

To

The Additional Director

Ministry of Environment, Forest and Climate Change,

Integrated Regional Office,

Bays Nos. 24-25, Sector 31 A,

Dakshin Marg,

Chandigarh – 160030

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

Subject: Submission of six-monthly compliance report for period ending 30.09.2023 for the Project namely "Mahindra & Mahindra Ltd. (FES) - Swaraj Division Foundry" located at Village Majri, Tehsil Kharar, SAS Nagar, Punjab.

Respected Sir,

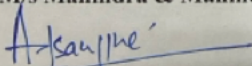
With reference to the EIA Notification & its amendments regarding submission of six-monthly compliance report, we are hereby submitting the six monthly compliance report for period ending 30.09.2023 for the above said project through mail for your perusal.

Kindly acknowledge the receipt of the same.

Thanking you

Yours sincerely,

For **M/s Mahindra & Mahindra Limited (FES) – Swaraj Division Foundry**


(Authorized Signatory)

Name: Mr. Sanjiv. Anand

Contact No.: 9881408549

Designation: VP (Mfg.)

Email: anand.swaraj@mahindraswaraj.com

CC:

- **Member Secretary**, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26-Chandigarh-160019. (Soft copy through CD)
- **Environmental Engineer**, The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali, (Punjab). (soft copy through CD).

2023

**SIX MONTHLY COMPLIANCE
REPORT**
(Period ending 30.09.2023)

F

R

For

**“Mahindra & Mahindra Ltd. (FES)
- Swaraj Division Foundry”**

Located at Village Sialba Majri, Tehsil Kharar,
Distt. SAS NAGAR (Mohali), Punjab.

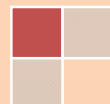
Prepared by:



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Ministry of Environment, Forest and Climate Change
Northern Region Office
Chandigarh-160030

DATA SHEET

1.	Project Type	Grey Iron Casting Unit
2.	Name of the Project	Mahindra & Mahindra Ltd. (FES) - Swaraj Division Foundry
3.	Clearance letter (s) F. No. & Date	The Environment Clearance has been granted vide letter No. SEIAA/M.S./2014/3189 dated 17.10.2014. EC letter is attached as Annexure - 1 .
4.	Location	Village Majri, Tehsil Kharar
a)	District(s)	SAS Nagar, Mohali
b)	State (s)	Punjab
5.	Address for correspondence	M/s Mahindra & Mahindra Ltd. (Swaraj Division Foundry) Village Majri, Tehsil Kharar, District SAS Nagar (Mohali), Punjab.
6.	Salient features	Expansion of existing steel casting unit from 35,000 TPA to 60,000 TPA.
a)	Of the Project	The total plot area of the project is 72,843.415 sq.mt. However, expansion is carried out in the existing manufacturing unit therefore, no land is required for expansion.
b)	Of the environment	<p>Water Requirement: As per the Environmental Clearance Letter, after expansion the total water requirement of the project will be 250 KLD, which will be met from tube well. Out of which, 100 KLD will be used for domestic purpose, 65 KLD will be used for the process and 85 KLD will be used for cooling purposes.</p> <p>Wastewater Generation: As per the Environmental Clearance Letter, there is no waste effluent from the process. Wastewater from domestic use is to be treated through STP cum ETP and treated waste water to be used within the premises for plantation.</p> <p>Miscellaneous: As per the Environmental Clearance letter, the additional power requirement of 8,000 KW for the proposed expansion will be met from PSEB, total connected load = 14924.35 KW and sanctioned demand = 12951 KVA. Green belt developed within the plant premises.</p>
7.	Break-up of the Project Area	-
a)	Submergence area	Not applicable
8.	Break up of project affected population with enumeration of those	Not applicable

	losing houses/dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/land landless laborers / artisans.																																	
a)	SC/ST/ Adivasi's	Not applicable																																
b)	Others (Please indicate whether these figures are base on any scientific and systematic survey carried out or only provisional figures. if a survey has been carried out give details and year of survey)	Not applicable																																
9.	Financial details																																	
a)	Project cost as originally planned and subsequent revised estimates and the year of price reference.	Rs. 66.74 Crores (Originally Planned). The fixed assets as on 30 th September 2023 is Rs. 236.57 Cr.																																
b)	Allocations made for environmental management plan with item wise and year of assessment.	<div>As per proposal submitted at the time of Environmental Clearance, proposed expenditure on EMP is below:</div> <table><tr><th>SI. No.</th><th>Particulars</th><th>Approx. capital cost (Rs. lac)</th><th>Approx. recurring cost (Rs. lac)</th></tr><tr><td>1.</td><td>Air pollution control</td><td>200.0</td><td>20.0</td></tr><tr><td>2.</td><td>Water Pollution control/STP cum ETP</td><td>60.0</td><td>5.0</td></tr><tr><td>3.</td><td>Noise pollution control (including cost of landscaping and green belt)</td><td>20.0</td><td>4.0</td></tr><tr><td>4.</td><td>Solid waste management</td><td>20.0</td><td>5.0</td></tr><tr><td>5.</td><td>Environment Monitoring & Management (including laboratory establishment)</td><td>30.0</td><td>5.0</td></tr><tr><td>6.</td><td>RWH</td><td>20.0</td><td>2.0</td></tr><tr><td>7.</td><td>Miscellaneous (Appointment of consultant, Management of Environment cell,</td><td>10.0</td><td>3.0</td></tr></table>	SI. No.	Particulars	Approx. capital cost (Rs. lac)	Approx. recurring cost (Rs. lac)	1.	Air pollution control	200.0	20.0	2.	Water Pollution control/STP cum ETP	60.0	5.0	3.	Noise pollution control (including cost of landscaping and green belt)	20.0	4.0	4.	Solid waste management	20.0	5.0	5.	Environment Monitoring & Management (including laboratory establishment)	30.0	5.0	6.	RWH	20.0	2.0	7.	Miscellaneous (Appointment of consultant, Management of Environment cell,	10.0	3.0
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		Consent fees and Monitoring		
		Total	360	44.0
c)	Benefit cost ratio/ Internal rate of return and year of assessment.	Will be calculated and submitted.		
d)	Whether (c) includes the cost of environmental management as shown in (b) above.	Yes		
e)	Actual expenditure incurred on the project so far.	The fixed assets as on 30 th September 2023 is Rs. 236.57 Cr.		
f)	Actual expenditure incurred on the environmental management plans so far:	The actual expenditure incurred till 30 th September, 2023 on EMP is approximately Rs. 22.74 Lacs.		
10.	Forest lands requirement:	Not applicable		
a)	The status of approval for diversion of forest land for non-forestry use.	Not applicable		
b)	The status of clear felling.	Not applicable		
c)	The status of compensatory afforestation programme in the light of actual field experience so far.	Not applicable		
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.	Not applicable		
12.	Status of construction	The construction work for expansion project has been completed.		
a)	Date of commencement (actual and /or planned)	Work on proposed expansion was initiated in August 2019.		
b)	Date of completion (actual and/or planned)	December 2021. Copy of the CTO-Renewal is enclosed as Annexure 2 .		
13.	Reasons for the delay if the project is yet to start:	Not applicable		

