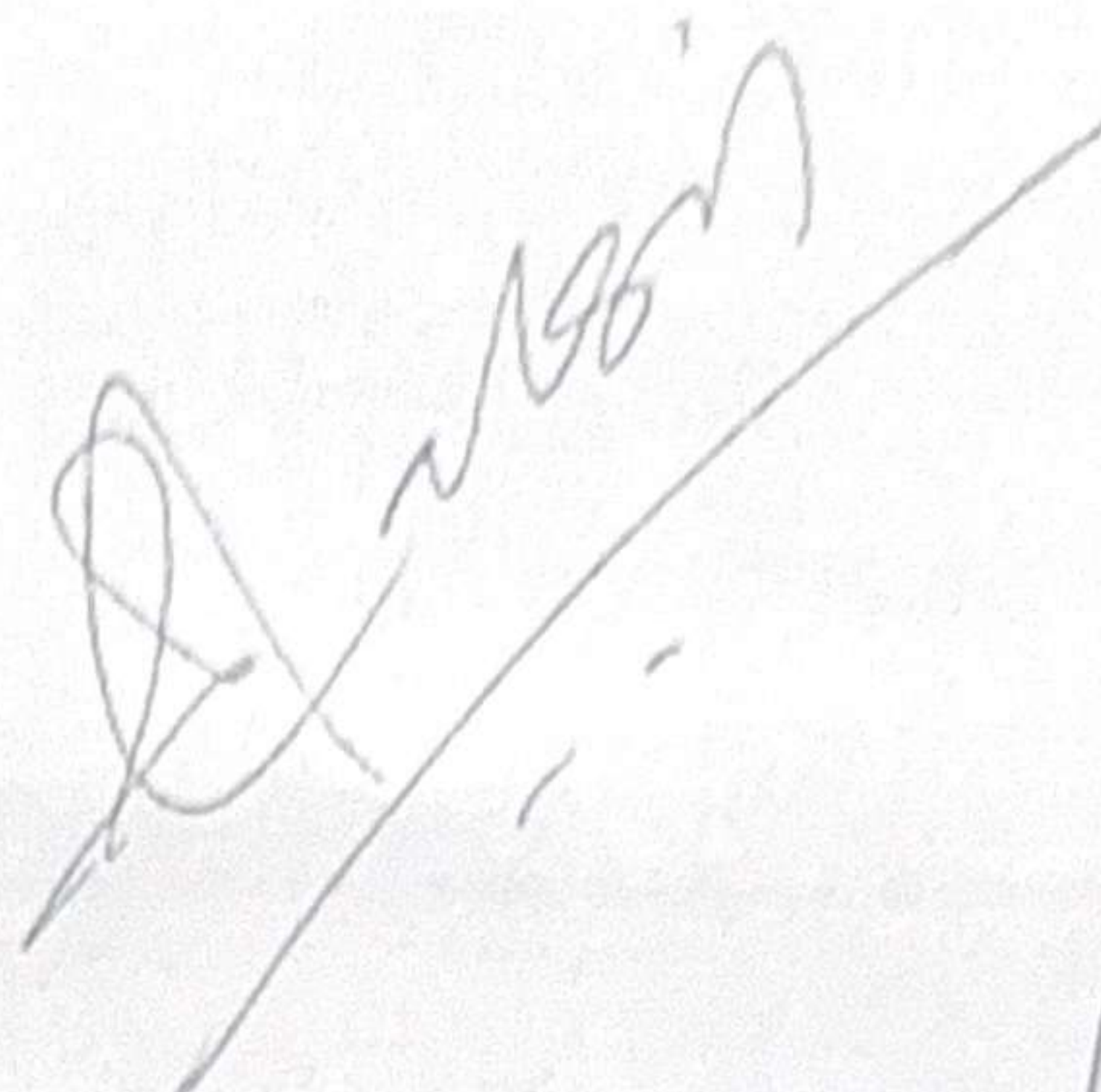
3. Terms and Conditions

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

The renewal of authorization granted to the industry vide no. HWM/Renew/FGS/2024/ 26122403 dated 27/11/2024 valid upto 31/3/2025 under the provisions of Hazardous Waste (Management, Handling & Transboundary movement) Rules, 2016 is hereby renewed upto 31/3/2026 with the same conditions as mentioned therein and following specific conditions:

1. The industry shall dispose-off its Hazardous waste to the authorized recycler/re-processor having valid Registration Certificate-cum-Pass Book from Punjab Pollution Control Board and valid authorization of the Board under the said Rules or 'consents to operate' under the Water Act, 1974 and the Air Act, 1981.
2. The industry shall apply for authorization before the expiry of previous authorization of Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016.
3. The industry shall handle the Hazardous Waste(s) strictly in accordance with the provisions of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 and guidelines issued by Central Pollution Control Board / Ministry of Environment & Forests and Climate Change, New Delhi.
4. The occupier generating hazardous waste/operator of a facility for collection and storage of hazardous waste shall maintain records of such operations in Form-3.
5. The occupier/operator of a facility shall send annual returns to the Board in form- 4 on or before 30th day of the June following to the financial year to which that return relates.
6. The Authorized person shall report, about the accident which occurs at the hazardous waste storage/treatment site immediately to the Board.
7. An occupier who is generating hazardous waste shall store his waste category Wise on site in environmentally sound manner till its treatment.
8. An occupier /generator shall not store hazardous wastes in open ground. It must be stored in an isolated site away from plant operational area.
9. The storage tank/container of the 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.
10. The occupier generating hazardous waste shall provide the required safety devices like safety mask, goggles, hand-gloves, gum boots etc. to the workers for handling the hazardous waste. The occupier shall impart training to the personnel/workers for handling and storage of hazardous wastes.
11. There should be sufficient & efficient provisions to avoid under ground water contamination from waste storage of hazardous wastes
12. The occupier shall be responsible for any damage of life/or property during storage of his waste and will obtain Public Liability Insurance, wherever applicable.
13. The occupier and operator of a facility also be liable to reinstate or restore damaged or destroyed elements of the environment at his cost, failing which the occupier or the operator of a facility, as the case may be, shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by the State Pollution Control Board.

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



05/05/2025

(Amit Kumar)
Environmental Engineer

For & on behalf

of

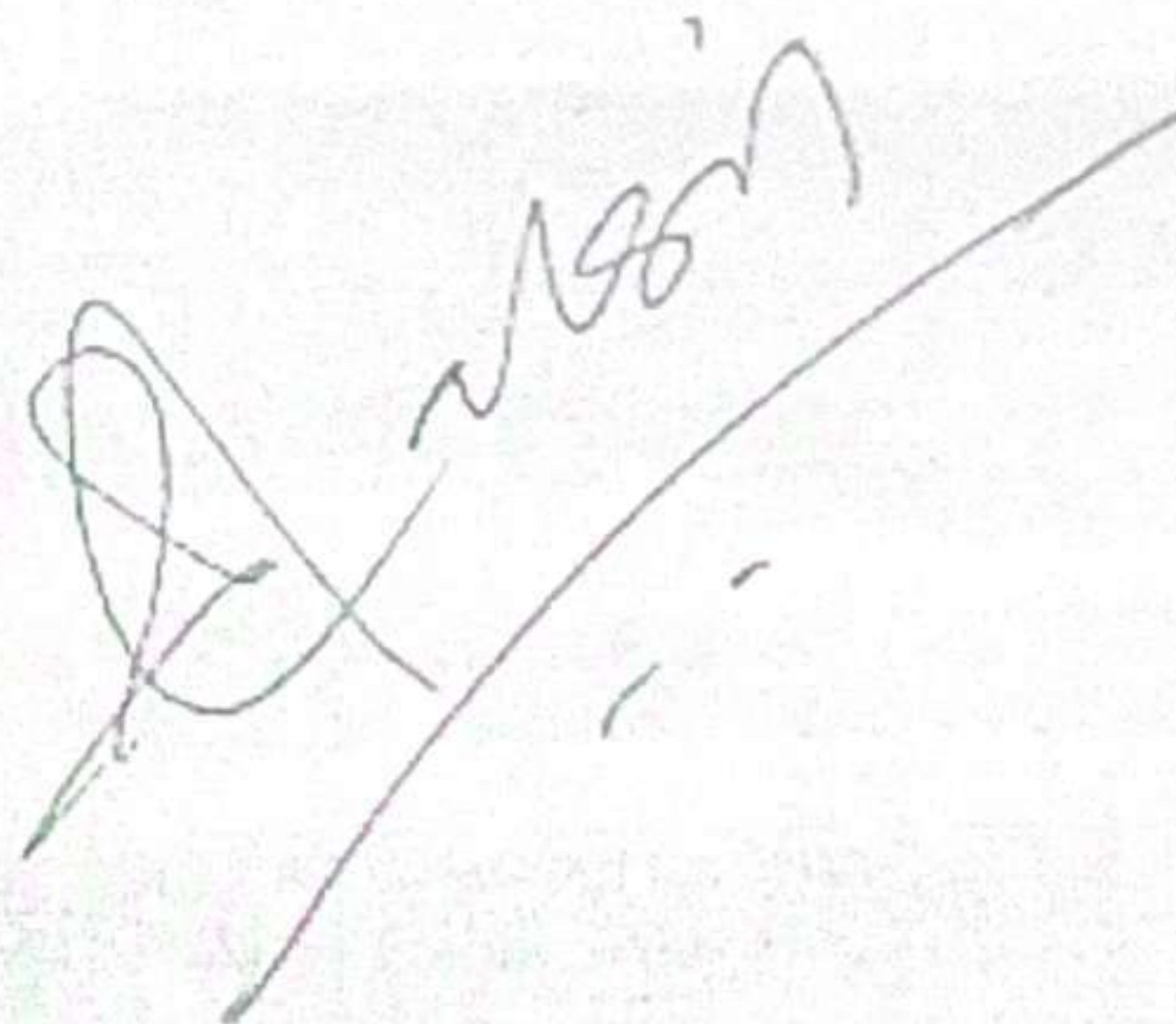
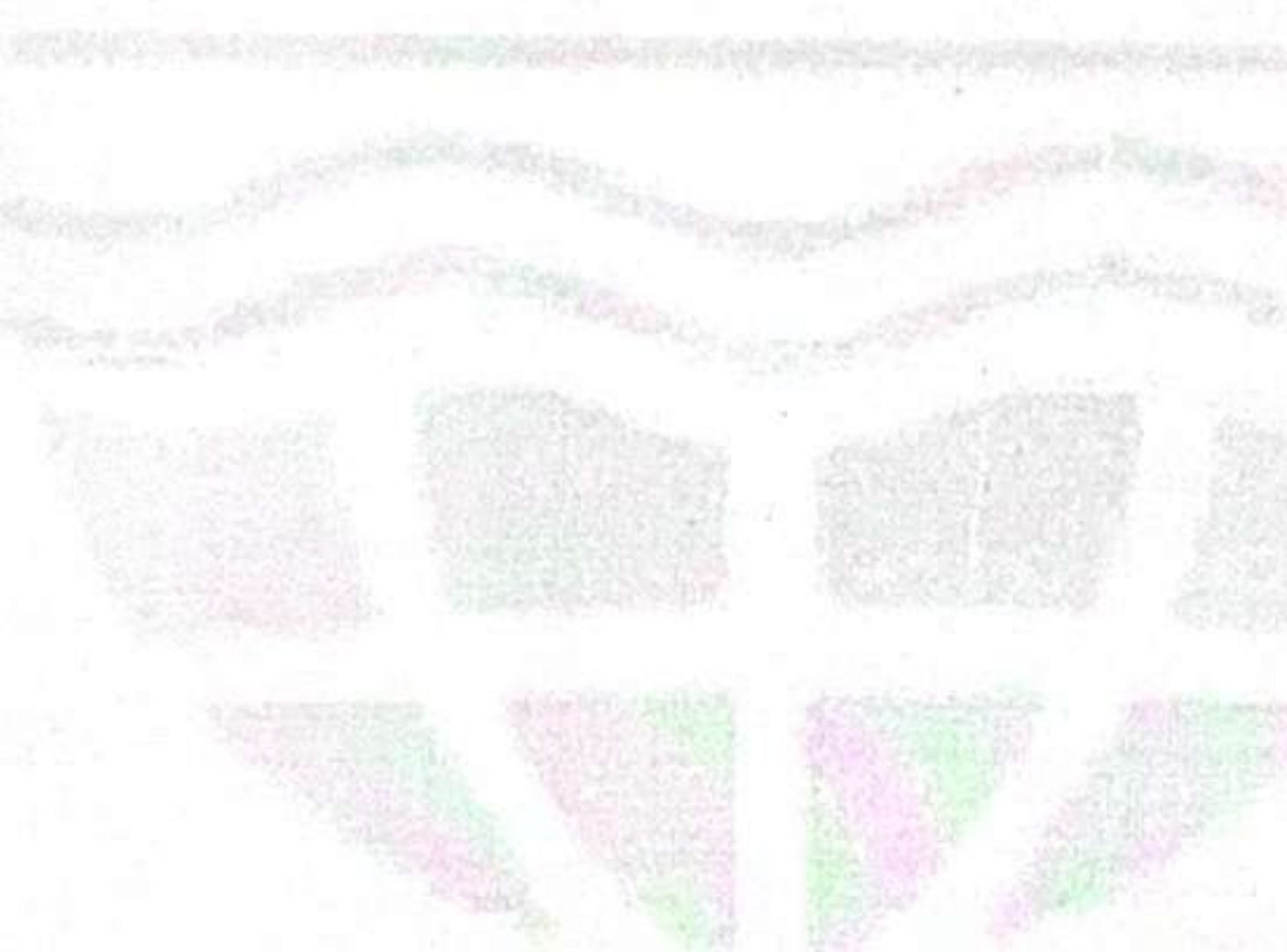
(Punjab Pollution Control Board)

Endst. No.:

Dated:

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

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



05/05/2025

(Amit Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

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Madhav krg hrc pvt. Ltd. Village akalgarh & bhagwanpura, amlah-bhadson road, near toll plaza, Fatehgarh sahib, Fatehgarh sahib, 147203

Page 4

Madhav KRG HRC Pvt. Ltd.
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| 14-Mar-2025 01:00 | 3.22 |
| 14-Mar-2025 01:15 | 3.06 |
| 14-Mar-2025 01:30 | 3.43 |
| 14-Mar-2025 01:45 | 3.12 |
| 14-Mar-2025 02:00 | 5.16 |
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| 14-Mar-2025 02:30 | 4.23 |
| 14-Mar-2025 02:45 | 3.63 |
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| 14-Mar-2025 03:45 | 2.93 |

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| 14-Mar-2025 05:00 | 0.95 |
| 14-Mar-2025 05:15 | 0.91 |
| 14-Mar-2025 05:30 | 0.97 |
| 14-Mar-2025 05:45 | 0.97 |
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| 14-Mar-2025 06:15 | 0.68 |
| 14-Mar-2025 06:30 | 0.7 |
| 14-Mar-2025 06:45 | 1.07 |
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| 14-Mar-2025 07:45 | 0.91 |
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| 14-Mar-2025 08:15 | 0.86 |
| 14-Mar-2025 08:30 | 0.91 |
| 14-Mar-2025 08:45 | 0.98 |
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| 14-Mar-2025 09:15 | 0.85 |
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| 14-Mar-2025 09:45 | 1.3 |
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| 14-Mar-2025 10:30 | 1.08 |
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| 14-Mar-2025 11:00 | 1.28 |
| 14-Mar-2025 11:15 | 1.28 |
| 14-Mar-2025 11:30 | 1.05 |
| 14-Mar-2025 11:45 | 1.16 |
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| 14-Mar-2025 12:45 | 1.2 |
| 14-Mar-2025 13:00 | 1.32 |
| 14-Mar-2025 13:15 | 1.37 |
| 14-Mar-2025 13:30 | 1.33 |
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| 14-Mar-2025 14:00 | 1.28 |
| 14-Mar-2025 14:15 | 1.16 |
| 14-Mar-2025 14:30 | 1.01 |
| 14-Mar-2025 14:45 | 0.93 |
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| 14-Mar-2025 16:45 | 0.9 |
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| 14-Mar-2025 18:30 | 1.26 |
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| 14-Mar-2025 22:00 | 0.7 |
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| 14-Mar-2025 22:30 | 0.63 |
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| 15-Mar-2025 14:15 | 5.12 |
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| 15-Mar-2025 21:45 | 0.79 |
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| 16-Mar-2025 06:15 | 0.66 |
| 16-Mar-2025 06:30 | 0.76 |
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| 16-Mar-2025 07:45 | 0.98 |
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| 16-Mar-2025 09:00 | 0.96 |
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| 16-Mar-2025 09:45 | 0.96 |
| 16-Mar-2025 10:00 | 0.83 |
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| 16-Mar-2025 12:45 | 6.72 |
| 16-Mar-2025 13:00 | 6.67 |
| 16-Mar-2025 13:15 | 8.42 |
| 16-Mar-2025 13:30 | 8.35 |
| 16-Mar-2025 13:45 | 6.74 |
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| Timestamp | SPM |
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| 16-Mar-2025 23:45 | 5 |
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| 17-Mar-2025 01:15 | 4.74 |
| 17-Mar-2025 01:30 | 5.13 |
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| 17-Mar-2025 02:15 | 4.87 |