Compliance report on conditions imposed in Environmental Clearance

PART A - SPECIFIC CONDITIONS

Sl. No.	EC Conditions	Reply
i.	The company shall install separate cyclone. Followed bag filters and fume extraction system etc. to control the particulate emission below 50 mg/Nm ³ as proposed for the induction furnace to be installed.	Agreed, the unit has already installed cyclone and bag house filter to control the particulate emissions. Stack emission test reports are enclosed as Annexure-3 .
ii.	The National Ambient Air Quality Standard issued by the ministry vide G.S.R. No. 826 (E) dated 16 th November, 2009 as amended from time to time should be followed.	Agreed, ambient air quality emissions are being monitored on quarterly basis from NABL accredited laboratory. It is being ensured that the emissions are within the prescribed limits. Test Reports for ambient air quality monitoring are attached along as Annexure-4 . In addition, four ambient air monitoring stations have been installed at site.
iii.	Gaseous emission levels including secondary fugitive emission from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Codes of practice issued by the CPCB should be followed.	Agreed and complied, secondary fugitive emissions are being monitored and found well within permissible limits. Regular work zone monitoring is being done and test reports are attached along as Annexure-5 .
iv.	Vehicular pollution due to transportation of raw material and finished product should be controlled. Proper arrangements should also be made to control dust emissions during loading and unloading of the raw material and finished product.	Agreed and complied, vehicles involved in transportation of raw material and finished product are being monitored regularly. Copy of PUC is enclosed as Annexure 15 . For loading / unloading of raw material lifting magnets have been installed for controlling dust emissions. In final finished product & finished castings area, pucca floors have been provided, thus dust generation is controlled to the maximum extent possible.
v.	The net water requirement shall not exceed 250 KLD. No effluent shall be discharged, and 'zero' discharge shall be adopted. The domestic effluent will be treated in an STP and used onto land for green area within the premises.	Agreed and complied, net water demand does not exceed 250 KLD. The domestic effluent is being treated in STP followed by UF/RO for recycling the water back into the process for cooling and remaining

		is used onto land for green area within the premises.
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vi.	The project proponent will construct rainwater harvesting tank for storage of the storm water from areas other than roof top and minimum storage capacity of the tank shall be of 90 percentile of rainfall event. The stored storm water shall be used for firefighting, irrigating green areas and other such purposes instead of using fresh water as agreed upon by the project proponent during the presentation before Committee on 18.09.2014.	Agreed and complied, storm water collection tank of 320 KL capacity has already been constructed at site. Excess of storm water is discharged to the PWD drain passing in front of the industry for which permission has already been obtained.
vii.	Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pre-treatment must be done to remove suspended matter, oil and grease. However, no runoff from gardens/green area/roads/pavements shall be connected with the groundwater recharging system.	Agreed and complied, 3 rainwater harvesting pits have been constructed for roof run-off collection.
viii.	The waste sand generated from the process will be reclaimed and a reclamation plant will be set up for the purpose.	Agreed and complied, we are in the process of giving 70 MT waste sand to the processing supplier who is in turn giving to smaller foundries after processing. Work is under process for increasing the capacity of supplier for reclamation. It is done after as per consultation with PPCB.
ix.	Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the Punjab Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bangalore, PPCB and CPCB.	Agreed and complied, monitoring of effluent and ground water is being done on quarterly basis. It is being ensured that the treated wastewater meets the norms prescribed by the Punjab Pollution Control Board or described under the Environment (Protection) Act, 1986. Test reports of ground water quality and effluent are attached along as Annexure-6 and Annexure-7 . Also, Leachate study has been carried out. Copy is attached as Annexure 8 .