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| 17-Mar-2025 04:15 | 0.94 |
| 17-Mar-2025 04:30 | 1.96 |
| 17-Mar-2025 04:45 | 3.83 |
| 17-Mar-2025 05:00 | 4.2 |
| 17-Mar-2025 05:15 | 3.86 |
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| 17-Mar-2025 11:00 | 3.99 |
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| 17-Mar-2025 11:45 | 4.51 |
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| 17-Mar-2025 12:45 | 5.11 |
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| 17-Mar-2025 17:00 | 4.58 |
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| 28-Mar-2025 17:45 | 3.53 |
| 28-Mar-2025 18:00 | 3.49 |
| 28-Mar-2025 18:15 | 3.37 |
| 28-Mar-2025 18:30 | 3.32 |
| 28-Mar-2025 18:45 | 3.26 |
| 28-Mar-2025 19:00 | 3.2 |
| 28-Mar-2025 19:15 | 3.28 |
| 28-Mar-2025 19:30 | 3.11 |
| 28-Mar-2025 19:45 | 3.14 |
| 28-Mar-2025 20:00 | 3.26 |
| 28-Mar-2025 20:15 | 3.55 |

| Timestamp | SPM |
|-------------------|------|
| 28-Mar-2025 20:30 | 3.65 |
| 28-Mar-2025 20:45 | 3.73 |
| 28-Mar-2025 21:00 | 3.87 |
| 28-Mar-2025 21:15 | 4.16 |
| 28-Mar-2025 21:30 | 4.27 |
| 28-Mar-2025 21:45 | 4.01 |
| 28-Mar-2025 22:00 | 4.2 |
| 28-Mar-2025 22:15 | 3.77 |
| 28-Mar-2025 22:30 | 3.74 |
| 28-Mar-2025 22:45 | 3.92 |
| 28-Mar-2025 23:00 | 4.28 |
| 28-Mar-2025 23:15 | 7.31 |
| 28-Mar-2025 23:30 | 7.2 |
| 28-Mar-2025 23:45 | 6.9 |
| 29-Mar-2025 00:00 | 4.53 |
| 29-Mar-2025 00:15 | 4.83 |
| 29-Mar-2025 00:30 | 4.87 |
| 29-Mar-2025 00:45 | 4.75 |
| 29-Mar-2025 01:00 | 4.55 |
| 29-Mar-2025 01:15 | 5.2 |
| 29-Mar-2025 01:30 | 5.04 |
| 29-Mar-2025 01:45 | 4.99 |
| 29-Mar-2025 02:00 | 5.1 |
| 29-Mar-2025 02:15 | 5.43 |
| 29-Mar-2025 02:30 | 5.49 |
| 29-Mar-2025 02:45 | 3.86 |
| 29-Mar-2025 03:00 | 0.83 |
| 29-Mar-2025 03:15 | 0.9 |
| 29-Mar-2025 03:30 | 1.25 |
| 29-Mar-2025 03:45 | 4.23 |
| 29-Mar-2025 04:00 | 4.5 |
| 29-Mar-2025 04:15 | 4.51 |
| 29-Mar-2025 04:30 | 4.83 |
| 29-Mar-2025 04:45 | 4.5 |
| 29-Mar-2025 05:00 | 4.25 |
| 29-Mar-2025 05:15 | 4.16 |
| 29-Mar-2025 05:30 | 4.06 |
| 29-Mar-2025 05:45 | 7.67 |
| 29-Mar-2025 06:00 | 7.85 |
| 29-Mar-2025 06:15 | 6.58 |
| 29-Mar-2025 06:30 | 8.61 |
| 29-Mar-2025 06:45 | 6.28 |
| 29-Mar-2025 07:00 | 9.41 |
| 29-Mar-2025 07:15 | 8.29 |
| 29-Mar-2025 07:30 | 5.9 |
| 29-Mar-2025 07:45 | 4.08 |
| 29-Mar-2025 08:00 | 5.66 |

| Timestamp | SPM |
|-------------------|------|
| 29-Mar-2025 08:15 | 4.67 |
| 29-Mar-2025 08:30 | 4.69 |
| 29-Mar-2025 08:45 | 4.44 |
| 29-Mar-2025 09:00 | 4.27 |
| 29-Mar-2025 09:15 | 4.61 |
| 29-Mar-2025 09:30 | 4.16 |
| 29-Mar-2025 09:45 | 4.13 |
| 29-Mar-2025 10:00 | 4.35 |
| 29-Mar-2025 10:15 | 4.27 |
| 29-Mar-2025 10:30 | 4.17 |
| 29-Mar-2025 10:45 | 4.23 |
| 29-Mar-2025 11:00 | 4.71 |
| 29-Mar-2025 11:15 | 4.59 |
| 29-Mar-2025 11:30 | 4.3 |
| 29-Mar-2025 11:45 | 4.17 |
| 29-Mar-2025 12:00 | 4.45 |
| 29-Mar-2025 12:15 | 4.52 |
| 29-Mar-2025 12:30 | 4.78 |
| 29-Mar-2025 12:45 | 4.36 |
| 29-Mar-2025 13:00 | 4.35 |
| 29-Mar-2025 13:15 | 4.48 |
| 29-Mar-2025 13:30 | 4.34 |
| 29-Mar-2025 13:45 | 5.09 |
| 29-Mar-2025 14:00 | 4.93 |
| 29-Mar-2025 14:15 | 4.75 |
| 29-Mar-2025 14:30 | 4.51 |
| 29-Mar-2025 14:45 | 4.64 |
| 29-Mar-2025 15:00 | 4.61 |
| 29-Mar-2025 15:15 | 4.73 |
| 29-Mar-2025 15:30 | 4.93 |
| 29-Mar-2025 15:45 | 4.33 |
| 29-Mar-2025 16:00 | 4.48 |
| 29-Mar-2025 16:15 | 4.67 |
| 29-Mar-2025 16:30 | 5.07 |
| 29-Mar-2025 16:45 | 4.79 |
| 29-Mar-2025 17:00 | 4.84 |
| 29-Mar-2025 17:15 | 4.67 |
| 29-Mar-2025 17:30 | 4.55 |
| 29-Mar-2025 17:45 | 4.52 |
| 29-Mar-2025 18:00 | 4.45 |
| 29-Mar-2025 18:15 | 4.12 |
| 29-Mar-2025 18:30 | 4.35 |
| 29-Mar-2025 18:45 | 4.47 |
| 29-Mar-2025 19:00 | 4.55 |
| 29-Mar-2025 19:15 | 4.53 |
| 29-Mar-2025 19:30 | 4.5 |
| 29-Mar-2025 19:45 | 4.44 |

| Timestamp | SPM |
|-------------------|------|
| 29-Mar-2025 20:00 | 4.33 |
| 29-Mar-2025 20:15 | 4.45 |
| 29-Mar-2025 20:30 | 4.33 |
| 29-Mar-2025 20:45 | 4.13 |
| 29-Mar-2025 21:00 | 4.12 |
| 29-Mar-2025 21:15 | 3.01 |
| 29-Mar-2025 21:30 | 0.95 |
| 29-Mar-2025 21:45 | 0.9 |
| 29-Mar-2025 22:00 | 0.95 |
| 29-Mar-2025 22:15 | 1.04 |
| 29-Mar-2025 22:30 | 0.87 |
| 29-Mar-2025 22:45 | 2.18 |
| 29-Mar-2025 23:00 | 3.98 |
| 29-Mar-2025 23:15 | 3.97 |
| 29-Mar-2025 23:30 | 3.82 |
| 29-Mar-2025 23:45 | 3.93 |
| 30-Mar-2025 00:00 | 4.08 |
| 30-Mar-2025 00:15 | 5.01 |
| 30-Mar-2025 00:30 | 7.11 |
| 30-Mar-2025 00:45 | 9.06 |
| 30-Mar-2025 01:00 | 9.92 |
| 30-Mar-2025 01:15 | 6.81 |
| 30-Mar-2025 01:30 | 6.98 |
| 30-Mar-2025 01:45 | 7.44 |
| 30-Mar-2025 02:00 | 6.44 |
| 30-Mar-2025 02:15 | 4.83 |
| 30-Mar-2025 02:30 | 4.68 |
| 30-Mar-2025 02:45 | 4.91 |
| 30-Mar-2025 03:00 | 5.3 |
| 30-Mar-2025 03:15 | 5.27 |
| 30-Mar-2025 03:30 | 5.63 |
| 30-Mar-2025 03:45 | 5.28 |
| 30-Mar-2025 04:00 | 5.25 |
| 30-Mar-2025 04:15 | 5.28 |
| 30-Mar-2025 04:30 | 5 |
| 30-Mar-2025 04:45 | 5.46 |
| 30-Mar-2025 05:00 | 7.25 |
| 30-Mar-2025 05:15 | 6.39 |
| 30-Mar-2025 05:30 | 6.19 |
| 30-Mar-2025 05:45 | 7.48 |
| 30-Mar-2025 06:00 | 4.59 |
| 30-Mar-2025 06:15 | 3.99 |
| 30-Mar-2025 06:30 | 4.11 |
| 30-Mar-2025 06:45 | 6.32 |
| 30-Mar-2025 07:00 | 6.83 |
| 30-Mar-2025 07:15 | 6.87 |
| 30-Mar-2025 07:30 | 7.46 |

| Timestamp | SPM |
|-------------------|------|
| 30-Mar-2025 07:45 | 5.16 |
| 30-Mar-2025 08:00 | 6.15 |
| 30-Mar-2025 08:15 | 4.82 |
| 30-Mar-2025 08:30 | 5.24 |
| 30-Mar-2025 08:45 | 5 |
| 30-Mar-2025 09:00 | 4.81 |
| 30-Mar-2025 09:15 | 4.56 |
| 30-Mar-2025 09:30 | 4.85 |
| 30-Mar-2025 09:45 | 5.47 |
| 30-Mar-2025 10:00 | 5.11 |
| 30-Mar-2025 10:15 | 5.25 |
| 30-Mar-2025 10:30 | 5.43 |
| 30-Mar-2025 10:45 | 5.01 |
| 30-Mar-2025 11:00 | 5.73 |
| 30-Mar-2025 11:15 | 4.98 |
| 30-Mar-2025 11:30 | 5.4 |
| 30-Mar-2025 11:45 | 5.43 |
| 30-Mar-2025 12:00 | 5.36 |
| 30-Mar-2025 12:15 | 5.68 |
| 30-Mar-2025 12:30 | 5.6 |
| 30-Mar-2025 12:45 | 5.58 |
| 30-Mar-2025 13:00 | 5.15 |
| 30-Mar-2025 13:15 | 5.26 |
| 30-Mar-2025 13:30 | 5.57 |
| 30-Mar-2025 13:45 | 5.76 |
| 30-Mar-2025 14:00 | 5.96 |
| 30-Mar-2025 14:15 | 4.88 |
| 30-Mar-2025 14:30 | 4.9 |
| 30-Mar-2025 14:45 | 4.9 |
| 30-Mar-2025 15:00 | 5.18 |
| 30-Mar-2025 15:15 | 5.36 |
| 30-Mar-2025 15:30 | 5.33 |
| 30-Mar-2025 15:45 | 4.84 |
| 30-Mar-2025 16:00 | 4.46 |
| 30-Mar-2025 16:15 | 4.65 |
| 30-Mar-2025 16:30 | 4.5 |
| 30-Mar-2025 16:45 | 4.33 |
| 30-Mar-2025 17:00 | 3.46 |
| 30-Mar-2025 17:15 | 1.13 |
| 30-Mar-2025 17:30 | 1.2 |
| 30-Mar-2025 17:45 | 1.15 |
| 30-Mar-2025 18:00 | 1.19 |
| 30-Mar-2025 18:15 | 1.48 |
| 30-Mar-2025 18:30 | 4.07 |
| 30-Mar-2025 18:45 | 4.06 |
| 30-Mar-2025 19:00 | 4.41 |
| 30-Mar-2025 19:15 | 3.84 |

| Timestamp | SPM |
|-------------------|------|
| 30-Mar-2025 19:30 | 4.14 |
| 30-Mar-2025 19:45 | 4.25 |
| 30-Mar-2025 20:00 | 4.3 |
| 30-Mar-2025 20:15 | 4.32 |
| 30-Mar-2025 20:30 | 4.29 |
| 30-Mar-2025 20:45 | 4.82 |
| 30-Mar-2025 21:00 | 4.8 |
| 30-Mar-2025 21:15 | 4.95 |
| 30-Mar-2025 21:30 | 4.93 |
| 30-Mar-2025 21:45 | 4.78 |
| 30-Mar-2025 22:00 | 9.48 |
| 30-Mar-2025 22:15 | 8 |
| 30-Mar-2025 22:30 | 6.74 |
| 30-Mar-2025 22:45 | 4.36 |
| 30-Mar-2025 23:00 | 4.16 |
| 30-Mar-2025 23:15 | 4.25 |
| 30-Mar-2025 23:30 | 3.88 |
| 30-Mar-2025 23:45 | 4.92 |
| 31-Mar-2025 00:00 | 8.53 |
| 31-Mar-2025 00:15 | 6.08 |
| 31-Mar-2025 00:30 | 4.25 |
| 31-Mar-2025 00:45 | 4.53 |
| 31-Mar-2025 01:00 | 5.08 |
| 31-Mar-2025 01:15 | 4.95 |
| 31-Mar-2025 01:30 | 4.67 |
| 31-Mar-2025 01:45 | 5.28 |
| 31-Mar-2025 02:00 | 4.72 |
| 31-Mar-2025 02:15 | 4.7 |
| 31-Mar-2025 02:30 | 4.92 |
| 31-Mar-2025 02:45 | 4.85 |
| 31-Mar-2025 03:00 | 4.78 |
| 31-Mar-2025 03:15 | 5 |
| 31-Mar-2025 03:30 | 5.12 |
| 31-Mar-2025 03:45 | 4.76 |
| 31-Mar-2025 04:00 | 4.91 |
| 31-Mar-2025 04:15 | 4.64 |
| 31-Mar-2025 04:30 | 5.06 |
| 31-Mar-2025 04:45 | 5.15 |
| 31-Mar-2025 05:00 | 4.96 |
| 31-Mar-2025 05:15 | 4.43 |
| 31-Mar-2025 05:30 | 4.49 |
| 31-Mar-2025 05:45 | 4.7 |
| 31-Mar-2025 06:00 | 4.81 |
| 31-Mar-2025 06:15 | 4.72 |
| 31-Mar-2025 06:30 | 4.98 |
| 31-Mar-2025 06:45 | 4.91 |
| 31-Mar-2025 07:00 | 4.92 |

| Timestamp | SPM |
|-------------------|------|
| 31-Mar-2025 07:15 | 4.3 |
| 31-Mar-2025 07:30 | 4.51 |
| 31-Mar-2025 07:45 | 5.01 |
| 31-Mar-2025 08:00 | 5.02 |
| 31-Mar-2025 08:15 | 5.1 |
| 31-Mar-2025 08:30 | 4.93 |
| 31-Mar-2025 08:45 | 4.95 |
| 31-Mar-2025 09:00 | 5.07 |
| 31-Mar-2025 09:15 | 4.72 |
| 31-Mar-2025 09:30 | 4.86 |
| 31-Mar-2025 09:45 | 4.88 |
| 31-Mar-2025 10:00 | 5.16 |
| 31-Mar-2025 10:15 | 5.21 |
| 31-Mar-2025 10:30 | 5.1 |
| 31-Mar-2025 10:45 | 5.1 |
| 31-Mar-2025 11:00 | 5.25 |
| 31-Mar-2025 11:15 | 5.13 |
| 31-Mar-2025 11:30 | 4.84 |
| 31-Mar-2025 11:45 | 4.82 |
| 31-Mar-2025 12:00 | 5.4 |
| 31-Mar-2025 12:15 | 4.9 |
| 31-Mar-2025 12:30 | 5.06 |
| 31-Mar-2025 12:45 | 4.81 |
| 31-Mar-2025 13:00 | 4.81 |
| 31-Mar-2025 13:15 | 4.59 |
| 31-Mar-2025 13:30 | 4.93 |
| 31-Mar-2025 13:45 | 5.11 |
| 31-Mar-2025 14:00 | 3.93 |
| 31-Mar-2025 14:15 | 0.95 |
| 31-Mar-2025 14:30 | 1.15 |
| 31-Mar-2025 14:45 | 1.05 |
| 31-Mar-2025 15:00 | 1.14 |
| 31-Mar-2025 15:15 | 1.08 |
| 31-Mar-2025 15:30 | 1.11 |
| 31-Mar-2025 15:45 | 2.26 |
| 31-Mar-2025 16:00 | 3.72 |
| 31-Mar-2025 16:15 | 3.67 |
| 31-Mar-2025 16:30 | 3.49 |
| 31-Mar-2025 16:45 | 3.61 |
| 31-Mar-2025 17:00 | 3.58 |
| 31-Mar-2025 17:15 | 3.55 |
| 31-Mar-2025 17:30 | 3.43 |
| 31-Mar-2025 17:45 | 3.52 |
| 31-Mar-2025 18:00 | 3.63 |
| 31-Mar-2025 18:15 | 3.65 |
| 31-Mar-2025 18:30 | 3.71 |
| 31-Mar-2025 18:45 | 3.51 |

| Timestamp | SPM |
|-------------------|------|
| 31-Mar-2025 19:00 | 3.59 |
| 31-Mar-2025 19:15 | 3.71 |
| 31-Mar-2025 19:30 | 3.52 |
| 31-Mar-2025 19:45 | 3.93 |
| 31-Mar-2025 20:00 | 5.11 |
| 31-Mar-2025 20:15 | 3.25 |
| 31-Mar-2025 20:30 | 3.32 |
| 31-Mar-2025 20:45 | 3.72 |
| 31-Mar-2025 21:00 | 3.69 |
| 31-Mar-2025 21:15 | 3.75 |
| 31-Mar-2025 21:30 | 3.44 |
| 31-Mar-2025 21:45 | 3.79 |
| 31-Mar-2025 22:00 | 3.29 |
| 31-Mar-2025 22:15 | 3.3 |
| 31-Mar-2025 22:30 | 6.54 |
| 31-Mar-2025 22:45 | 6.1 |
| 31-Mar-2025 23:00 | 5.64 |
| 31-Mar-2025 23:15 | 6.75 |
| 31-Mar-2025 23:30 | 5.51 |
| 31-Mar-2025 23:45 | 7.15 |

To
M/s MADHAV KRG HRC PVT LTD,
VILLAGE AKALGARH, NEAR TOLL PLAZA, AMLOH
BHADSON ROAD, BHADALTHUHA, PATIALA, PUNJAB-147203

| | | | |
|-------------------------------|-----------------|------------------------|-----------------------|
| Report No. | RBEL/2411/007A | Report Date | 11.11.2024 |
| Your Ref. No | Nil | Type of sample | Process Stack |
| Sample Code given by Customer | OLD | Date of sampling | 05.11.2024 |
| | | Date of Sample Receipt | 06.11.2024 |
| Sampling Location | Within Premises | | |
| Sample Collected By | Lab Person | Sample I.D. | RBEL/2411/007A |
| Sampling procedure | As per SOP | Date of test | 06.11.2024-11.11.2024 |

TECHNICAL DATA

| | | |
|----|--------------------------------|------------------------------------|
| 1 | Instrument Used for Sampling | VSSI |
| 2 | Source of Emission | Process Stack of Induction Furnace |
| 3 | Fuel used in source | Electricity |
| 4 | Type of stack | Circular of Metal |
| 5 | Velocity of fuel gases | 8.96m/s |
| 6 | Sampling Duration | 47min. |
| 7 | Ambient air temperature | 24 ^o C |
| 8 | Stack temperature | 76 ^o C |
| 9 | Stack height from ground level | 45 Mtr (GL) |
| 10 | Diameter of stack | 3.8Mtr |
| 11 | No. of traverse point selected | 01 |
| 12 | Type of APCD Installed | Bag house Filter |

| S. NO | PARAMETER | RESULT (mg/nm ³) | Limits (mg/nm ³) CPCB-2010 | TEST METHOD |
|-------|----------------------------|------------------------------|--|-----------------------|
| 1. | Particulate Matter, mg/Nm3 | 12.5 | 50 | IS:11255(Pt -1): 1985 |

Note:

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

** End of Report **





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

111-A, F.F., Sunder Enclave, Desu Majra, SAS Nagar, Kharar, Distt. Mohali (Pb.)

(NABL APPROVED LAB.) ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

+91, 6239447329, 8437473298

Page 1 of 1

To
M/s MADHAV KRG HRC PVT LTD,
VILLAGE AKALGARH, NEAR TOLL PLAZA, AMLOH
BHADSON ROAD, BHADALTHUHA, PATIALA, PUNJAB-147203

| | | | |
|-------------------------------|-----------------|------------------------|----------------------------|
| Report No. | RBEL/2411/007J | Report Date | 11.11.2024 |
| Ref. No. | Nil | Type of Sample | Stack Emission (D.G.SET-1) |
| Sample Code Given by Customer | Nil | Date of Sampling | 05.11.2024 |
| | | Date of Sample Receipt | 06.11.2024 |
| Sampling Location | Within Premises | | |
| Sample Collected By | Lab Person | Sample I.D. | RBEL/2411/007J |
| Sampling procedure | As per SOP | Date of Test | 06.11.2024-11.11.2024 |

TECHNICAL DATA

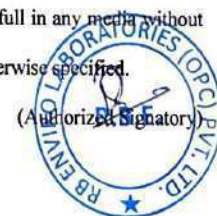
| | | | |
|--------------------------------|---|-----------------------------------|----------------|
| Instrument Used for Sampling | Stack Monitoring Instrument(VSSI) | | |
| Source of Emission | D.G.Set (500 KVA) 1 No. Stack Attached to D.G.Set | | |
| Engine S. No | 25483453 | Model Name. | CUMMINS |
| Mfg. Year | 05.04.2023 | Fuel Used | H.S.D |
| | | Type & Qty. of fuel used (lt/hr.) | 50-60 Liter/hr |
| Velocity of Flue Gases | 9.55 m/s | Type of Stack | Round of M.S |
| Ambient Air Temp | 24 °C | Sampling Time | 48Min |
| Stack Height | 30 feet | Stack Temperature | 210°C |
| Diameter of Stack | 6 inch | | |
| Stack material Metal/RCC/Brick | Metal | | |
| Identification single/multiple | Single | | |
| Sampling port hole/platform | Sampling done by standing on Platform | | |

| SR. NO. | PARAMETERS | RESULTS | Limits | TEST METHOD |
|---------|---|---------|--------|-----------------------|
| 1 | Particulate Matter, g/kW-hr | 0.15 | ≤0.2 | IS:11255(Pt -1): 1985 |
| 2 | Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr | 0.46 | ≤4.0 | IS:11255(Pt -7):2005 |
| 3 | Sulphur Content, (as SO ₂) % | ND | <2% | IS 11255 Part 2: 2006 |
| 4 | Carbon Monoxide, (as CO) g/Kw-hr | 0.52 | ≤3.5 | IS 13270 : 1992 |

Note:

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

** End of Report **





RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

111-A, F.F., Sunder Enclave, Desu Majra, SAS Nagar, Kharar, Distt. Mohali (Pb.)

(NABL APPROVED LAB.) ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

+91, 6239447329, 8437473298

Page 1 of 1

To
M/s MADHAV KRG HRC PVT LTD,
VILLAGE AKALGARH, NEAR TOLL PLAZA, AMLOH
BHADSON ROAD, BHADALTHUHA, PATIALA, PUNJAB-147203

| | | | |
|-------------------------------|-----------------|------------------------|----------------------------|
| Report No. | RBEL/2411/007N | Report Date | 11.11.2024 |
| Ref. No. | Nil | Type of Sample | Stack Emission (D.G.SET-2) |
| Sample Code Given by Customer | Nil | Date of Sampling | 05.11.2024 |
| | | Date of Sample Receipt | 06.11.2024 |
| Sampling Location | Within Premises | | |
| Sample Collected By | Lab Person | Sample I.D. | RBEL/2411/007N |
| Sampling procedure | As per SOP | Date of Test | 06.11.2024-11.11.2024 |

| TECHNICAL DATA | | | |
|--------------------------------|---|-----------------------------------|----------------|
| Instrument Used for Sampling | Stack Monitoring Instrument(VSSI) | | |
| Source of Emission | D.G.Set (500 KVA) 1 No. Stack Attached to D.G.Set | | |
| Engine S. No | 25483453 | Model Name. | CUMMINS |
| Mfg. Year | 05.04.2023 | Fuel Used | H.S.D |
| | | Type & Qty. of fuel used (lt/hr.) | 50-60 Liter/hr |
| Velocity of Flue Gases | 9.11 m/s | Type of Stack | Round of M.S |
| Ambient Air Temp | 24°C | Sampling Time | 47Min |
| Stack Height | 30 feet | Stack Temperature | 245°C |
| Diameter of Stack | 6 inch | | |
| Stack material Metal/RCC/Brick | Metal | | |
| Identification single/multiple | Single | | |
| Sampling port hole/platform | Sampling done by standing on Platform | | |

| SR. NO. | PARAMETERS | RESULTS | Limits | TEST METHOD |
|---------|---|---------|--------|-----------------------|
| 1 | Particulate Matter, g/kW-hr | 0.10 | ≤0.2 | IS:11255(Pt -1): 1985 |
| 2 | Oxides of Nitrogen (NO _x) as NO ₂ + THC, g/Kw-hr | 0.22 | ≤4.0 | IS:11255(Pt -7):2005 |
| 3 | Sulphur Content, (as SO ₂) % | ND | <2% | IS 11255 Part 2: 2006 |
| 4 | Carbon Monoxide, (as CO) g/Kw-hr | 0.37 | ≤3.5 | IS 13270 : 1992 |

Note:

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

** End of Report **





BUILDING A SUSTAINABLE
TOMORROW

Nov 04, 2024

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of Manifests for the period from 01.10.24 to 31.10.24 for disposal of APCD Dust

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith manifests for the APCD dust, disposed off during the period from 01.10.24 to 31.10.24.

Kindly acknowledge the receipt.

Thank you,

Yours truly

For Madhav KRG HRC Ltd.

Authorized Signatory

Encl: 1. Annexure – 1 for list of Manifests

2. Manifests in original (White)



Madhav KRG HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1,

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

Works: Vill. Akalgarh, Amloh-Bhadson Road,

Near Toll Plaza, Dist. Patiala-147203

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



BUILDING A SUSTAINABLE
TOMORROW

Nov 04, 2024

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of monthly data for month Oct.2024 (from 01.10.24 to 31.10.24) of FES
Energy Meter Reading & Borwell.

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith data/extracts for month Oct.2024 (from 01.10.24 to 31.10.24) of the following:

1. FES Energy Meter Reading
2. Borwell
3. Peizo Meter

Kindly acknowledge the receipt.

Thank you,

Yours truly

For Madhav KRG HRC Pvt.Ltd.

Authorized Signatory



Madhav KRG HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1,
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Phone: +91- 1765-500075 **E-mail:** info@madhavkrsgroup.com



BUILDING A SUSTAINABLE
TOMORROW

Dec 04, 2024

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of Manifests for the period from 01.11.24 to 30.11.24 for disposal of APCD Dust

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith manifests for the APCD dust, disposed off during the period from 01.11.24 to 30.11.24.

Kindly acknowledge the receipt.

Thank you,

Yours truly
For Madhav KRG HRC Ltd.

Authorized Signatory
Encl: 1. Annexure – 1 for list of Manifests

2. Manifests in original (White)



Madhav KRG HRC Private Limited

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BUILDING A SUSTAINABLE
TOMORROW

Dec 04, 2024

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of monthly data for month Nov.2024 (from 01.11.24 to 30.11.24) of FES
Energy Meter Reading & Borwell.

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith data/extracts for month Nov.2024 (from 01.11.24 to 30.11.24) of the following:

1. FES Energy Meter Reading
2. Borwell
3. Peizo Meter

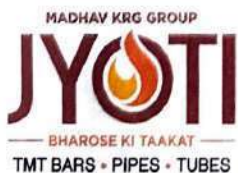
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Thank you,

Yours truly

For Madhav KRG HRC Pvt.Ltd.


Authorized Signatory



Madhav KRG HRC Private Limited

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



BUILDING A SUSTAINABLE
TOMORROW

Jan 03, 2025

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of monthly data for month Dec.2024 (from 01.12.24 to 31.12.24) of FES
Energy Meter Reading & Borwell.

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith data/extracts for month Dec.2024 (from 01.12.24 to
31.12.24) of the following:

1. FES Energy Meter Reading
2. Borwell
3. Peizo Meter

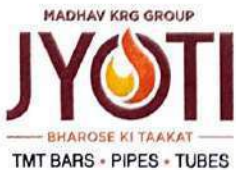
Kindly acknowledge the receipt.

Thank you,



Yours truly
For Madhav KRG HRC Pvt.Ltd.

Authorized Signatory



Madhav KRG HRC Private Limited

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



BUILDING A SUSTAINABLE
TOMORROW

Jan 03, 2025

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of Manifests for the period from 01.12.24 to 31.12.24 for disposal of APCD Dust

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith manifests for the APCD dust, disposed off during the period from 01.12.24 to 31.12.24.

Kindly acknowledge the receipt.

Thank you,

Yours truly
For Madhav KRG HRC Ltd.



Authorized Signatory

Encl: 1. Annexure – 1 for list of Manifests

2. Manifests in original (White)



TMT BARS • PIPES • TUBES

Madhav KRG HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1,
Netaji Subhash Place, Pitampura, North West, Delhi-110058

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

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



BUILDING A SUSTAINABLE
TOMORROW

Mar 05, 2025

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of Manifests for the period from 01.02.25 to 28.02.25 for disposal of APCD Dust

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith manifests for the APCD dust, disposed off during the period from 01.02.25 to 28.02.25.

Kindly acknowledge the receipt.

Thank you,

Yours truly

For Madhav KRG HRC Ltd.

Authorized Signatory

Encl: 1. Annexure – 1 for list of Manifests

2. Manifests in original (White)

Received
5/3/25



Madhav KRG HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1,
Netaji Subhash Place, Pitampura, North West, Delhi-110058

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

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



BUILDING A SUSTAINABLE
TOMORROW

Mar 05, 2025

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of monthly data for month Feb.2025 (from 01.02.25 to 28.02.25) of FES Energy Meter Reading & Borwell.

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith data/extracts for month Feb.2025 (from 01.02.25 to 28.02.25) of the following:


1. FES Energy Meter Reading
2. Borwell
3. Peizo Meter

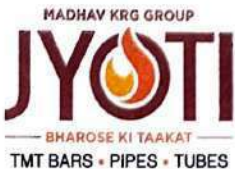
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Thank you,

Yours truly

For Madhav KRG HRC Pvt.Ltd.


Authorized Signatory



Madhav KRG HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1,
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Phone: +91- 1765-500075 *E-mail:* info@madhavkrsgroup.com



BUILDING A SUSTAINABLE
TOMORROW

April 04, 2025

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of monthly data for month Mar.2025 (from 01.03.25 to 31.03.25) of FES
Energy Meter Reading & Borwell.

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith data/extracts for month Mar.2025 (from 01.03.25 to 31.03.25) of the following:

1. FES Energy Meter Reading
2. Borewell
3. Peizo Meter

Kindly acknowledge the receipt.

Thank you,

Yours truly

For Madhav KRG HRC Pvt.Ltd.

Authorized Signatory



Madhav KRG HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1,
Netaji Subhash Place, Pitampura, North West, Delhi-110058

Works: Vill. Akalgarh, Amloh-Bhadson Road,
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Phone: +91- 1765-500075 *E-mail:* info@madhavkrngroup.com



BUILDING A SUSTAINABLE
TOMORROW

April 04, 2025

The Environmental Engineer
Punjab Pollution Control Board,
RO office, Fatehgarh Sahib, Punjab.

Sub.: Submission of Manifests for the period from 01.03.25 to 31.03.25 for disposal of APCD Dust

Industry ID: R22PTA821818

Dear Sir,

Please find enclosed herewith manifests for the APCD dust, disposed off during the period from 01.03.25 to 31.03.25.

Kindly acknowledge the receipt.

Thank you,

Yours truly
For Madhav KRG HRC Ltd.

Authorized Signatory

Encl: 1. Annexure – 1 for list of Manifests

2. Manifests in original (White)



Madhav KRG HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1,
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Phone: +91- 1765-500075 E-mail: info@madhavkrngroup.com



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

111-A, F.F., Sunder Enclave, Desu Majra, SAS Nagar, Kharar, Distt. Mohali (Pb.)