x	Risk and Disaster Management Plan along with the mitigation measures as proposed shall be implemented.	Agreed and complied, onsite emergency plan has already been prepared and is being implemented by the industry. Risk analysis for fire explosion, oil spillage, leakage of LPG, electrocution etc. has been carried out and disaster management plan for the safety of employees and workers covering alarm systems, fire safety measures, first aid as well as emergency response team has also framed. Mock Drills are being scheduled and practiced for better understanding of workers.
xi	Green belt shall be developed as proposed. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	Agreed and complied, work is under process for planting additional trees.
xii	All the commitments made to the public during the Public Hearing/ Public Consultation meeting should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bangalore.	<p>Status of Public Hearing action plan is given below as:</p> <ol style="list-style-type: none"> 1. Construction of toilets at Government Senior Secondary School, Sialba Majri after spending Rs. 9 Lacs has been completed. 2. Plantation on Sialba Majri road – Plantation has been done. 3. Lights on Sialba Majri road – 25 solar lights have been provided along the road in addition to 8 lights have already been installed. 4. Local employment – Around (60-70) percent employees are already employed from District Mohali. 5. Compensation to affected person – Covered under Public Liability insurance. Insurance is in place and copy is attached as Annexure 9.
xiii	The project proponent shall spend an amount of Rs. 20 Lacs for the activities to be undertaken under the Corporate Social Responsibility programme. This amount will be in addition to the amount to be spent under the provisions of the Companies Act, 2013 and Companies (Corporate social Responsibility Policy) Rules, 2014.	Swaraj Foundry Division has undertaken various CSR activities like for educational initiatives - abacus activity for government school children, cleanliness drives, for women empowerment initiatives like distribution of seed kits for kitchen farming, health camps and SHGs

		formation and for environmental initiatives, activities like plantation drives, awareness rally on alternate to single use plastics.
xiv	The company should provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed and Complied.
xv	The project proponent shall adhere to the commitments made in the Environment Management Plan. The Environment Management Cell will be responsible for implementation of EMP. Rs.350 Lacs will be incurred on account of capital cost and Rs.44 lacs/annum will be incurred as recurring cost for implementation of EMP.	Rs. 22.74 Lacs has been implemented for EMP till 30.09.2023.
xvi	Seismic hazard & flood hazard history & management plan and trace element analysis for groundwater shall be submitted to the Ministry's Regional Office at Chandigarh, Punjab Pollution Control Board and CPCB within 3 months of issue of environmental clearance letter.	Agreed and complied, the project site has not faced any major seismic hazard and flood hazard. However, as desired in EC letter, seismic hazard & flood hazard management plan is attached as Annexure 11 . Trace element analysis for groundwater has been undertaken respectively.

PART B - GENERAL CONDITIONS

Sl. No.	Conditions	Reply
i.	This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.	Agreed and complied, the environment clearance granted vide letter No. SEIAA/M.S./2014/3189 dated 17.10.2014. Copy of EC letter is attached as Annexure 1 .
ii.	The environmental safeguards contained in the application of the promoter/ mentioned during the presentation before State Level Environment Impact Assessment Authority/ State Expert Appraisal Committee should be implemented in letter and spirit.	Agreed and complied, the environmental safeguards are being implemented in true letter and spirit.
iii.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SEIAA/Punjab Pollution Control Board.	Agreed and complied, six monthly compliance report is being submitted regularly to Regional Office of MoEF& CC as well as SEIAA, Punjab. Acknowledgement of last submitted six monthly compliance report for period ending 31.03.2023 is attached along as Annexure-12 .
iv.	Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh/ State Level Environment Impact Assessment Authority/ State Level Expert Appraisal Committee/ Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/ State Level Environment Impact Assessment Authority.	Agreed and complied, full co-operation/ facilities and documents/data will be provided to Officials from Regional Office of MoEF&CC/ State Level Environment Impact Assessment Authority/ State Level Expert Appraisal Committee/ Punjab Pollution Control Board during their inspection. A complete set of all the documents was also forwarded to the specified departments.
v.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.	Agreed and complied, fresh application will be submitted to State Environment Impact Assessment Authority in case any changes will be done in the scope of the project.

vi.	Separate distribution pipelines be laid down for use of treated effluent/ raw water for horticultural/ gardening purposes with different colour coding.	Agreed and complied, separate pipelines have been provided to utilize the treated water for horticultural/ gardening purposes within the industry which have been color-coded accordingly.
vii.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.	Agreed and complied, all necessary statutory approvals have been obtained and have been submitted to the esteemed office along with last six-monthly compliance reports.
viii.	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh and SEIAA, Punjab.	Complied, the advertisements have already been published in the newspaper and copy of same has been submitted already along with previously submitted six monthly compliance reports.
ix.	These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Noted and agreed.
x.	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any competent court, to the extent applicable.	Agreed.

xi.	The project proponent shall obtain CLU from the competent authority, if any authority insists.	Agreed, approval under spot zoning has been granted to the industry. Further for expansion, no additional land has been acquired.
xii.	The project proponent shall obtain permission from CGWA for abstraction of 250KLD groundwater.	Agreed and complied, project proponent has obtained permission from CGWA for abstraction of 250 KLD of ground water. Also, fresh approval for ground water extraction has been obtained from PWRDA. The permission from the PWRDA is attached as Annexure 13 .
xiii.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Agreed and complied, a copy of environment clearance letter was shared with the concerned panchayat. In addition, website of the industry is developed and EC letter is uploaded on the website i.e. www.swarajtractors.com . Screenshot showing the same is attached as Annexure 14 .
xiv.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM _{2.5} , PM ₁₀ , SO ₂ , NO _x , CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed and complied, previously submitted six monthly compliance report along with the test reports has been uploaded on the website of the industry i.e. www.swarajtractors.com . Screenshot of the website is attached as Annexure 14 . The display board has already been placed at the main gate of the industry.
xv.	The State Environment Impact Assessment Authority reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.	Noted.

xvi.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	No appeal against the environment clearance was raised.
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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
 Vatavaran Bhawan, Nabha Road,
 Patiala - 147 001
 Telefax:- 0175-2215636

No. SEIAA/M.S./2014/3189

Dated 17.10.2014

Registered

To

Sh. Sohan Lal Maine, Vice President,
 M/s Mahindra & Mahindra (P) Ltd.,
 (Swaraj Division Foundry unit)
 Village Majri, Tehsil Kharar, District Mohali

Subject: Environmental Clearance under EIA Notification dated 14.09.2006 for increase in the production capacity of differential, rear cover, gear box, trumpet & other tractor parts from 35,000 TPA to 60,000 TPA in the existing Swaraj Division Foundry unit located in the revenue estate of Village Majri, Tehsil Kharar, District SAS Nagar by M/s Mahindra & Mahindra (P) Ltd.,

This has reference to your application for obtaining environmental clearance for increase in the production capacity of differential, rear cover, gear box, trumpet & other tractor parts from 35,000 TPA to 60,000 TPA in the existing Swaraj Division Foundry unit located in the revenue estate of Village Majri, Tehsil Kharar, District SAS Nagar, Punjab and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) for seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, conceptual plan, rapid EIA report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves increase in the production capacity of differential, rear cover, gear box, trumpet & other tractor parts from 35,000 TPA to 60,000 TPA in the existing Swaraj Division Foundry unit located in the revenue estate of Village Majri, Tehsil Kharar, District SAS Nagar. The area of the existing

manufacturing unit is 72843.415 sqm and expansion is to be carried out in the existing manufacturing unit. The industry shall use Iron Scrap, Pig Iron and Ferro alloys as raw material for manufacturing of above mentioned products. The cost of the expansion plan of the project is Rs.66.74 crores. The total water requirement of the project will be 250 KLD, which will be met from tube well. Out of which, 100 KLD will be used for domestic purpose, 65 KLD will be used in the process and 85 KLD will be used for cooling purpose. About 80 KLD of domestic effluent will be generated, which will be treated in an STP of 100 KLD capacity. The treated wastewater will be discharged on to land for irrigation. Green belt will be developed in an area of 29092.62 sq. m. and the same will be irrigated with treated wastewater

The existing power requirement available is 7308 KW and about 8000 KW additional power required. Total power requirement will be 15308 KW after expansion. 2 No. of D.G sets of 1000 KVA each will be installed as standby arrangement of power supply. No forest land falls in the project site and there is no National Park and Wild life Sanctuary within a radius of 10 Km from the project site. Rs. 20 Lacs will be spent on the following activities to be undertaken under the Corporate Social Responsibility programme:

- (i) Rs. 2 Lacs will be spent for environmental education cum awareness campaign through audio/video in Villages Hoshiarpur, Burona, Tarian, Mainpur and Majri and High schools of these villages once a year.
- (ii) Rs. 2 Lacs will be spent for health check up camps including vision, audiometry, spirometry, respiratory disorders and free medicines whenever required once a year in Villages Hoshiarpur, Burona, Tarian, Mainpur and Majri and will also provide and run a free Dispensary in Village Majri.
- (iii) Rs.3 lacs will be spent on providing of sewing machines, ceiling fans and tricycles to needy poor and handicapped once in five years in Villages Burona, Tarian, Mainpur and Majri
- (iv) Rs. 3 Lacs will be spent for providing purified drinking water and separate toilets in the schools and their upkeep in Villages Hoshiarpur, Burona, Mainpur and Majri.

- (v) Rs. 5 Lacs will be spent for distribution of uniforms, books & bags to students in the school specially from weaker section in Villages Burona, Tarian, Mainpur and Majri. Primary school of Sialba Majri has been adopted and separate toilets for girls have been provided.
- (vi) Rs.5 Lacs will be spent for free medical treatment to very poor patients as recommended by Hospital in Villages Hoshiarpur, Burona, Mainpur and Majri.

The Environment Management Cell will be responsible for implementation of EMP. Rs. 350 Lacs will be incurred on account of capital cost and Rs.44 lacs/annum will be incurred as recurring cost for implementation of EMP.

The case was considered by the SEAC in its 50th meeting held on 12.08.2011 and categorized this project as B1 and decided to issue Terms of Reference for preparation of EIA report and EMP. The said TOR were conveyed to the industry for preparation of EIA/EMP and conduct of public hearing as per procedure laid down in Appendix IV of the EIA Notification dated 14.09.2006. Thereafter, the project proponent submitted the final EIA / EMP report alongwith the requisite documents. The case was again considered by the SEAC in its 91st meeting held on 25.01.2014 and observations were conveyed to the project proponent vide letter no. 1764 dated 06.02.2014. Thereafter, the case was again considered by the SEAC in its 94th meeting held on 12.06.2014 the decisions/observations of the SEAC were conveyed to the project proponent and CGWB vide letter no. 2022-23 dated 20.06.2014, respectively. Accordingly, the project proponent submitted reply to the observations of the SEAC.