(NABL APPROVED LAB.) ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

+91, 6239447329, 8437473298

Page 1 of 1

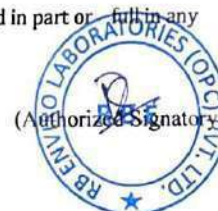
To
M/s MADHAV KRG HRC PVT LTD,
VILLAGE AKALGARH, NEAR TOLL PLAZA, AMLOH
BHADSON ROAD, BHADALTHUHA, PATIALA, PUNJAB-147203

| | | | |
|-------------------------------|-----------------|--------------------|----------------|
| Report No. | RBEL/2411/007E | Report Date | 11.11.2024 |
| Your Ref. No | NIL | Type of sample | Ambient Noise |
| Sample Code Given by Customer | NIL | Date of Monitoring | 05.11.2024 |
| Sampling Location | Within Premises | | |
| Sample Monitored By | Lab Person | Sample I.D. | RBEL/2411/007E |
| Sampling procedure | As per SOP | | |

| Sr. No. | Location | Results Db(A)Leq | Standards Db(A)Leq | Test Method |
|---------|--------------------|---------------------|--------------------------|----------------|
| 1 | Near Main Gate | 62.6 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 2 | Near Gate F.G Gate | 61.4 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 3 | Near Security Post | 63.5 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
| 4 | Near Shed No-6 | 65.1 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |

Note:

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



End of Report



RB ENVIRO LABORATORIES (OPC) PRIVATE LIMITED

111-A, F.F., Sunder Enclave, Desu Majra, SAS Nagar, Kharar, Distt. Mohali (Pb.)

(NABL APPROVED LAB.) ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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

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Page 1 of 1

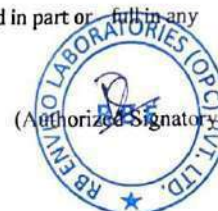
To
M/s MADHAV KRG HRC PVT LTD,
VILLAGE AKALGARH, NEAR TOLL PLAZA, AMLOH
BHADSON ROAD, BHADALTHUHA, PATIALA, PUNJAB-147203

| | | | |
|-------------------------------|-----------------|--------------------|----------------|
| Report No. | RBEL/2411/007E | Report Date | 11.11.2024 |
| Your Ref. No | NIL | Type of sample | Ambient Noise |
| Sample Code Given by Customer | NIL | Date of Monitoring | 05.11.2024 |
| Sampling Location | Within Premises | | |
| Sample Monitored By | Lab Person | Sample I.D. | RBEL/2411/007E |
| Sampling procedure | As per SOP | | |

| Sr. No. | Location | Results Db(A)Leq | Standards Db(A)Leq | Test Method |
|---------|--------------------|---------------------|--------------------------|----------------|
| 1 | Near Main Gate | 62.6 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |
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| 4 | Near Shed No-6 | 65.1 | 75(DAY) As per Rule 2010 | IS 9989 : 2008 |

Note:

1. The test report refers only to tested sample and applicable parameters.
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End of Report



















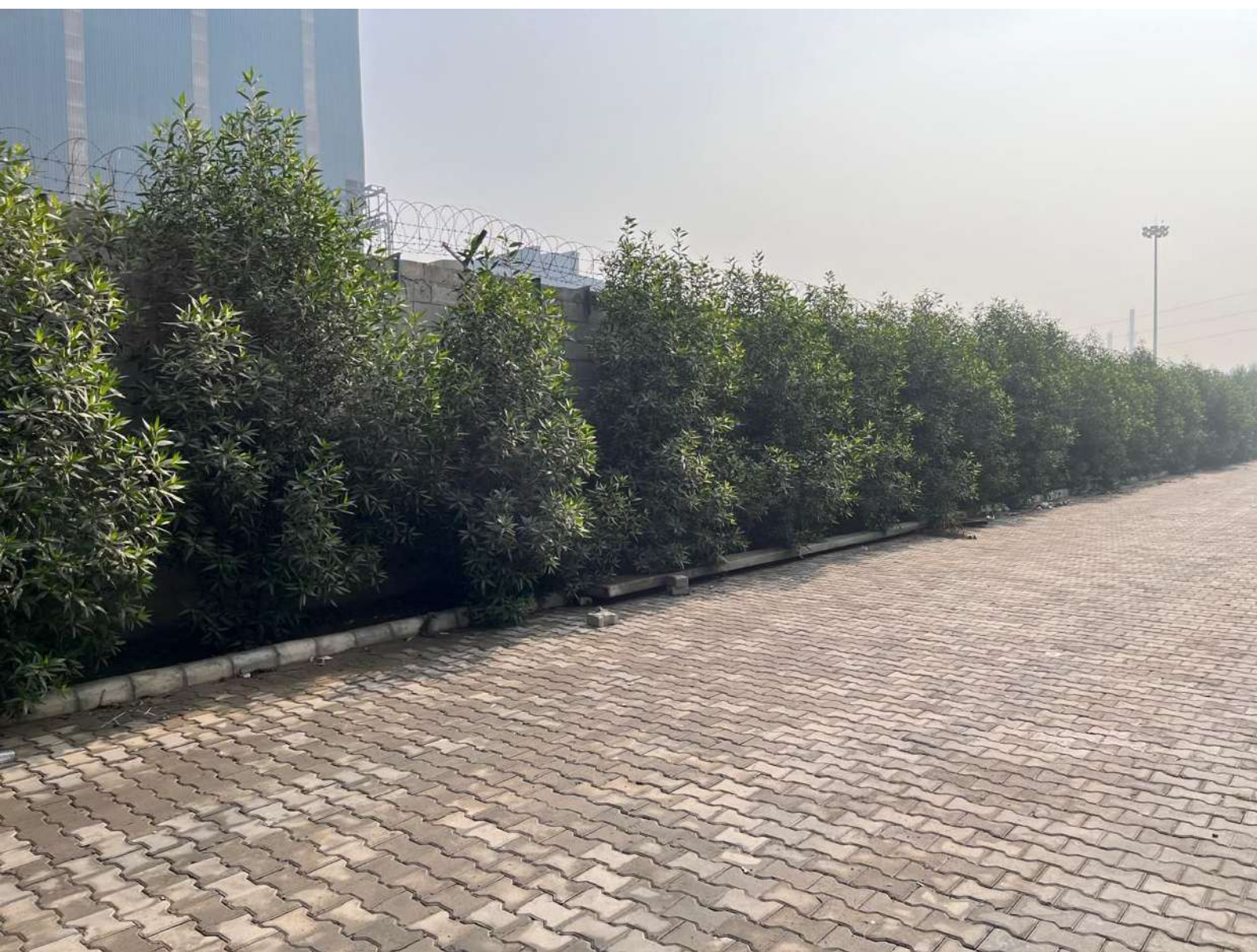


















Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

Page No.

| | | |
|-------------|----------|-----------------------|
| Control No. | Rev. No. | Date of Last Revision |
| 001 | 0 | 15-09-2023 |

Control No. 001

| Sr. NO. | Activity | EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | Is EHS Risk Level acceptable (Yes / No) | EHS Risk control additional measures required |
|------------------------------------|---------------------------|---|-------------|---|-----------------|--------------|-------------|--------------------|---------------------------------------|--|-----------------|---------------------|-------------|-------------------------|---------------|---------------------------------|---|---|
| | | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total P x S | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total P x S | Residual EHS Risk Level | | | | |
| | | | Consequence | N / AN / E | Probability (P) | Severity (S) | | | Existing | Gap #, If any | Probability (P) | Severity (S) | | | | | | |
| 1 | Crane Operation | External Shock | S | Burn injury or cardiac arrest, unconsciousness | AN | 2 | 5 | 10 | Moderate | *Skilled workers *Rubber mats are provided *Use of PPE's ensured *Current control to be checked regularly | | 1 | 3 | 3 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | Fall from height | S | Severe injury or fatality | AN | 2 | 5 | 10 | Moderate | *Proper staircase and hand railing provided *Toe guard on the walkway provided *Ensure height pass *Use of safety Harness ensured | | 1 | 4 | 4 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | Excessive weight | S | Wire will break | N | 3 | 4 | 12 | Moderate | *Crane weight scales are provided *Regular checking of Wire rope | | 1 | 4 | 4 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | Wire Break | S | Equipment & Material will fall on ground/Major Injury to person | AN | 3 | 5 | 15 | Significant | Regular inspection & Maintenance / Equipment life Monitoring | | 1 | 4 | 4 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | Hook Break | S | Material will fall on ground/Major Injury to person | AN | 2 | 5 | 10 | Moderate | *Regular inspection | | 1 | 4 | 4 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | Lubrication Oil leakage | E/S | Floor Slipping & Spillage of oil | N | 2 | 3 | 6 | Tolerable | *Regular Maintenance & Inspection | | 1 | 3 | 3 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | Emergency Switch Malfunctioning | S | Major loss to the equipments and person | AN | 2 | 5 | 10 | Moderate | *SOP on operator cabin *Operator Checklist for all Crane Controls | | 1 | 4 | 4 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | Gear Box Air Breather Clog | E | Oil temp rise or leakage, Spillage at platform | N | 3 | 3 | 9 | Moderate | *Regular Maintenance & Inspection | | 1 | 3 | 3 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | CT Rail line stopper Broken | S | Loaded Material Uncontrolled or may hit person | AN | 1 | 3 | 3 | Insignificant | *Regular Maintenance & Inspection | | 1 | 2 | 2 | Insignificant | Supervisor r/Shift-in-Charge | Yes | |
| | | | | | | | | | | | | | | | | | | |
| Revision History | | | | | | | | | | | | | | | | | | |
| Rev. no | Detail | | | | | | | | | | Inchange | | Approved by | | | | | |
| 2 | Addition of right concern | | | | | | | | | | | | | | | | | |
| 3 | Review | | | | | | | | | | | | | | | | | |
| For Madhav KRG HRC Private Limited | | | | | | | | | | | | | | | | | | |
| AI | | | | | | | | | | | | | | | | | | |
| Prepared by | | | | | | | | | | | Valid till | | Approved by | | | | | |

Signature Signatory

Amendable - 7

41

Hazard Identification and Risk Assessment (HIRA)

| EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | EHS Risk Control Measures | | |
|---------------------------|------------------------------|---|---|-----------|----------|-------------|--------------|-------------|--|---------------------------------------|--------------|---------------|---------------|-------------------------------|---------------------------|-----------|--|
| Sl. No. | Activity | EHS Hazard | Consequence (Injury, Health and Safety) | Condition | | | Pre-EHS Risk | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | | Residual EHS Risk Level | Action By | Is EHS Risk Being controlled by additional measures required |
| | | | | Frequency | Severity | Probability | | | | Existing | Gap & If any | Probability | Severity | P x S | | | |
| 1 | | Hydraulic oil leakage | Slipping & Spilling of oil | N | 2 | 4 | 8 | Tolerable | *Regular Maintenance & Inspection | 1 | 3 | 3 | Insignificant | Supervisory r/Shift-in-Charge | YES | | |
| 2 | | Emergency Switch Malfunctioning | Material will fall on Person | AN | 3 | 5 | 15 | Significant | *SGP on operator *Operator Control *Use of PPE's | 1 | 5 | 5 | Tolerable | Supervisory r/Shift-in-Charge | YES | | |
| 3 | | Excessive noise from pump | Chronic deafness | AN | 3 | 2 | 6 | Tolerable | *Hearing aid to be cleaned regularly *Use of PPE's | 1 | 1 | 1 | Insignificant | Supervisory r/Shift-in-Charge | YES | | |
| 4 | | Rating damaged on Box-Shear | Person Will Fall on floor | N | 3 | 4 | 12 | Moderate | *Regular Maintenance & Inspection | 1 | 4 | 4 | Insignificant | Supervisory r/Shift-in-Charge | YES | | |
| 5 | | Hydraulic pressurized oil may Cause Severe Injuries & Damage to environment | | AN | 3 | 5 | 15 | Significant | *Regular Maintenance & Inspection of hoses/monitors | 1 | 5 | 5 | Tolerable | Supervisory r/Shift-in-Charge | YES | | |
| 6 | Scrap Processing in machines | Earthing of Equipments improper | Electric Shock | N | 3 | 4 | 12 | Moderate | *Regular checking of Earthing values *Use of PPE's | 1 | 3 | 3 | Insignificant | Supervisory r/Shift-in-Charge | YES | | |
| 7 | | Unwanted material comes in Scrap | Explosive material may Burst or Fire Hazard | N | 3 | 5 | 15 | Significant | *Proper Segregation of Scrap | 1 | 3 | 3 | Insignificant | Supervisory r/Shift-in-Charge | YES | | |
| 8 | | Scrap stuck in machine (Removal with Gas cutter) | Chances of Injury | N | 3 | 3 | 9 | Moderate | *Necessary P.P.E kit to be provided *Thickness gauges to be installed in Gas cutters *Use of PPE's | 1 | 2 | 2 | Insignificant | Supervisory r/Shift-in-Charge | YES | | |
| 9 | | Toxic Gas | Health Hazard | N | 2 | 4 | 8 | Tolerable | *Proper Segregation of Scrap & Training to team regarding processing closed Cylinders *Use of PPE's | 1 | 3 | 3 | Insignificant | Supervisory r/Shift-in-Charge | YES | | |
| 10 | | Locked Vessel or Cylinder cover in Machine | Explosion | N | 3 | 5 | 15 | Significant | *Proper Segregation and Checking of Scrap to be processed in Machine *Proper Curing of material of oil *Assess strength of such cylinder in super vision | 1 | 3 | 3 | Insignificant | Supervisory r/Shift-in-Charge | YES | | |
| Revision History | | | | | | | | | | | | | | | | | |
| Rev. no. | Detail | | | | | | Inchange | | | | | | Approved by | | | | |
| 2 | Addition of legal concern | | | | | | | | | | | | | | | | |
| 3 | Revise | | | | | | | | | | | | | | | | |
| Prepared by: _____ | | | | | | | | | | | | | | | | | |
| Verified by: _____ | | | | | | | | | | | | | | | | | |
| Approved by: _____ | | | | | | | | | | | | | | | | | |

Hazard Identification and Risk Assessment (HIRA)

Page No.

| | |
|---------------------|------------|
| CONTROL NO. | 101 |
| REV. NO. | 0 |
| DATE OF LAST REVIEW | 06-08-2024 |
| OWNER DEPT. | Meat |

| EHS Hazard Identification | | | | | | | | | | | | | EHS Risk Assessment | | | | | |
|---------------------------|--|--|---|--|--------------|--------------------|-----------------|----------------|-----------------------|---|----------------------|--------------------|---------------------|----------------|-------------------------------|------------------------------------|--|---|
| Sr. NO. | Activity | EHS Hazard | Category (Environment ml, Health and Safety) | Condition | | Pre-EHS Risk | | Total P x S | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total P x S | Residual EHS Risk Level | Action By | Is EHS Risk level acceptable (Yes / No) | EHS Risk control additional measures required |
| | | | | Consequence | N /AN / E | Probability (P) | Severity (S) | | | Existing | Gaps #, if any | Probability (P) | Severity (S) | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 4 | Scrap Handling in induction furnace | Splashing of Liquid Metal During Transfer of Ladle | S | Serious Injury and Fatality | AN | 3 | 5 | 15 | Significant | *Proper Liquid level in ladle *On time equipment testing *Visual Caution in transfer areas. Restricted area for workers under ladle movement area. | | 1 | 4 | 4 | Tolerable | Supervisor /Shift-in- Charge | Yes | |
| | | Boiling Out | S | Liquid Metal Splash on Person | AN | 3 | 4 | 12 | Moderate | *Temp & Chemistry should be as per S.O.P. *Use of PPE's | | 1 | 3 | 3 | Insignificant | Supervisor /Shift-in- Charge | Yes | |
| | | Unwanted material | S/E | Explosion in Furnace & Metal Splashing | N | 2 | 5 | 10 | Tolerable | *Proper Segregation of material and feeding to furnace *Use of PPE's | | 1 | 4 | 4 | Insignificant | Supervisor /Shift-in- Charge | Yes | |
| | | Fumes of Molten metal | E/S | Breathing Problem / Chronic disease | N | 5 | 3 | 15 | Significant | *Use of Fume Extraction system *Use of PPE's | | 1 | 3 | 3 | Insignificant | Supervisor /Shift-in- Charge | Yes | |
| | | Noise | E/H | Person may feel Discomfort & Chronic Disease | N | 3 | 1 | 3 | Insignificant | Use of ear plugs | | 1 | 1 | 1 | Insignificant | Supervisor /Shift-in- Charge | Yes | |
| | | Contact with Capacitor Rack & DC Choke | S | Electric Shock | AN | 3 | 5 | 15 | Significant | *Safety guards/ Railings /insulation Mats etc. *Use of PPE's | | 1 | 4 | 4 | Insignificant | Supervisor /Shift-in- Charge | Yes | |
| | Ladle Cleaning | Ladle Deslagging | S | Liquid metal Splashing/ Heat Stroke | N | 3 | 4 | 12 | Moderate | *Safety Guards or walls as a barrier on deslagging area *No Personnel movement *slag will be poured in Slag pots. | | 1 | 3 | 3 | Insignificant | Supervisor /Shift-in- Charge | Yes | |
| Revision History | | | | | | | | | | | | | | | | | | |
| Detail | | | | | | | | | | | | | | | | | | |
| Rev. no. | Addition of legal concern | | | | | | | | | | | | | | | | | |
| 2 | Review | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| | Inchange | | | | | | | | | | | | | | | | | |
| | Approved by | | | | | | | | | | | | | | | | | |
| | Prepared by | | | | | | | | | | | | | | | | | |
| | Verified by | | | | | | | | | | | | | | | | | |
| | Approved by | | | | | | | | | | | | | | | | | |

44

Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)



| | | |
|--------------|-----------------------|------|
| CONTROL NO. | DATE OF LAST REVISION | DATE |
| REV. NO. | 06-08-2021 | 0 |
| OWNER DEPTT. | WASH | |

| EHS Hazard Identification | | | | | | | | | | | | | EHS Risk Assessment | | | | | |
|---------------------------|----------|--|---|---|------------|-----------------|--------------|-------|--------------------|---|----------------|-----------------|---------------------|------------------------|-------------------------|---------------------------|---------------------------------------|---|
| S. No. | Activity | EHS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | Action By | Is EHS Risk level acceptable (Yes/No) | EHS Risk control additional measures required |
| | | | | Consequence | N / AN / E | Probability (P) | Severity (S) | | | Existing | Gaps #, if any | Probability (P) | Severity (S) | | | | | |
| 5 | Asbestos | Ladle Slide Gate Operation failure | S | Liquid metal will fall on Person | E | 2 | 5 | 10 | Moderate | *Regular Maintenance & Inspection of slide gate *Emergency ladle for overflowing | | 1 | 4 | 4 | Insignificant | Supervisor Shit-in-Charge | Yes | |
| | | Radioactive Metal field Contact | S/E | Skin burns and acute radiation syndrome | N | 3 | 4 | 12 | Moderate | *HazMat suit For operator *Training to employees | | 1 | 3 | 3 | Insignificant | Supervisor Shit-in-Charge | Yes | |
| | | Slab Puncture | S | Liquid metal Splash Hazard | AN | 3 | 3 | 9 | Moderate | *Protection Shielded on conveyors | | 1 | 3 | 3 | Insignificant | Supervisor Shit-in-Charge | Yes | |
| | | Metal Heat and light impact on mould operators | S | Chronic Disease related to Eyes | N | 4 | 4 | 16 | Significant | *Heat protection suit and black light protection goggles | | 1 | 4 | 4 | Insignificant | Supervisor Shit-in-Charge | Yes | |
| Revision History | | | | | | | | | | | | | | | | | | |
| Rev. no | | Detail | | | | | | | | | | Incharge | | Approved by | | | | |
| 2 | | Addition of legal concern | | | | | | | | | | | | | | | | |
| 3 | | Review | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Prepared & Verified By | | | | |
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Hazard Identification and Risk Assessment (HIRA)

[illegible]



Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

Page No.

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| CONTROL NO. | MD/HR/HRPA/ |
| REV NO. | 0 |
| DATE OF LAST REVISION | 05-08-2021 |
| OWNER DEPTT. | MDH |

| Sr. NO. | Activity | EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | Is EHS Risk level acceptable (Yes / No) | EHS Risk control additional measures required |
|------------------|---------------------------|---|---|--------------------------------|------------|-----------------|--------------|-------------|--------------------|--|----------------|---------------------|--------------|-------------|-------------------------|----------------------------|---|---|
| | | EHS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total P x S | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total P x S | Residual EHS Risk Level | Action By | | |
| | | | | Consequence | N / AN / E | Probability (P) | Severity (S) | | | Existing | Gaps #, if any | Probability (P) | Severity (S) | | | | | |
| 7 | | Hand may stuck between mechanical parts | S | Hand or Fingers broken | N | 1 | 4 | 4 | Insignificant | *Skilled manpower will be deployed *Use of PPEs | | 1 | 3 | 3 | Insignificant | Supervisor Shift-in-Charge | Yes | |
| | Gear Box Maintenance | Tools slippage | S | Tool may hit person body | N | 1 | 3 | 3 | Insignificant | *Regular tool inspection *Use of PPEs | | 1 | 2 | 2 | Insignificant | Supervisor Shift-in-Charge | Yes | |
| | Oil spillage | S | | Slippery Floor person may Fall | N | 1 | 5 | 5 | Tolerable | Regular Maintenance, inspection Etc. *Use of PPEs | | 1 | 4 | 4 | Insignificant | Supervisor Shift-in-Charge | Yes | |
| Revision History | | | | | | | | | | | | | | | | | | |
| Rev. no. | Detail | | | | | | | | | | Incharge | | Approved by | | | | | |
| 2 | Addition of legal concern | | | | | | | | | | | | | | | | | |
| 3 | Review | | | | | | | | | | | | | | | | | |
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Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

Page No.

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| CONTROL NO. | WJ/ASG/HR/2021 |
| REV. NO. | 0 |
| DATE OF LAST REVISION | 06-08-2021 |
| OWNER DEPTT. | Exc. |

| Sr. NO. | Activity | EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | | Owner DEPT. | Etc. |
|------------------|---------------------------|---------------------------------|---|-------------------------------|------------|-----------------|--------------|-------|--------------------|---|----------|---------------------|-----------------|-------|-------------------------|-----------------------------|-------|-------------|------|
| | | EHS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | | | | |
| | | | | Consequence | N / AN / E | Probability (P) | Severity (S) | | | P x S | Existing | Gaps #, if any | Probability (P) | | | Severity (S) | P x S | | |
| | | Tools slippage | S | Tool may hit person body | N | 1 | 3 | 3 | Insignificant | *Regular inspection Tool life. *Use of PPEs | | 1 | 2 | 2 | Insignificant | Supervisor /Shift-in-Charge | Yes | | |
| | VCB Maintenance | Sound Trench cover | S | Person may fall on the Trench | N | 1 | 3 | 3 | Insignificant | Regular inspection | | 1 | 2 | 2 | Insignificant | Supervisor /Shift-in-Charge | Yes | | |
| | | Current leakage in trench cover | S | Electric Shock to person | N | 1 | 4 | 4 | Insignificant | Proper earthing of trench cover *Proper setting of Earth | | 1 | 3 | 3 | Insignificant | Supervisor /Shift-in-Charge | Yes | | |
| Revision History | | | | | | | | | | | | | | | | | | | |
| Rev. no. | Detail | | | | | | | | | | Incharge | | Approved by | | | | | | |
| 2 | Addition of legal concern | | | | | | | | | | | | | | | | | | |
| 3 | Review | | | | | | | | | | | | | | | | | | |
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Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

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| Page No. | | | | | | | | | | | | | | CONTROL NO. | |
| REV. NO. | | | | | | | | | | | | | | UNLHP/CH/BA | |
| DATE OF LAST REVISION | | | | | | | | | | | | | | 0 | |
| OWNER DEPT. | | | | | | | | | | | | | | 06-08-2021 | |
| EHS | | | | | | | | | | | | | | EHS | |

| Sr. NO. | Activity | EHS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | Action By | Is EHS Risk level acceptable (Yes/No) | EHS Risk control additional measures required |
|---------|---------------------------------|---------------------------------|---|-------------------------------|---------|-----------------|--------------|-------|--------------------|---------------------------------------|-----------------|-----------------|--------------|-------|-------------------------|-----------------------------|---------------------------------------|---|
| | | | | Consequence | N/A/N/E | Probability (P) | Severity (S) | | | Existing | Capex #, if any | Probability (P) | Severity (S) | | | | | |
| 1 | Air Circuit Breaker Maintenance | Sound Trench cover | S | Person may fall on the Trench | N | 1 | 3 | 3 | Insignificant | Regular inspection | | 1 | 2 | 2 | Insignificant | Supervisor /Shift-in-Charge | Yes | |
| 2 | | Current leakage in trench cover | S | Electric Shock to person | N | 1 | 4 | 4 | Insignificant | Proper sealing of trench cover | | 1 | 3 | 3 | Insignificant | Supervisor /Shift-in-Charge | Yes | |
| 3 | | | | | | | | | | | | | | | | | | |

| Rev. no. | Detail | Inchange | Approved by |
|----------|---------------------------|----------|-------------|
| 2 | Addition of legal concern | | |
| 3 | Review | | |

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|-------------|-------------|-------------|
| Prepared by | Verified by | Approved by |
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Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

Page No.

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| Control No. | 0 |
| REV. NO. | 0 |
| DATE OF LAST REVISION | 06-09-2021 |
| OWNER DEPT. | Eng. |

| S. NO. | EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | | Owner DEPT. | EHS | | |
|--------|---|---|---|--|------------|--------------|----------|-------|--------------------|---|---------------------|---------------|-------------|-------|-------------------------|----------------------------|-------------|-----|---------------------------------------|---|
| | Activity | EHS Hazard (Environment, Health and Safety) | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | Action By | | | Is EHS Risk level acceptable (Yes/No) | EHS Risk control additional measures required |
| | | | | Consequence | N / AN / E | Probability | Severity | | | P x S | Existing | Gaps if any | Probability | | | | | | | |
| 11 | Cleaning and Tightening of bolts of battery Terminals | Short Circuit of Battery | S | Eyes and Skin Burn and Loss of Vision | AN | 3 | 3 | 9 | Moderate | *Proper Isolation and proper tagging *Awareness, Improving Technical Skill and proper use of PPE's | | 1 | 2 | 2 | Insignificant | Supervisor/Shift-in-Charge | Yes | | | |
| | Replacement of battery | Mis handling of Battery | E/H | Eyes and Skin Burn and Loss of Vision | AN | 1 | 3 | 3 | Insignificant | *Proper Isolation *Awareness, Improving Technical Skill | | 1 | 2 | 2 | Insignificant | Supervisor/Shift-in-Charge | Yes | | | |
| | Filtration of Transformer Oil | Leakage in pipe | E | Oil Spillage | N | 1 | 4 | 4 | Insignificant | *Skilled Labour *Awareness, Improving Technical Skill | | 1 | 2 | 2 | Insignificant | Supervisor/Shift-in-Charge | Yes | | | |
| | Maintenance of Transformer | Getting Electrocut ed | S | Skin and Whole Body burns and Death | AN | 1 | 5 | 5 | Tolerable | *Proper Isolation *Following of SOP, Awareness, Improving Technical Skill | | 1 | 3 | 3 | Insignificant | Supervisor/Shift-in-Charge | Yes | | | |
| | LT Motor Tightness of Connections | Getting Electrocut ed | S | Skin and Whole Body burns and Death | AN | 1 | 5 | 5 | Tolerable | *Proper Isolation *Awareness, Improving Technical Skill | | 1 | 3 | 3 | Insignificant | Supervisor/Shift-in-Charge | Yes | | | |
| | LT Panels Tightness of connections | Getting Electrocut ed | S | Skin and Whole Body burns and Death | N | 3 | 5 | 15 | Significant | *Proper Isolation *Awareness, Improving Technical Skill | | 1 | 4 | 4 | Insignificant | Supervisor/Shift-in-Charge | Yes | | | |
| | LT Panels Cleaning of Panels | Getting Electrocut ed, Dust inhalation | S/H | Skin, Lungs, Throatland , Whole body burns and Death | N | 5 | 5 | 25 | Intolerable | *Proper Isolation *Awareness, Improving Technical Skill | | 1 | 4 | 4 | Insignificant | Supervisor/Shift-in-Charge | Yes | | | |



Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

Page No.

CONTROL NO. 001
REV. NO. 0
DATE OF LAST REVISION 05-06-2021
OWNER DEPTT. EHS

| S. No. | Activity | EHS Hazard Identification | | | | | | | EHS Risk Assessment | | | | | | | Is EHS Risk level acceptable (Yes/ No) | EHS Risk level additional measures required | |
|-------------|---|---------------------------|---|---|--------------|--------------|-------------|-------------|---------------------|--|--------------|---------------|---|-------------|-------------------------|--|---|-----------|
| | | EHS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total P x S | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total P x S | Residual EHS Risk Level | | | Action By |
| Consequence | N /AN / E | | | Probability (P) | Severity (S) | Existing | Gaps if any | | | Probability (P) | Severity (S) | | | | | | | |
| 22 | Replacement of Equipments like Lightning arrester, CT Insulators etc. | Getting Electrocutted | S | Skin and Whole Body burns and Death | AN | 1 | 5 | 5 | Tolerable | *Proper Isolation *Awareness, Improving Technical Skill, Through Training | | 1 | 4 | 4 | Insufficient | Supervisor / Shift-in-Charge | Yes | |
| | Tightness of Connections | Getting Electrocutted | S | Skin and Whole Body burns and Death | AN | 1 | 5 | 5 | Tolerable | *Proper Isolation *Awareness, Improving Technical Skill, Through Training | | 1 | 4 | 4 | Insufficient | Supervisor / Shift-in-Charge | Yes | |
| | 220 KV Rack in / Rack out Switch breaker | Blast of Breaker | S | Skin and Whole Body burns and Death | AN | 1 | 5 | 5 | Tolerable | *Interlocks given, Pressure switch low provided to monitor gas *SKILLED LABOUR *Awareness, Improving Technical Skill, Through Training | | 1 | 4 | 4 | Insufficient | Supervisor / Shift-in-Charge | Yes | |
| | Maintenance of SF6 circuit Breaker | Injury to Fingers | S | Hands and Fingers Burns or Broken Fingers | AN | 1 | 5 | 5 | Tolerable | *Skilled Labour *Awareness, Improving Technical Skill, Through Training | | 1 | 4 | 4 | Insufficient | Supervisor / Shift-in-Charge | Yes | |
| | Checking of breaker SF6 Gas leak and gas filling | Asphyxiation | S | Skin, Lungs and Whole Body | AN | 1 | 5 | 5 | Tolerable | *Proper Isolation *Awareness, Improving Technical Skill, Through Training | | 1 | 4 | 4 | Insufficient | Supervisor / Shift-in-Charge | Yes | |
| | Replacement of Equipments like Lightning arrester, CT Insulators etc. | Getting Electrocutted | S | Skin and Whole Body burns and Death | AN | 1 | 5 | 5 | Tolerable | *Proper Isolation *Awareness, Improving Technical Skill, Through Training | | 1 | 4 | 4 | Insufficient | Supervisor / Shift-in-Charge | Yes | |



Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

Page No.

CONTROL NO. 001
REV. NO. 0
DATE OF LAST REVISION 06-09-2021
OWNER DEPT. ERM

| Sr. NO. | Activity | EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | | Is EHS Risk level acceptable (Yes / No) | EHS Risk control additional measures required |
|-------------|----------------------|---|---|--|--------------|--------------|-----------------|-------|--------------------|--|--------------|---------------------|---|-------|-------------------------|----------------------------|-----|---|---|
| | | EHS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | Action By | | | |
| Consequence | N / AN / E | | | Probability (P) | Severity (S) | Existing | Capex M, if any | | | Probability (P) | Severity (S) | P x S | | | | | | | |
| 12 | Electric Arc Welding | Electric Shock | S | Fatality or muscle spasms or cardiac arrest or unconsciousness or severe burn injury | E | 1 | 5 | 5 | Tolerable | *Ensure the proper earthing of welding equipments *Skilled Workers *Use of PPE's ensured | | 1 | 4 | 4 | Insignificant | Supervisor/Shift-in-Charge | Yes | | |
| | | Contact with holder/job in hot condition /welding | S | Burn Injury | AN | 1 | 4 | 4 | Insignificant | *Use of PPE's ensured *Safe clothing ensured *Current control to be checked regularly. | | 1 | 3 | 3 | Insignificant | Supervisor/Shift-in-Charge | Yes | | |
| | | Exposure to welding arc | S | arc eye or Cataract | AN | 2 | 4 | 8 | Tolerable | *Use of face shield with appropriate shade is ensured *Current control to be checked regularly. | | 1 | 3 | 3 | Insignificant | Supervisor/Shift-in-Charge | Yes | | |
| | | Contact with flying sparks | S | Burn Injury | AN | 3 | 3 | 9 | Moderate | *USE OF FACE SHIELD is ensured. *Current control to be checked regularly. * Safe clothing ensured. | | 1 | 2 | 2 | Insignificant | Supervisor/Shift-in-Charge | Yes | | |



Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

CONTROL NO. 001
REV. NO. 0
DATE OF LAST REVISION 09-08-2021
OWNER DEPTT. EHS

| Sr. NO. | Activity | EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | | In EHS Risk level acceptable (Yes / No) | EHS Risk control additional measures required |
|------------------|---------------------------|----------------------------|---|--------------------------|------------|--------------|----------|-------|--------------------|--|----------|---------------------|-------------|---------------|-----------------------------|----------|-------|---|---|
| | | EHS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | | | | |
| | | | | Consequence or | N / AN / E | Probability | Severity | | | P x S | Existing | Gap, if any | Probability | | | Severity | P x S | | |
| 12 | Grinding | Current leakage | S | Electrocution/Fatality | AN | 1 | 5 | 5 | Tolerable | *Use of hand gloves ensured (Leather or rubber) *Only experienced persons are allowed to perform grinding jobs. *Safe working practices ensured. *Use of PPEs. *Current control to be checked regularly | 1 | 4 | 4 | Insignificant | Supervisor /Shift-in-Charge | Yes | | | |
| | | Contact with flying sparks | S | Burn Injury | AN | 3 | 4 | 12 | Moderate | *Use of face shield or safety goggles is ensured. *Safety guards ensured. *Use of PPE ensured *Current control to be checked regularly. | 1 | 3 | 3 | Insignificant | Supervisor /Shift-in-Charge | Yes | | | |
| | | Wheel breakage | S | Deep cut or major injury | AN | 2 | 4 | 8 | Tolerable | *Only experienced workers are engaged in grinding operation *Ensure that the expired wheels are not used *Safety guards ensured *Wheels crossed the expiry date should be disposed off immediately | 1 | 3 | 3 | Insignificant | Supervisor /Shift-in-Charge | Yes | | | |
| | | High Noise | E | Hearing loss | AN | 2 | 1 | 2 | Insignificant | *Use of ear plug is ensured *Skilled person are engaged in work and aware of safety precaution. | 1 | 1 | 1 | Insignificant | Supervisor /Shift-in-Charge | Yes | | | |
| Revision History | | | | | | | | | | | | | | | | | | | |
| Rev. no. | Detail | | | | | | | | | | Inchange | | Approved by | | | | | | |
| 2 | Addition of legal concern | | | | | | | | | | | | | | | | | | |
| 3 | Review | | | | | | | | | | | | | | | | | | |
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Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

Page No.