Lastly, the case was considered by the SEAC in its 101st meeting held on 18.09.2014, wherein, the Committee awarded '**Silver Grading**' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 72nd meeting held on 11.10.2014 and the Authority noted that the case stands recommended by SEAC and the Committee awarded '**Silver Grading**' to the project proposal. Therefore, the Authority decided to grant environmental clearance for increase in the production

capacity of rear cover, gear box, trumpet & other tractor parts from 35,000 to 60,000 TPA in existing premises of the industry located in the revenue estate of Village Majri, Tehsil Kharar, Distt. SAS Nagar, subject to the conditions as proposed by the SEAC, in addition to the proposed measures. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to strict compliance of terms and conditions as follows:

Specific Conditions

- (i) The company shall install separate cyclone followed bag filters and fume extraction system etc. to control the particulate emissions below 50 mg/Nm³ as proposed for the induction furnace to be installed.
- (ii) The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 as amended from time to time should be followed.
- (iii) Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.
- (iv) Vehicular pollution due to transportation of raw material and finished product should be controlled. Proper arrangements should also be made to control dust emissions during loading and unloading of the raw material and finished product.
- (v) The net water requirement shall not exceed 250 KLD. No effluent shall be discharged and 'zero' discharge shall be adopted. The domestic effluent will be treated in an STP and used onto land for green area within the premises.
- (vi) The project proponent will construct rainwater harvesting tank for storage of the storm water from areas other than roof top and minimum storage capacity of the tank shall be of 90 percentile of rainfall event. The stored storm water shall be used for fire fighting, irrigating green areas and other such purposes instead of using fresh water as agreed upon by the project proponent during the presentation before Committee on 18.09.2014.

- (vii) Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/green area/roads/pavements shall be connected with the groundwater recharging system.
- (viii) The waste sand generated from the process will be reclaimed and a reclamation plant will be set up for the purpose.
- (ix) Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the Punjab Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bangalore, PPCB and CPCB.
- (x) Risk and Disaster Management Plan along with the mitigation measures as proposed shall be implemented.
- (xi) Green belt shall be developed as proposed. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- (xii) All the commitments made to the public during the Public Hearing / Public Consultation meeting should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bangalore.
- (xiii) The project proponent shall spend an amount of Rs.20 Lacs for the activities to be undertaken under the Corporate Social Responsibility programme. This amount will be in addition to the amount to be spent under the provisions of the Companies Act, 2013 and Companies (Corporate social Responsibility Policy) Rules, 2014.
- (xiv) The company should provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (xv) The project proponent shall adhere to the commitments made in the Environment Management Plan. The Environment Management Cell will be responsible for implementation of EMP. Rs.350 Lacs will be incurred on account of capital cost and Rs.44 lacs/annum will be incurred as recurring cost for

implementation of EMP.

- (xvi) Seismic hazard & flood hazard history & management plan and trace element analysis for groundwater shall be submitted to the Ministry's Regional Office at Chandigarh, Punjab Pollution Control Board and CPCB within 3 months of issue of environmental clearance letter.

General Conditions :

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SEIAA/Punjab Pollution Control Board.
- iv) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/State Level Environment Impact Assessment Authority.
- v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.
- vi) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.
- vii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab

Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.

- viii) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh and SEIAA, Punjab.
- ix) These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- x) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any competent court, to the extent applicable.
- xi) The project proponent shall obtain CLU from the competent authority, if any authority insists.
- xii) The project proponent shall obtain permission from CGWA for abstraction of 250 KLD groundwater.
- xiii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- xiv) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xv) The State Environment Impact Assessment Authority reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take

action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.

- xvi) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Member Secretary (SEIAA)

REGISTERED

Endst. No. _____

Dated _____

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

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Member Secretary, Punjab State Power Corporation Ltd., The Mall, Patiala.
4. The Deputy Commissioner, SAS Nagar.
5. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
6. The Chief Conservator of Forests (North), Ministry of Environment and Forest, Regional Office, Bays No.24-25, Sector-31-A, Chandigarh.
7. The Chief Town Planner, Pb., Department of Town & Country Planning, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
8. The Director (Environment), Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the project proponent is as under:
 - a) Name of the applicant Sh. Sohan Lal Maine, Vice President
 - b) Telephone Number 0160-2643025
 - c) E-mail mail@swarajenterprise.com
9. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala for displaying the environmental clearance on the website of the State Level Environment Impact Assessment Authority.

10. The Executive Engineer, PUDA, Patiala.

Member Secretary (SEIAA)



भारत का राजपत्र The Gazette of India

सी.जी.-डी.एल.-अ.-18012021-224513
CG-DL-E-18012021-224513

असाधारण
EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)
PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 201]
No. 201]

नई दिल्ली, सोमवार, जनवरी 18, 2021/पौष 28, 1942
NEW DELHI, MONDAY, JANUARY 18, 2021/PAUSHA 28, 1942

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

अधिसूचना

नई दिल्ली, 18 जनवरी, 2021

का.आ. 221(अ).—केंद्रीय सरकार, तत्कालीन पर्यावरण और वन मंत्रालय में, पर्यावरण (संरक्षण) अधिनियम, 1986 की धारा 3 की उप-धारा (1) और उप-धारा (2) के खंड (v) के अधीन अपनी शक्तियों के प्रयोग करते हुए, पर्यावरण समाधात निर्धारण अधिसूचना, 2006 (जिसे इसके बाद उक्त अधिसूचना कहा गया है) संख्या का. आ. 1533 (अ), तारीख 14 सितंबर, 2006 द्वारा प्रकाशित किया जा चुका है, उक्त अधिसूचना की अनुसूची में सभी संबंधित सूचीबद्ध नई परियोजनाओं या क्रियाकलापों के लिए उनके विस्तार और आधुनिकीकरण और/या उत्पाद मिश्रण में परिवर्तन किया जा सकता है यथास्थिति, भूमि को अभिप्रास करने के सिवाय, परियोजना प्रबंधन द्वारा किसी भी संनिर्माण कार्य या भूमि को तैयार करने से पूर्व संबंधित विनियामक प्राधिकरण से पूर्व पर्यावरणीय अनापत्ति अपेक्षित होगी।