CONTROL NO. 001
REV NO. 0
DATE OF LAST REVIEW 05-08-2021
OWNER DEPTT. Eng.

| Sr. NO. | Activity | EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | | Is EHS Risk level acceptable (Yes / No) | EHS Risk control additional measures required |
|------------------|---|---|---------------------------------|------------|-----------------|--------------|-------|--------------------|--|----------|---------------|---------------------|--------------|----------------------------|-----------|--|--------------|---|---|
| 13 | ERS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | Action By | | | | |
| | | | Consequence | N / AN / E | Probability (P) | Severity (S) | | | P x S | Existing | Gaps if any | Probability (P) | | | | | Severity (S) | P x S | |
| | Contact with hydraulic oil under pressure | S | Amputation of limbs or fatality | E | 1 | 5 | 5 | Tolerable | *Only skilled worker are engaged *Conduction of training about safe work *Use of PPEs | 1 | 4 | 4 | Insufficient | Supervisor Shift-in-Charge | Yes | | | | |
| | Fire in Hydraulic oil | S/E | Burn Injury | E | 1 | 4 | 4 | Insufficient | *Fire extinguisher provided *NO combustible material is allowed to store near hydraulic system *Skilled manpower *Use of PPEs | 1 | 3 | 3 | Insufficient | Supervisor Shift-in-Charge | Yes | | | | |
| | Oil leakage | S/E | Slip and fall | AN | 3 | 3 | 9 | Moderate | *Oil trays are provided to collect the oil *Proper house keeping is ensured *skilled manpower *Use of PPEs | 1 | 2 | 2 | Insufficient | Supervisor Shift-in-Charge | Yes | | | | |
| | Suddenly hose burst | S/E | Injury | AN | 1 | 3 | 3 | Insufficient | *Proper house keeping is ensured *Skilled manpower *Use of PPEs | 1 | 2 | 2 | Insufficient | Supervisor Shift-in-Charge | Yes | | | | |
| Revision History | | | | | | | | | | | | | | | | | | | |
| Rev. no | Detail | | | | | | | | | | Inchange | | Approved by | | | | | | |
| 2 | Addition of legal concern | | | | | | | | | | | | | | | | | | |
| 3 | Review | | | | | | | | | | | | | | | | | | |
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Hazard Identification and Risk Assessment (HIRA)

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| CONTROL NO. | NON-CLASSIFIED |
| REV NO. | 0 |
| DATE OF LAST REVISION | 06-08-2021 |
| OWNER DEPT. | ENG. |

58

Hazard Identification and Risk Assessment (HIRA)

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| <div><div><div>3</div><div>SAFETY</div><div>MANAGEMENT</div><div>SYSTEM</div></div><div>Madhav KRG HRC Private Limited</div></div> | | | | | | | | | | | | | | | | | Page No. | | | CONTROL NO REV NO DATE OF LAST REVISION OWNER DEPT. | | 100,000,000,000 0 04-08-2021 EHS | |
| Hazard Identification and Risk Assessment (HIRA) | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Hazard Identification | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Risk Assessment | | | | | | | | | | | | | | | | | | | | | | | |
| Action By | | | | | | | | | | | | | | | | | | | | | | | |
| Is EHS Risk level acceptable (Yes/No) | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Risk control additional measures required | | | | | | | | | | | | | | | | | | | | | | | |
| S. NO. | | | | | | | | | | | | | | | | | | | | | | | |
| Activity | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Hazard | | | | | | | | | | | | | | | | | | | | | | | |
| Consequence (Personnel Health and Safety) | | | | | | | | | | | | | | | | | | | | | | | |
| Condition | | | | | | | | | | | | | | | | | | | | | | | |
| Pre-EHS Risk | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | |
| Pre-EHS Risk Level | | | | | | | | | | | | | | | | | | | | | | | |
| Adequacy of EHS Risk Control Measures | | | | | | | | | | | | | | | | | | | | | | | |
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| Is EHS Risk level acceptable (Yes/No) | | | | | | | | | | | | | | | | | | | | | | | |
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| Is EHS Risk level acceptable (Yes/No) | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Risk control additional measures required | | | | | | | | | | | | | | | | | | | | | | | |
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| Consequence (Personnel Health and Safety) | | | | | | | | | | | | | | | | | | | | | | | |
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| Pre-EHS Risk | | | | | | | | | | | | | | | | | | | | | | | |
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| Pre-EHS Risk Level | | | | | | | | | | | | | | | | | | | | | | | |
| Adequacy of EHS Risk Control Measures | | | | | | | | | | | | | | | | | | | | | | | |
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| Pre-EHS Risk Level | | | | | | | | | | | | | | | | | | | | | | | |
| Adequacy of EHS Risk Control Measures | | | | | | | | | | | | | | | | | | | | | | | |
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| Severity | | | | | | | | | | | | | | | | | | | | | | | |
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| Residual EHS Risk Level | | | | | | | | | | | | | | | | | | | | | | | |
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| Is EHS Risk level acceptable (Yes/No) | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Risk control additional measures required | | | | | | | | | | | | | | | | | | | | | | | |
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| Pre-EHS Risk | | | | | | | | | | | | | | | | | | | | | | | |
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| Pre-EHS Risk Level | | | | | | | | | | | | | | | | | | | | | | | |
| Adequacy of EHS Risk Control Measures | | | | | | | | | | | | | | | | | | | | | | | |
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| Residual EHS Risk Level | | | | | | | | | | | | | | | | | | | | | | | |
| Action By | | | | | | | | | | | | | | | | | | | | | | | |
| Is EHS Risk level acceptable (Yes/No) | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Risk control additional measures required | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | |
| Activity | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Hazard | | | | | | | | | | | | | | | | | | | | | | | |
| Consequence (Personnel Health and Safety) | | | | | | | | | | | | | | | | | | | | | | | |
| Condition | | | | | | | | | | | | | | | | | | | | | | | |
| Pre-EHS Risk | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | |
| Pre-EHS Risk Level | | | | | | | | | | | | | | | | | | | | | | | |
| Adequacy of EHS Risk Control Measures | | | | | | | | | | | | | | | | | | | | | | | |
| Existing | | | | | | | | | | | | | | | | | | | | | | | |
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Hazard Identification and Risk Assessment (HIRA)

Page No.

| | |
|-------------|--|
| CONTROL NO. | NO. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 |
| REV. NO. | 0 |

DATE OF LAST SERVICE:

CANNED DRESSING.

Date: _____

One

| Sr. NO. | Activity | EHS Hazard Identification | | | | | | | | | | EHS Risk Assessment | | | | | | In EHS Risk level acceptable (Yes / No) | EHS Risk control additional measures required |
|------------------|-------------|---------------------------|---|---------------------------------|---------------|--------------|----------|-------|--------------------|---|----------|---------------------|-------------|---------------|----------------------------|----------|-------|---|---|
| | | EHS Hazards | Category (Environment, Health and Safety) | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | | | | |
| | | | | Consequence | N / A / N / E | Probability | Severity | | | P x S | Existing | Gaps, if any | Probability | | | Severity | P x S | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| | Gas Cutting | LPG Gas leakage | E/S | Fire resulting into burn injury | AN | 3 | 5 | 15 | Significant | *Prior inspection of gas cutting set by site supervisor. *Quarterly training to be imparted on the "Hazards in the confined space and Safety precautions". *Fire Extinguishers provided in Fire prone areas | 1 | 4 | 4 | Insignificant | Supervisor Shift-in-Charge | Yes | | | |
| | | Gas Cutter Misfunctioning | S/E | Fire Hazard | N | 3 | 4 | 12 | Moderate | *Regular inspection of cutter and Nozzles *Flashback arrestors to be installed in Gas cutters *Use of PPE's *Fire Extinguishers provided in Fire prone areas | 1 | 3 | 3 | Insignificant | Supervisor Shift-in-Charge | YES | | | |
| Revision History | | | | | | | | | | | | | | | | | | | |
| Rev. no | | Detail | | | | | | | | | Inchange | | Approved by | | | | | | |
| 2 | | Addition of legal concern | | | | | | | | | | | | | | | | | |
| 3 | | Review | | | | | | | | | | | | | | | | | |
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Madhav KRG HRC Private Limited

Hazard Identification and Risk Assessment (HIRA)

| Madhav KRG HRC Private Limited | | | | | | | | | | | | | | | | | | Page No. | | CONTROL NO. | | REV NO. | | DATE OF LAST REVISION | | OWNER DEPTT. | | EHS | |
|--|--|----------|---------------------------------|------------|-----------------|--------------|-------|--------------------|--|----------|---------------|-----------------|-------------|-------------------------|-----------|-----|--|---------------------|-------|-------------|--|---------|--|---------------------------------------|--|---|--|-----|--|
| Hazard Identification and Risk Assessment (HIRA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EHS Hazard Identification | | | | | | | | | | | | | | | | | | EHS Risk Assessment | | | | | | Is EHS Risk level acceptable (Yes/No) | | EHS Risk control additional measures required | | | |
| Activity | EHS Hazards (Environment, Health and Safety) | Category | Condition | | Pre-EHS Risk | | Total | Pre-EHS Risk Level | Adequacy of EHS Risk Control Measures | | Post-EHS Risk | | Total | Residual EHS Risk Level | Action By | | | | | | | | | | | | | | |
| | | | Consequence | N / AN / E | Probability (P) | Severity (S) | | | P x S | Existing | Gap If any | Probability (P) | | | | | | Severity (S) | P x S | | | | | | | | | | |
| 12 | Psychosocial Hazards | H | Chronic Disease/ Mental stress | AN | 2 | 2 | 4 | Insignificant | Behavioral Training/ Interaction with employee during meeting / Yoga Classes | | 1 | 1 | 1 | Insignificant | | Yes | | | | | | | | | | | | | |
| | Workload of the worker | H | Chronic Disease/ Mental stress | AN | 2 | 2 | 4 | Insignificant | Interaction with employee during meeting / Yoga Classes | | 1 | 1 | 1 | Insignificant | | Yes | | | | | | | | | | | | | |
| | Working hours of the worker | H | Fatigue/ Mental stress | AN | 2 | 2 | 4 | Insignificant | 6 day 8 hr working / Yoga Classes | | 1 | 1 | 1 | Insignificant | | Yes | | | | | | | | | | | | | |
| | Depression | H | Stress-related health disorders | AN | 1 | 4 | 4 | Insignificant | Behavioral Training/ Interaction with employee during meeting / Yoga Classes | | 1 | 1 | 1 | Insignificant | | Yes | | | | | | | | | | | | | |
| | Sleep disorders and other | H | Stress-related health disorders | AN | 2 | 2 | 4 | Insignificant | Training/ Interaction with employee during meeting / Yoga Classes | | 1 | 1 | 1 | Insignificant | | Yes | | | | | | | | | | | | | |
| Revision History | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rev. no. | Detail | | | | | | | | | | Inchange | | Approved by | | | | | | | | | | | | | | | | |
| 2 | Addition of legal concern | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Review | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prepared by | | | | | | | | | | | | | | | | | | Verified by | | Approved by | | | | | | | | | |

Hazard Identification and Risk Assessment (HIRA)

Page No.

| | |
|-----------------------|------------------|
| Contract No. | 001/2020/0000001 |
| Rev. No. | 0 |
| Date of last revision | 05-09-2021 |
| Contract Dept. | HR |

HIRA Hazard Identification

HIRA Risk Assessment

| S. No. | Activity | HIRA Hazard (Performance and Safety) | HIRA Hazard Identification | | | | | | HIRA Risk Assessment | | | | | | Is HIRA Risk level acceptable (Yes/No) | HIRA Risk control additional measures required | |
|--------|--------------------|---|----------------------------|--|-----------------|--------------|-------------|---------------------|--|---|-----------------|--------------|-------------|--------------------------|--|--|--|
| | | | Condition | | Pre-HIRA Risk | | Total P x S | Pre-HIRA Risk Level | Adequacy of HIRA Risk Control Measures | | Post-HIRA Risk | | Total P x S | Residual HIRA Risk Level | | | |
| | | | Consequence | N/A/N/E | Probability (P) | Severity (S) | | | Failing | Capable, if any | Probability (P) | Severity (S) | | | | | |
| 4 | Acidic | Exposure to Acidic m. Health and Safety) | S | Injury occurred | AN | 2 | 6 | 12 | Moderate | 01. Proper arrangements are provided for unloading of raw material 02. Awareness & training provided on regular basis. | 1 | 4 | 4 | Tolerable | Supervisor's Shift-in-Change | Yes | |
| | | Over Stacking of raw material | S | Chance of Fire | AN | 3 | 4 | 12 | Moderate | Proper arrangements are provided for stacking of raw material. | 1 | 3 | 3 | Insignificant | Supervisor's Shift-in-Change | Yes | |
| | | Unwielded material | S/E | Splashing | N | 2 | 3 | 10 | Tolerable | Proper Segregation of material and feeding to Coal Gasifier Use of PPE's | 1 | 4 | 4 | Insignificant | Supervisor's Shift-in-Change | Yes | |
| | | Fumes of Carbon Monoxide | E/S | Breathing Problem / Chronic disease | N | 4 | 3 | 12 | Moderate | Use of blower system for proper extraction of Fumes Use of PPE's Awareness & Training provided by concerned area in charge. Leakage analyser installed to control fumes. | 1 | 3 | 3 | Insignificant | Supervisor's Shift-in-Change | Yes | |
| | | Noise | E/H | Person may feel Discomfort & Chronic Disease | N | 3 | 1 | 3 | Insignificant | Use of ear plugs | 1 | 1 | 1 | Insignificant | Supervisor's Shift-in-Change | Yes | |
| | LT Panels | Contact with Capacitor Bank & DC Choke | S | Electric Shock | AN | 2 | 6 | 12 | Moderate | Safety guards/ Railings /Insulation Mats etc. Use of PPE's | 1 | 4 | 4 | Insignificant | Supervisor's Shift-in-Change | Yes | |
| | Cleaning of Panels | Getting Electrocutted, Dust Inhalation | S/H | Throatland, Whole body burns and Death | AN | 2 | 6 | 12 | Moderate | Proper Isolation Awareness, Improving Technical Skill | 1 | 4 | 4 | Insignificant | Supervisor's Shift-in-Change | Yes | |
| | Earth pit all Area | Getting Electrocutted, Machine Damage | S/H | Electric Shock | N | 2 | 6 | 12 | Moderate | Proper Isolation Awareness, Improving Technical Skill | 1 | 4 | 4 | Insignificant | Supervisor's Shift-in-Change | Yes | |

Revision History

Rev no

Detail

Incharge

Approved by

2

Revision

3

Mathnav KRG HRC Private Limited

Signature

ENVIRONMENT, HEALTH & SAFETY



INTRODUCTION

The Organization takes all such steps as prescribed by the Regulations made under the employment laws, in order to ensure the health, safety and welfare of all the employees in the employment. We comply with all applicable laws and regulations regarding working conditions, including, without limitation, worker safety, health, sanitation, fire safety, worker protection & electrical, mechanical & structural safety.

OBJECTIVE

The purpose of the policy is to establish general standards for health and safety at work:

- **Promote & maintain** the highest possible degree of mental and social well-being of all employees;
- **Prevent** all downgrading incidents, which could result in personal injuries, fire, property damage and waste, and to create and maintain a safe & healthy working environment for all employees;
- **Promote & Maintain** good working conditions so as to safeguard our employees against injuries and occupational health and safety hazards, and to conduct our operations with due consideration to the protection of the environment;
- **Train Employees** at the workplace so that they are well equipped to participate fully in the identification, reporting and management of unsafe acts and conditions;
- **Strive for** maximum employee participation in creating healthy and safe working environment at all hierarchical levels, through effective communication.

Each employee is expected to obey Health and Safety rules and exercise caution & common sense in all activities.

ORGANIZATIONAL SETUP AND DELEGATION OF AUTHORITY

- Safety related matters would be reviewed with concerned Head of Departments in general meeting chaired by Unit Head.
- Shift operation Engineers will have liberty to stop any operation considered unsafe. In case of doubt immediate consultations would be carried out with superiors. In case consultation cannot be done due to non-availability the discretion would be used on conservative side.
- Accidents, Incidents and near misses would be communicated to Safety Department along with concerned department will investigate the cause of accidents and suggest remedial measures to prevent its recurrence.

PARTICIPATION OF EMPLOYEES IN SAFETY

EHS Committee is being constituted for the division by the Management to consider and redress complaints of Environment, Health and Safety.

- All Employees will have right to give information on Health and Safety aspects of the process/product in operation. It would be the responsibility of concerned Head of Department to provide such information.
- The company would always look for suggestions in respect of Environment, Health and Safety from any person associated with us.

EVALUATION OF HEALTH AND SAFETY PERFORMANCE

- Health and Safety performance of each employee would be evaluated in annual appraisals for considering their career advancement/placement

ASSESSMENT OF STATUS OF HEALTH AND SAFETY OF EMPLOYEES

As per law, we shall get medical checkup of employees from time to time.

ENVIRONMENT PROTECTION POLICY

Madhav KRG HRC Private Limited is committed to the cause of conservation of the environment and has made environmental protection a priority through by:

- Strictly complying with the applicable environmental legislations and standards.
- Ensuring effective use of resources in the areas of energy, fuels, oils, chemicals, water, etc.
- Encouraging the usage of environment-friendly technologies to aid elimination of hazardous materials.
- Promoting the cause of environmental preservation amongst employees by inculcating sensitivity to the environmental concerns.

Fire Control

The Organization ensures that the staff receives adequate fire training:

- Report and advice on the standard of fire safety in the organization's premises and the standard of fire training of its staff.
- Assist in the investigation of all fires in the organization's premises and to submit reports of such incidents.

Weather related and Emergency Closings

At times, emergencies such as severe weather or power failures can disrupt organization operations. In such instances, Management will decide on the closure and HCD will provide the official notification to the employees.

HEALTH AND SAFETY POLICY

The Organization expects all employees to abide with the following health & safety rules:

- Organization believes in creating a drug/ alcohol free work place and does not permit consumption of alcohol or un-prescribed drugs within the premises.
- A fully equipped FIRST AID BOX is available within the organization premises. It contains medicines and other consumables for attending to any minor injury, cuts and bruises occurring to the employees at the workplace. Employees diagnosed with contagious disease should not report to duty till fully recovered.
- Employees should report all work-related injuries and accidents/incidents immediately to their supervisor. The concern supervisor should report immediate to HCD, so that proper action should be taken to save the life and organization's property.

RESPONSIBILITY OF CONTRACTORS, TRANSPORTERS AND VISITORS

- All contractors deploying their workforce for various norms and will ensure safe execution of jobs by their workforce.
- Every employee of the unit, contractor and their workers, Apprentices, transport workers and suppliers observe all safety related guidelines.

SAFETY RULES (Equipment, Chemicals & General)

The staff can help avoid serious accidents and/ or injury to self and others by following certain general safety rules. Violation of the safety regulations of the organization may subject to disciplinary action, up to and including termination of employment.

- Emergency exits shall be kept free of debris at all times.
- Fire extinguishers shall not be blocked or obstructed at any time.
- Safety devices and guards shall not be removed, before operating any machine.
- All unsafe work conditions shall be reported to a supervisor or the safety coordinator.
- Proper hygiene shall be used when leaving or returning to work areas for break and meal periods (i.e. washing hands).

- Head Protection: Employees exposed to flying/ heavy/ falling objects and/or electrical shock and burns shall be safeguarded by means of approved head protection (safety helmets). Where there is risk of hair entanglements in moving parts of machinery, combustibles or toxic contaminants, employees shall confine their hair.

DISPLAY AND CIRCULATION OF POLICY

Health and safety policy in Hindi, English & Punjabi shall be distributed widely so as to reach each Employee, Contractor, Apprentice, Transporter and suppliers. Copy of policy shall be displayed at conspicuous places.

REVIEW OF POLICY

Health and safety policy shall be revised and updated whenever need arises due to any process expansion or modification of plant.



Madhav KRG HRC Private Limited,

Vill- Akalgarh, Amloh Bhadson Road,

District – Patiala.



PUNJAB WATER REGULATION AND DEVELOPMENT AUTHORITY
SCO 149-152, SECTOR 17, CHANDIGARH – 160017

PERMISSION FOR EXTRACTION OF GROUNDWATER

(Under The Punjab Groundwater Extraction And Conservation Directions, 2023)

| Unit ID | Permission Number | Date of Grant of Permission | Valid up to |
|-------------|------------------------|-----------------------------|-------------|
| 20230100382 | GW/PWRDA/01/2024/L3/20 | 31-Jan-2024 | 30-Jan-2027 |

| | | | |
|---|---|--|--------------------------------------|
| 1 | Name of Unit | Madhav KRG HRC Pvt Ltd | |
| 2 | Activity of Unit | Industrial | |
| 3 | Address/Location of Unit | Village Akalgarh, Tehsil Nabha, Amloh Bhadson Road, District Patiala, Toll Plaza | |
| | | Akalgarh (125) | PIN: 147203 |
| 4 | Assessment Area(Block) | NABHA | Status: ORANGE |
| 5 | District | PATIALA | |
| 6 | Head Office Address | 1002, 10TH FLOOR, AGGARWL MILLENIUM, TOWER-1, NETAJI SUBHASH PLACE, PRITAMPURA, NORTH WEST DELHI | |
| | | NORTH EAST, DELHI | PIN: 110034 |
| | Email | regulatory@madhavkrggroup.com | |
| | Phone/Mobile No. | 9115101607 | |
| 7 | Project Status | New : 01-11-2023 | |
| 8 | No. of Existing Tube-Wells | No. of Proposed Tube-Wells | Total Number of Tube-Wells Permitted |
| | 0 | 4 | 4 |
| 9 | Volume of Ground Water Permitted to be Extracted (m3/month) | Fresh | Brackish/Saline |
| | | 29400 | 0 |

Note: This permission is granted in terms of the Punjab Groundwater Extraction and Conservation Directions, 2023 notified on 27th January, 2023 under section 15 of the Punjab Water Resources (Management and Regulation) Act, 2020 and is subject to the conditions given overleaf.

Digitally signed by JIWAN KUMAR JAIN
Reason: Approval
Location: Chandigarh
Date: 31-01-2024 10:30:09 AM

Designation : A.O.L-3

Terms and Conditions

1. User shall comply with the provisions of the Punjab Water Resources (Management and Regulation) Act, 2020, The Punjab Groundwater Extraction and Conservation Directions, 2023 and other Regulations, Directions and instructions issued by the Authority from time to time.
 2. The User shall install a water meter of required Specifications at each extraction structure and inform PWRDA along with a Calibration Certificate within three months of issue of this Permission. The water meter shall conform to the technical specifications, performance parameters and connectivity standards, etc. as required by the Authority.
 3. The User (if required to install piezometer as per Directions) shall install the piezometer of the required specifications within three months of issue of this permission. (refer para 5.2 of the Directions).
 4. Payment Cycle and Schedule shall be as per para 4.8 of the Directions.
 5. In case of proposed water extraction structure which is yet to be commissioned, the user will intimate the Authority regarding all the details of the structure within 15 days of energizing of structure.
 6. This Permission does not absolve the Unit of its obligations to obtain other required statutory and administrative clearances from appropriate Authorities.
 7. The issue of this Permission does not imply that other statutory or administrative clearances shall necessarily be granted to the unit by the concerned Authorities.
 8. This Permission is being issued without any prejudice to the orders of any court of law in cases related to groundwater or any other related matters.
 9. The Authority may inspect the Unit and original documents at any time. In case it is found that any material facts have been concealed or misreported or any material difference is found in the information submitted and the site conditions or documents, the Authority may suspend the permission granted immediately and may cancel or alter the permission after giving a notice to the Unit. This will be without prejudice to any other action that may be taken under the law for supply of wrong information.
 10. The User is advised to keep on checking the website of the Authority for updates on Directions and instructions on matters related to extraction of groundwater.
 11. The User shall obtain revised/varied/fresh permission as the case may be, in case there is any change in ground water extraction structure, volume etc, before the aforesaid change is affected or within the time permitted under the Directions.
 12. A user shall apply for renewal of permission in the required format three months prior to the expiry of permission.
-



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
क्षेत्रीय कार्यालय, चंडीगढ़ / Regional Office, Chandigarh



मिसिल संख्या :- 9-PBB419/2023-CHA
सेवा में,

दिनांक: .12.2023

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

विषय:- Diversion of 0.0212 ha of forest land permission for construction of approach access to Madhav KRG HRC Pvt. Ltd., on Nabha-Bhawanigarh-Gobindgarh road KM 41-42 R/side, at village Bhagwanpura Tehsil Amloh District Fatehgarh Sahib village Akalgarh Tehsil Nabha, District Patiala, Punjab. (Online proposal no. FPPB/Approach/153259/2022)

संदर्भ (i) State Government online proposal received on dated 21.07.2023.

(ii) अतिरिक्त प्रधान मुख्य वन संरक्षक, पंजाब सरकार के पत्र संख्या FOREST-FCA0FC2P/79/2022-FCA दिनांक 19.12.2023.

महोदय,

मुझे आपका ध्यान उपर्युक्त प्रस्ताव की और दिलाने का निर्देश हुआ है, जिसमें वन (संरक्षण) अधिनियम, 1980 की धारा- 2 के अधीन केन्द्रीय सरकार की अनुमति मांगी गई है। इस प्रस्ताव में इस कार्यालय के समसंख्यक पत्र दिनांक 28.10.2023 द्वारा सैद्धान्तिक स्वीकृति प्रदान की गई थी, जिसकी अनुपालना रिपोर्ट अतिरिक्त प्रधान मुख्य वन संरक्षक व नोडल अधिकारी के पत्र संख्या FOREST-FCA0FC2P/79/2022-FCA दिनांक 19.12.2023 (ऑनलाइन पोर्टल) द्वारा प्राप्त होने के उपरान्त केन्द्र सरकार द्वारा उपर्युक्त उद्देश्य हेतु 0.0212 हैक्टेयर वन भूमि के उपयोग हेतु विधिवत स्वीकृति निम्नलिखित शर्तें पूरी करने पर प्रदान की जाती है:-

- वन भूमि की विधिक स्थिति बदली नहीं जाएगी।
- काटे जाने वाले बाधक वृक्षों/पौधों की संख्या किसी भी रूप में प्रस्ताव में दर्शायी गई संख्या से अधिक नहीं होगी और वृक्षों की कटाई के दौरान वन्यजीवों को किसी तरह का नुकसान नहीं पहुंचाया जाएगा।
- प्रतिपूर्ति पौधारोपण राज्य सरकार द्वारा प्रस्तावित सीए योजना के अनुसार Gulaher Minor RD Village Paid to Tail B/side, Samana & District Patiala, में पौधे लगाकर किया जाएगा और धन प्रयोक्ता एजेंसी द्वारा प्रदान किया जाएगा।
- अतिरिक्त प्रतिपूर्ति पौधारोपण राज्य सरकार द्वारा प्रस्तावित एसीए योजना के अनुसार Gulaher Minor RD Village Paid to Tail B/side, Samana & District Patiala, में पौधे लगाकर किया जाएगा और धन प्रयोक्ता एजेंसी द्वारा प्रदान किया जाएगा।
- प्रतिपूर्ति पौधारोपण और अतिरिक्त प्रतिपूर्ति पौधारोपण इस पत्र के जारी होने की तिथि से एक वर्ष के अन्दर हो जाना चाहिए।
- CEO, State CAMPA, इस कार्यालय द्वारा अनुमोदित सीए योजना के अनुसार CA वृक्षारोपण के लिए DFO को CAMPA Scheme के तहत धनराशि जारी करना सुनिश्चित करेंगे।
- DFO अनुमोदित CA Sites पर वृक्षारोपण करना सुनिश्चित करेंगे और MoEF&CC की अनुमति प्राप्त किए बिना अनुमोदित को नहीं बदलेंगे।
- राज्य सरकार प्रयोक्ता एजेंसी को वन भूमि को गैर वानिकी कार्यों के लिए हस्तान्तरण से पूर्व स्वीकृत प्रतिपूर्ति पौधारोपण (CA) क्षेत्र की KML फाइल को भारतीय वन सर्वेक्षण (FSI) के E-Green Watch पोर्टल पर अपलोड करना सुनिश्चित करेंगी।
- वन भूमि का प्रयोग प्रस्ताव में दर्शाये गये उद्देश्य के अलावा किसी अन्य उद्देश्य के लिये नहीं किया जायेगा।

I/60730/2023

- x. माननीय उच्चतम न्यायालय के निर्देशानुसार जब कभी भी NPV की राशि बढ़ाई जायेगी तो उस बढ़ी हुई NPV की राशि को जमा करने के लिए प्रयोक्ता एजेंसी बाध्य होगी और राज्य सरकार बढ़ी हुई राशि जमा कराना सुनिश्चित करेगी।
- xi. इस प्रस्ताव को 99 वर्षों के लिए अनुमति प्रदान की जायेगी, इसके उपरांत पुनः यह अनुमति भारत सरकार से प्राप्त करनी होगी। इस अनुमोदन के तहत Diversion की अवधि प्रयोक्ता एजेंसी के पक्ष में दी जाने वाली Lease की अवधि या परियोजना की अवधि जो भी कम हो के सह-समाप्ति होगी।
- xii. साथ लगते वन और वनभूमि को किसी तरह का कोई नुकसान नहीं पहुंचाया जायेगा और साथ लगते हुए वन और वनभूमि को बचाने के लिये सभी प्रयत्न किये जायेंगे।
- xiii. स्थानान्तरण के लिए प्रस्तावित वनभूमि को केंद्रीय सरकार की पूर्व अनुमति के बिना किसी भी परिस्थिति में किसी अन्य एजेंसी, विभाग या व्यक्ति विशेष को हस्तांतरित नहीं किया जायेगा।
- xiv. केंद्रीय सरकार की अनुमति के बिना प्रस्ताव के लेआउट प्लान को बदला नहीं जायेगा।
- xv. कूड़ा कर्कट निपटान जारी योजना के अनुसार किया जायेगा।
- xvi. अन्य कोई भी शर्त इस क्षेत्रीय कार्यालय द्वारा वन तथा वन्यजीवों के संरक्षण, सुरक्षा तथा विकास हेतु समय – समय पर लगाई जा सकती है।
- xvii. यदि आवश्यक हो तो प्रयोक्ता एजेंसी पर्यावरण (सुरक्षा) अधिनियम 1986, के अनुसार पर्यावरण अनुमति प्राप्त करेगी।
- xviii. इनमें से किसी भी शर्त का उल्लंघन वन संरक्षण अधिनियम, 1980 का उल्लंघन होगा तथा पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय के Handbook of Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines & Clarifications), 2019 में उल्लिखित दिशानिर्देश 1.21 के अनुसार कार्यवाई की जायेगी।
- xix. यदि कोई अन्य सम्बंधित अधिनियम/अनुच्छेद/नियम/न्यायालय आदेश/अनुदेशआदि इस प्रस्ताव पर लागू होते हैं तो उनके अधीन जरूरी अनुमति लेना 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,

Signed by

Raja Ram Singh

Date: 22-12-2023 12:05:01

हस्ता/-

(राजा राम सिंह)

उप-वन- महानिरीक्षक

RO, MoEF&CC

प्रतिलिपि:-

1. वन महानिरीक्षक (ROHQ), पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, इंदिरा पर्यावरण भवन, जोर बाग, अलीगंज, नई दिल्ली। (ramesh.pandy@nic.in)
2. प्रधान मुख्य वन संरक्षक, पंजाब, फॉरेस्ट कॉम्प्लेक्स, सै०-68, एस० ए० एस० नगर, मोहाली, पंजाब। (pccfpunjab@gmail.com)
3. मुख्य कार्यकारी अधिकारी, CAMPA, फॉरेस्ट कॉम्प्लेक्स, सै०-68, एस० ए० एस० नगर, मोहाली, पंजाब। (ceo.puncampa@gmail.com)
4. वन मण्डल अधिकारी, वन मण्डल और जिला पटियाला, पंजाब। (dfo-pta@gmail.com)
5. Madhav KRG HRC Private Limited village Akalgarh Tehsil Nabha District Patiala। (Harjitsingh66955@gmail.com)



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



Office Dispatch No :
OCMMS/CTO(Air)/2025/003849

Registered/Speed Post

Date:

Industry Registration ID: R22PTA821818

Application No : 28186021

To,

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

Subject: Renewal of consent no. CTOA/Renewal/FGS/2024/25844534 dated 01/10/2024 granted under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.