और कोरोना वायरस (कोविड-19) के प्रकोप को देखते हुए और तत्पश्चात इसके नियंत्रण के लिए घोषित लॉकडाउन (कुल या आंशिक) ने, क्षेत्र में परियोजनाओं या क्रियाकलापों के कार्यान्वयन को प्रभावित किया है। पर्यावरण और वन जलवायु परिवर्तन मंत्रालय उक्त अधिसूचना में अनुज्ञात अधिकतम अवधि से परे पूर्व पर्यावरणीय अनापत्तियों की विधिमान्यता के विस्तार के लिए अनुरोधों की संख्या प्राप्ति में है, क्योंकि कोविड 19 महामारी अभी तक समाप्त नहीं हुई है। मामले की उक्त मंत्रालय में समीक्षा की गई है और चिंता इस तथ्य को ध्यान में रखते हुए है कि लॉकडाउन (कुल या आंशिक) के कारण, क्षेत्र में क्रियाकलापों को जारी रखना कठिन हो सकता है।

अतः अब, केंद्रीय सरकार, पर्यावरण (संरक्षण) नियम, 1986 के नियम 5 के (4) खंड के साथ पठित पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 3 की उप-धारा (1) की उप-धारा (2) के खंड (v) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, लोक हित में उक्त नियमों के नियम 5 के उप-नियम (3) के खंड (क) के अधीन नोटिस की अपेक्षा अभिमुक्ति के पश्चात् भारत के राजपत्र असाधारण, भाग- II, खंड 3, उपखंड (II), में प्रकाशित, भारत सरकार की तत्कालीन पर्यावरण और वन मंत्रालय अधिसूचना का.आ.1533 (अ), तारीख 14 सितंबर, 2006, में निम्नलिखित और संशोधन करती है, अर्थात्: -

उक्त अधिसूचना में,

(i) उप शीर्ष II "चरण (2)-विस्तारण", के अधीन पैरा 7 के उप पैरा 7(i) में, खंड (viii) के पश्चात् निम्नलिखित खंड अंतःस्थापित किया जाएगा अर्थात्: -

"(ix) उपरोक्त में अंतर्विष्ट किसी बात के होते हुए, 1 अप्रैल 2020 से 31 मार्च 2021 की अवधि में कोरोना वायरस (कोविड-19) के प्रकोप को देखते हुए और तत्पश्चात् इसके नियंत्रण के लिए घोषित लॉकडाउन (कुल या आंशिक) की दृष्टि में इस अधिसूचना के उपबंधों के अधीन मंजूर संदर्भ की शर्तों की विधिमान्यता की अवधि की गणना के प्रयोजन के लिए विचार नहीं किया जाएगा, तथापि उक्त संदर्भ की शर्तों के संबंध में इस अवधि के दौरान अपनाए गए सभी क्रियाकलाप विधिमान्य समझे जाएंगे।";

(ii) पैरा 9 क के स्थान पर, निम्नलिखित पैरा रखा जाएगा, अर्थात्: -

"9 क. इस अधिसूचना में अंतर्विष्ट किसी बात के होते हुए, 1 अप्रैल 2020 से 31 मार्च 2021 की अवधि में कोरोना वायरस (कोविड-19) के प्रकोप को देखते हुए और तत्पश्चात् इसके नियंत्रण के लिए घोषित लॉकडाउन (कुल या आंशिक) की दृष्टि में इस अधिसूचना के उपबंधों के अधीन मंजूर पूर्व पर्यावरणीय अनापत्ति की विधिमान्यता की अवधि की गणना के प्रयोजन के लिए विचार नहीं किया जाएगा, तथापि उक्त पर्यावरणीय अनापत्ति के संबंध में इस अवधि के दौरान अपनाए गए सभी क्रियाकलाप विधिमान्य समझे जाएंगे।";

[फा. सं. 22-25/2020-आई.ए. III]

गीता मेनन, संयुक्त सचिव

टिप्पण : मूल अधिसूचना भारत के राजपत्र, असाधारण, भाग II, खंड 3, उप-खंड (ii) संख्या का.आ. 1533 (अ), तारीख 14 सितंबर, 2006 द्वारा प्रकाशित की गई थी और अधिसूचना अधिसूचना संख्या का.आ. 4254 (अ), तारीख 27 नवंबर, 2020 द्वारा अंतिम बार संशोधन किया गया था।

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE NOTIFICATION

New Delhi, the 18th January, 2021

S.O. 221(E).—Whereas, the Central Government in the erstwhile Ministry of Environment and Forests, in exercise of its powers by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 has published the Environment Impact Assessment Notification, 2006 (hereinafter referred to as the said notification) vide number S.O.1533(E), dated the 14th September, 2006, making the requirement of prior environmental clearance from the concerned regulatory authority mandatory for all new projects or activities listed in the Schedule to the said notification, their expansion and modernisation and/or change in product mix, as the case may be, before any construction work or preparation of land by the project management except for securing the land;

And whereas, in view of the outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, implementation of projects or activities in the field has been affected. Ministry of

Environment, Forest and Climate Change is in receipt of number of requests for extension of the validity of prior environmental clearances beyond the maximum period allowed in the said notification, as the COVID-19 pandemic has not yet come to an end. The matter has been examined in the said Ministry and the concern is genuine keeping in view the fact that due to lockdowns (total or partial), continuation of activities in the field has been difficult.

Now, therefore, in exercise of the powers conferred by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986), read with sub-rule (4) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government, after having dispensed with the requirement of notice under clause (a) of sub-rule (3) of rule 5 of the said rules in public interest, hereby makes the following further amendments in the notification of Government of India, in the erstwhile Ministry of Environment and Forests, number S.O. 1533 (E), dated the 14th September, 2006, published in the Gazette of India, Extraordinary, Part-II, Section 3, Sub-section (II), namely:-

In the said notification, -

- (i) in paragraph 7, in sub-paragraph 7(i), under sub-heading II. "Stage (2) – Scoping", after clause (viii), the following clause shall be inserted, namely:-

"(ix). Notwithstanding anything contained above, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Terms of Reference granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the said Terms of Reference shall be treated as valid."

- (ii) for paragraph 9A, the following paragraph shall be substituted namely:-

"9A. Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid."

[F.No.22-25/2020-IA.III]

GEETA MENON, Joint Secy.

Note: The principal notification was published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii) vide number S.O. 1533 (E), dated the 14th September, 2006 and was last amended vide the notification number S.O. 4254(E), dated the 27th November, 2020.



PUNJAB POLLUTION CONTROL BOARD

Zonal Office-I, Vatavaran Bhawan, Nabha Road, Patiala

Website:- www.ppcb.gov.in



Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R12SAS30839

Application No : 22820333

To,
Sanjiv Anand
Sialba Majri, Tehsil Kharar
Mohali, Mohali-140110

Subject: Renewal of Consent to Operate under section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

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

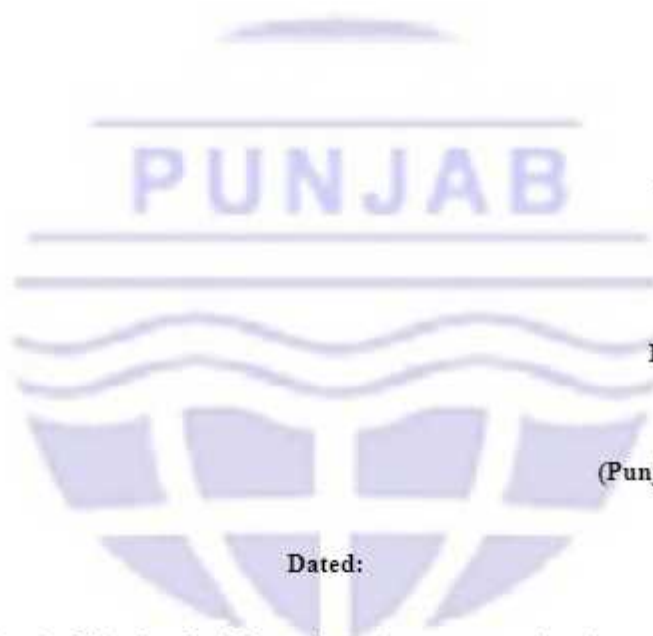
Consent to Operate Certificate No.	CTOA/Renewal/SAS/2023/22820333
Date of issue :	15/09/2023
Date of expiry :	31/03/2025
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Renewal/SAS/2023/20903242 From: 30/03/2023 To: 29/09/2023

2. Particulars of the Industry

Name & Designation of the Applicant	Sanjiv Anand, (Vice President)
Address of Industrial premises	Mahindra & Mahindra Limited (Fes)-swaraj Division Foundry, Village- Sialba Majri, Kharar, Sas Nagar-140110
Capital Investment of the Industry	23604.81 lakhs
Category of Industry	Red
Type of Industry	Automobile Manufacturing/assembly
Scale of the Industry	Large
Office District	Sas Nagar

All the term and conditions same as mentioned in the original consent no. CTOA/Renewal/SAS/2023/20903242 dated 30/3/2023, valid upto 29/9/2023 issued to the industry. This extension letter may be appended with the original consent letter issued to the industry and subsequent extensions letters with an additional condition as under:

1. The industry shall disposed off the black one sand to M/s Perfect International for reprocessing of the same and shall maintain the record in this regard.
2. The industry may also develop the vermicomposting/composting to manage the biodegradable solid waste. PP shall not throw, burn or bury any solid wastes in open, outside premises or in drain / water bodies.
3. The industry shall perform / promote its Corporate Environment Responsibility (CER) activities as well as use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic (See attached banner/circular).
4. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
5. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
6. The industry shall carry out awareness and activities for the themes / action points identified under Mission LiFE (Lifestyle for the Environment) by Ministry of Environment, Forests and Climate Change given at the website (<http://missionlife-moefcc.nic.in>).



15/09/2023

(Rajeew Gupta)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

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

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar. He shall visit the industry and verify the disposal of black burnt sand alongwith records and thereafter send the report with recommendations.

15/09/2023

(Rajeew Gupta)
Environmental Engineer

For & on behalf

of



Indicative list for activities to be considered for various Environment Care Programmes, social activities in the field of environment and eco-restoration of damages happened due to environmental violations including the activities to be carried out for utilizing environment compensation received from various stakeholders including industries.

It has been observed that the NGOs, Board, other Govt. organizations, education institutions, industries and other project proponents are carrying out various social activities for the abatement and control of pollution. PPCB is also funding various activities for betterment of environment. However, there is need for listing specified social activities to be carried out by various stakeholders. A draft list of such activities has been drawn with the inputs provided by the various stakeholders. However, a wider consultation is required before finalizing this list. The proposed activities to be included are as follows:

- a) Development of mini forests (Nanak Bagichi), urban forests, green belts, biodiversity parks etc., raising of avenue plantations and plantations in public/community areas/ educational institutions/Govt. buildings/banks of rivers/cantonment areas or any other land made available by the Govt. agencies and other institutions.
- b) Cleaning and rejuvenation of village ponds, water bodies, wetlands, storm drains etc. (treatment of village sewer pond using PPCB and other approved scientific models)