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

| | |
|------------------------------------|---|
| Consent to Operate Certificate No. | CTOA/Renewal/FGS/2025/28186021 |
| Date of issue : | 05/05/2025 |
| Date of expiry : | 31/03/2026 |
| Certificate Type : | Renewal |
| Previous CTO No. & Validity : | CTOA/Renewal/FGS/2024/25844534 From:01/10/2024 To:31/03/2025 |

2. Particulars of the Industry

| | |
|-------------------------------------|---|
| Name & Designation of the Applicant | Sudhir Goyal, (Director) |
| Address of Industrial premises | Madhav Krg Hrc Pvt. Ltd., Village Akalgarh & Bhagwanpura, Amloh-bhadson Road, Near Toll Plaza, Fatehgarh Sahib, Fatehgarh Sahib-147203 |
| Capital Investment of the Industry | 58625.0 lakhs |
| Category of Industry | Orange |
| Type of Industry | 2063-Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc furnace/submerged arc furnace /basic oxygen furnace /hot rolling reheated furnace |
| Scale of the Industry | Large |
| Office District | Fatehgarh Sahib |

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Madhav Krg Hrc Pvt. Ltd., Village Akalgarh & Bhagwanpura, Amloh-bhadson Road, Near Toll Plaza, Fatehgarh Sahib, Fatehgarh Sahib, 147203

Page1

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

The renewal of consent to operate granted to the industry vide no. CTOA/Renewal/FGS/2024/25844534 dated 01/10/2024 valid upto 31/03/2025 under the Air (Prevention & Control of Pollution) Act, 1981 is hereby renewed upto 31/03/2026 with the same conditions as mentioned therein and following specific conditions:

1. This consent to operate is valid for operation of industrial unit for the manufacturing of Hot Rolled Coil (HRC) @ 500000 MTA by using Scrap and Direct Reduced Iron (DRI) as raw material.
2. The industry shall comply with all the conditions of Environment Clearance granted under the EIA notification dated 14/09/2006.
3. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952.
4. The industry shall comply with guidelines for abstraction of ground water from the Punjab Water Regulation and Development Authority (PWRDA).
5. The industry shall comply with the guidelines/SOPs provided by PSCST, Chandigarh for the effective operation of APCD.
6. The industry shall execute annual maintenance contract (AMC) for APCD from the reputed agency and submit the report in this regard by 31/03/2024 to Regional Office, Fatehgarh Sahib.
7. The industry shall provide stack monitoring arrangements as per emissions regulations part 3 (1985 series) as per CPCB manual.
8. The industry shall not dispose of its Hazardous waste to any unauthorized vendor. The industry shall not use any scrap containing Hazardous waste like shockers containing waste oil.
9. The industry shall ensure that the activities of unit do not create any nuisance in the surrounding areas and no public complaints are received. All other contents shall remain unchanged.

This letter shall remain appended with the consent issued vide no. CTOA/Renewal/FGS/2024/25844534 dated 01/10/2024 to the industry under the Air (Prevention & Control of Pollution) Act, 1981.



05/05/2025

(Amit Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

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

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

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Madhav Krg Hrc Pvt. Ltd., Village Akalgarh & Bhagwanpura, Amlah-bhadson Road, Near Toll Plaza, Fatehgarh Sahib, Fatehgarh Sahib, 147203

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05/05/2025

(Amit Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)



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Madhav Krg Hrc Pvt. Ltd., Village Akalgarh & Bhagwanpura, Amloh-bhadson Road, Near Toll Plaza, Fatehgarh Sahib, Fatehgarh Sahib, 147203

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



Office Dispatch No :
OCMMS/CTO(Water)/2025/003848

Registered/Speed Post

Date:

Industry Registration ID:

R22PTA821818

Application No :

28186051

To,

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

Subject: Renewal of consent no. CTOW/Renewal/FGS/2024/26085779 dated 01.10.2024 granted under the provisions of the Water (Prevention and Control of Pollution) Act, 1974.

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

| | |
|------------------------------------|---|
| Consent to Operate Certificate No. | CTOW/Renewal/FGS/2025/28186051 |
| Date of issue : | 05/05/2025 |
| Date of expiry : | 31/03/2026 |
| Certificate Type : | Renewal |
| Previous CTO No. & Validity : | CTOW/Renewal/FGS/2024/26085779 From:01/10/2024 To:31/03/2025 |

2. Particulars of the Industry

| | |
|-------------------------------------|---|
| Name & Designation of the Applicant | Sudhir Goyal, (Director) |
| Address of Industrial premises | Madhav Krg Hrc Pvt. Ltd., Village Akalgarh & Bhagwanpura, Amloh-bhadson Road, Near Toll Plaza, Fatehgarh Sahib,Fatehgarh Sahib-147203 |
| Capital Investment of the Industry | 58625.0 lakhs |
| Category of Industry | Orange |
| Type of Industry | 2063-Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc furnace/submerged arc furnace /basic oxygen furnace /hot rolling reheated furnace |
| Scale of the Industry | Large |
| Office District | Fatehgarh Sahib |

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Madhav Krg Hrc Pvt. Ltd., Village Akalgarh & Bhagwanpura, Amloh-bhadson Road, Near Toll Plaza, Fatehgarh Sahib, Fatehgarh Sahib, 147203

Page1

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

CTOW/Renewal/FGS/2024/26085779 dated 01/10/2024 valid upto 31/03/2025 under the Water (Prevention & Control of Pollution) Act, 1974 is hereby renewed upto 31/03/2026 with the same conditions as mentioned therein and following specific conditions:

1. This consent to operate is valid for operation of industrial unit for the manufacturing of Hot Rolled Coil (HRC) @ 500000 MTA by using Scrap and Direct Reduced Iron (DRI) as raw material.
2. The industry shall comply with all the conditions of Environment Clearance granted under the EIA notification dated 14/09/2006.
3. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952.
4. The industry shall comply with guidelines for abstraction of ground water from the Punjab Water Regulation and Development Authority (PWRDA).
5. The industry shall comply with the guidelines/SOPs provided by PSCST, Chandigarh for the effective operation of APCD.
6. The industry shall execute annual maintenance contract (AMC) for APCD from the reputed agency and submit the report in this regard by 31/03/2024 to Regional Office, Fatehgarh Sahib.
7. The industry shall provide stack monitoring arrangements as per emissions regulations part 3 (1985 series) as per CPCB manual.
8. The industry shall not dispose of its Hazardous waste to any unauthorized vendor. The industry shall not use any scrap containing Hazardous waste like shockers containing waste oil.
9. The industry shall ensure that the activities of unit do not create any nuisance in the surrounding areas and no public complaints are received.

All other contents shall remain unchanged. This letter shall remain appended with the consent issued vide no. CTOW/Renewal/FGS/2024/26085779 dated 01/10/2024 to the industry under the Water (Prevention & Control of Pollution) Act, 1974.



05/05/2025

**(Amit Kumar)
Environmental Engineer**

*For & on behalf
of*

(Punjab Pollution Control Board)

Endst. No.:

Dated:

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

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

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Madhav Krg Hrc Pvt. Ltd., Village Akalgarh & Bhagwanpura, Amlah-bhadson Road, Near Toll Plaza, Fatehgarh Sahib, Fatehgarh Sahib, 147203

Page2



05/05/2025

(Amit Kumar)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)



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Madhav Krg Hrc Pvt. Ltd., Village Akalgarh & Bhagwanpura, Amloh-bhadson Road, Near Toll Plaza, Fatehgarh Sahib, Fatehgarh Sahib, 147203

Page 3

To,
M/s MADHAV KRG HRC PVT LTD,
VILLAGE AKALGARH, NEAR TOLL PLAZA, AMLOH
BHADSON ROAD, BHADALTHUHA, PATIALA, PUNJAB-147203

| | | | |
|-------------------------------|----------------|------------------------|-----------------------|
| Report No. | RBEL/2411/0071 | Report Date | 11.11.2024 |
| Your Ref. No. | Nil | Type of sample | Ground Water |
| Sample Code Given by Customer | Piezometer-1 | Quantity | 05 LITER |
| Sampling Location | Nil | Date of sampling | 05.11.2024 |
| Sample Collected By | Lab Person | Date of sample receipt | 06.11.2024 |
| Sampling procedure | As per SOP | Sample I.D. | RBEL/2411/0071 |
| | | Date of test | 06.11.2024-11.11.2024 |

| S. No. | Parameters | Results | Limits of IS: 10500 – 2012 (Amendment no. 1, June 2015) | | Test method |
|--------|--|-----------|---|--|---|
| | | | Requirement (Acceptable Limit) | Permissible limit in absence of alternate source | |
| 1 | pH | 7.15 | 6.5 – 8.5 | No relaxation | IS 3025 (Part-11) : 2002 |
| 2 | Total Dissolved Solids mg/l Max | 478 | 500 | 2000 | IS 3025 (Part-16): 2002 |
| 3 | Alkalinity (as CaCO ₃) mg/l ,Max | 192 | 200 | 600 | IS 3025 (Part-23): 2003 |
| 4 | Chloride (as Cl), mg/l, Max | 165 | 250 | 1594 | IS 3025 (Part-32): 2007 |
| 5 | Sulphate (as SO ₄) mg/l, Max | 49 | 200 | 400 | IS 3025 (Part-24): 2003 |
| 6 | Calcium (as Ca) mg/l Max | 66 | 75 | 200 | IS 3025 (Part-40): 2002 |
| 7 | Magnesium (as Mg) mg/l, Max | 11 | 30 | 100 | IS 3025 (Part-46): 2003 |
| 8 | Total Hardness(as CaCO ₃) mg/l, Max | 196 | 200 | 600 | IS 3025 (Part-21) : 2009 |
| 9 | Sodium (as Na) mg/l Max | 54 | - | - | IS 3025 (Part-45): 2003 |
| 10 | Potassium (as K) mg/l Max | 11 | - | - | IS 3025 (Part-45): 2003 |
| 11 | Nitrate (as NO ₃) mg/l, Max | 35.2 | 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 | 0.1 | 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 | 1.2 | 5 | 15 | IS 3025 (Part-49): 1994 |
| 21 | Copper (as Cu) mg/l Max | ND | 0.05 | 1.5 | IS 3025 (Part-42): 1992 |
| 22 | Cadmium (as Cd) mg/l Max | ND | 0.003 | No relaxation | IS 3025 (Part-41): 1992 |
| 23 | Lead (as Pb) mg/l Max | ND | 0.01 | No relaxation | IS 3025 (Part-47): 1994 |
| 24 | Arsenic (as As) mg/l | ND | 0.01 | No relaxation | IS 3025 (Part-37): 1988 |
| 25 | Chromium (as Cr) mg/l Max | ND | 0.05 | No relaxation | IS 3025 (Part-52): 2003 |
| 26 | Sulphide (as H ₂ S), mg/l, Max | ND | 0.05 | No relaxation | APHA 23 rd Edition 2017-4500 D |

Bacteriological examination:-

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

Note: ND Denotes Not Detectable

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

Ed of Report



Ambient



DOG House





Environmental Management Cell

BUILDING A SUSTAINABLE
TOMORROW

| Cat. | Sr. No. | Position | Represented | Role |
|-------------------|---------|--------------------------------|---------------------|-------------|
| EXECUTIVE COUNCIL | 1 | Managing Director | Mr. Sudhir Goyal | Chairman |
| | 2 | Director | Mr. Sanjeev Goyal | Director |
| | 3 | 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 HRC Private Limited

Regd. Office: 1002, 10th Floor, Aggarwal Millenium, Tower-1,
Netaji Subhash Place, Pitampura, North West, Delhi-110058

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

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

| S. No. | Activities | Expenditure to be incurred | | | Actual Expenditure | | | |
|--------|---|--|--|------------------------------|--------------------|---------|---------------|----------------|
| | | Annual Expenditure | Timeline (5 Years from the start of the project) | Total Expenditure | 2023-24 | 2024-25 | 2024-25 | TOTAL |
| 1 | <p><u>Rainwater harvesting</u></p> <p>Adoption of four ponds for rainwater harvesting and maintenance out of which: 2 ponds are located in village bhadalthuha and badetha of nabha block 2 ponds are located in village akalgarh & sakrall of block amloh as per measures given below:</p> <p>i) Nano bubble technology to treat wastewater discharge into the pond.</p> <p>ii) Tree plantation of 6 ft. size around the pond.</p> <p>iii) Removal of solid waste, sludge and sit from the pond.</p> <p>iv) Landscaping around the pond.</p> | Rs. 36 lakhs (i.e. RS. 9 lakhs per pond) | 5 years | Rs. 180 lakhs | 2170000 | 930000 | 675000 | 3775000 |
| 2 | <p>Issues raised during public hearing:</p> <p>i) Rainwater harvesting: Adoption of the pond located in the village bhamars) her of sirhind block based on septic model for rainwater harvesting and pond maintenance through measures given below:</p> <p>i) nano bubble technology to treat wastewater discharge into the pond.</p> <p>ii) Tree plantation of 6 ft. size around the pond.</p> <p>iii) Removal of solid waste sludge and silt from the pond. iv) landscaping around the pond.</p> | Rs. 6 lakhs | 5 years | Rs. 30 lakhs | 680020 | | | 680020 |
| | <p>ii) Plantation: Plantation drives in near by villages.</p> | Rs. 2 lakhs | 5 years | Rs. 10 lakhs | 33114 | | | 33114 |
| | <p>iii) Education:</p> <p>i) Providing uniform books, etc. to needy students and repairing of primary school building located in village chehal.</p> <p>ii) Providing uniforms, books, etc to needy students of the nearby villages</p> | Rs. 4 lakhs Rs. 2 lakhs | 5 years 5 years | Rs. 20 lakhs Rs. 10 lakhs | | | | 0 |
| | <p>Total</p> | Rs. 50 lakhs | | Rs. 250 lakhs | 2883134 | | 675000 | 4488134 |

Madhav KRG HRC Pvt. Ltd.

Auth. Sign.

| | | Expenditure to be incurred | | Actual expenditure | | | | |
|--------|---|----------------------------|---------------------------|----------------------------------|----------|---------------------------------------|---------------------|-----------|
| Sr.No. | Environmental Protection Measures | Capital Cost(Rs.in lakhs) | Recurring Cost(Rs.in LPA) | 2022-23 04.07.2022 to 31.03.2023 | 2023-24 | Expenditure from 01.04.24 to 30.09.24 | 1.10.24 to 31.03.25 | Total |
| 1 | Air pollution control(Installation Of APCD and continuous emission monitoring system) | 853 | 2.5 | 27628721 | 49243310 | 1513000 | 6799585 | 146384616 |
| 2 | Water pollution control (STP of capacity 90 KLD) | 150 | 2 | | 9641946 | 827121 | 246845 | 10469067 |
| 3 | Noise pollution control (Provision of acoustic enclosure for DG sets) | 5 | 2 | | | 1500000 | | 1500000 |
| 4 | Green Belt development by planting of 5950 tall plants of indigenous tree species. | 55 | 55(for 3 years) | | 66400 | 2233881 | | 18100000 |
| 5 | Solid waste management | 3 | 0.5 | | | | | |
| 6 | Environment monitoring & management | 3 | 5 | | 725000 | 146000 | 26000 | 146000 |
| 7 | Health,Safety & Risk Assessment (PPE kit for workers) | 5 | 1 | | 1214668 | 1036637 | | 2251305 |
| 8 | Rain Water harvesting system | 8 | 0.5 | 13436965 | 6642226 | | 675000 | 20754191 |
| 9 | CER activities | 250 | | | | | | 4483134 |
| 10 | Miscellaneous | 5 | 0.5 | | | | | 0 |
| | Total | RS.1337 lakhs | Rs.69 lakhs | 13436965 | 67533550 | 7312769 | 68947430 | 204874443 |

Madhav KRG HRC Pvt Ltd.

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Rain Water Recharging Projects