For rejuvenation of Ponds:

<https://ppcb.punjab.gov.in/sites/default/files/documents/Action-Plan-for-Rejuvenation-of-Ponds-31.03.20.pdf>

Guidelines for restoration of Water Bodies

<https://ppcb.punjab.gov.in/sites/default/files/documents/Indicative%20Guidelines%20for%20Restoration%20of%20Water%20Bodies%20by%20CPCB.pdf>

Technical Committee Report

<https://ppcb.punjab.gov.in/sites/default/files/documents/Report%20of%20Technical%20Committee%20For%20Treatment%20of%20Wastewater%20of%20Village%20Pond.pdf>

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Plastic containers leache toxins like **bisphenol-A (BPA)**, **Dioxins**, **thalates**, **Microplastics** into food and drink, which enter our bodies and then cause hormone disruption, cancers, infertility, neurological disorders etc.



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Alternates of Single Use Plastic



Use Cloth/Jute bags



Use steel/Glass/Ceramic Utensils



Use Bio-degradable material



Use cutlery made of leaf/bamboo etc



PUNJAB POLLUTION CONTROL BOARD

Vatavaran Bhawan, Nabha Road, Patiala

Phone : 0175-2227925, 2200557 Fax : 0175-2215636

Mission LIFE

A Way of Living based on Indian Environmental Traditions and Conservation Practices

Energy Saved

1. Switch off vehicle engines at red lights and railway crossings.
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5. Donate old clothes and books.
6. Set printer default to double-side printing.
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2. Plant medicinal plants such as neem, tulsi, giloy, mint, curry leaves, ashwagandha, curry leaves, etc., within household premises.
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8. Plant trees to reduce the impact of pollution.
9. Start biodiversity conservation at community level.





PUNJAB POLLUTION CONTROL BOARD

Zonal Office-I, Vatavaran Bhawan, Nabha Road, Patiala

Website:- www.ppcb.gov.in



Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: *R12SAS30839*

Application No : *22828079*

To,

Mr Rajesh Jejurikar
Sialba Majri, Tehsil Kharar
Mohali, Mohali-140110

Subject: Renewal of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act, 1974.

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

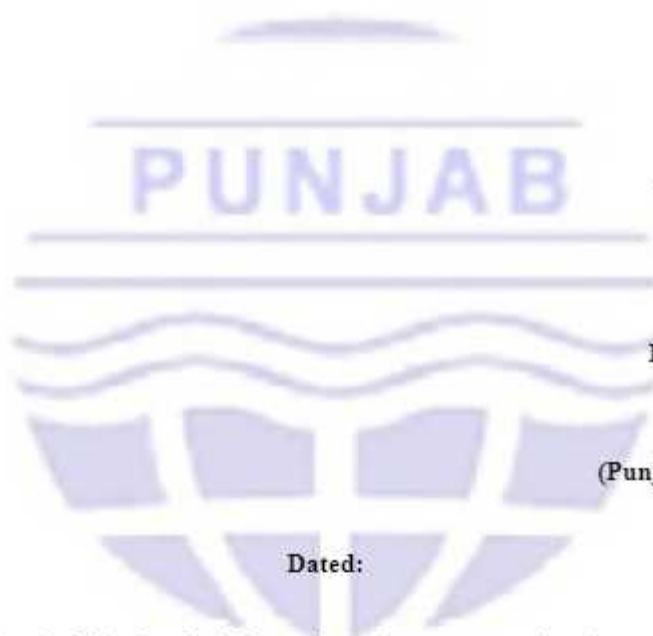
Consent to Operate Certificate No.	<i>CTOW/Renewal/SAS/2023/22828079</i>
Date of issue :	<i>15/09/2023</i>
Date of expiry :	<i>31/03/2025</i>
Certificate Type :	<i>Renewal</i>
Previous CTO No. & Validity :	<i>CTOW/Renewal/SAS/2023/20905851</i> <i>From: 30/03/2023 To: 29/09/2023</i>

2. Particulars of the Industry

Name & Designation of the Applicant	<i>Sanjiv Anand, (Vice President)</i>
Address of Industrial premises	<i>Mahindra & Mahindra Limited (Fes)-swaraj Division Foundry, Village- Sialba Majri, Kharar, Sas Nagar-140110</i>
Capital Investment of the Industry	<i>23604.81 lakhs</i>
Category of Industry	<i>Red</i>
Type of Industry	<i>Automobile Manufacturing/assembly</i>
Scale of the Industry	<i>Large</i>
Office District	<i>Sas Nagar</i>

All the term and conditions same as mentioned in the original consent no. CTOW/Renewal/SAS/2023/20905851 dated 30/3/2023, valid upto 29/9/2023 issued to the industry. This extension letter may be appended with the original consent letter issued to the industry and subsequent extensions letters with an additional condition as under:

1. The industry shall disposed off the black one sand to M/s Perfect International for reprocessing of the same and shall maintain the record in this regard.
2. The industry may also develop the vermicomposting/composting to manage the biodegradable solid waste. PP shall not throw, burn or bury any solid wastes in open, outside premises or in drain / water bodies.
3. The industry shall perform / promote its Corporate Environment Responsibility (CER) activities as well as use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic (See attached banner/circular).
4. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
5. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
6. The industry shall carry out awareness and activities for the themes / action points identified under Mission LiFE (Lifestyle for the Environment) by Ministry of Environment, Forests and Climate Change given at the website (<http://missionlife-moefcc.nic.in>).



15/09/2023

(Rajeew Gupta)
Environmental Engineer

For & on behalf
of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

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

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar. He shall visit the industry and verify the disposal of black burnt sand alongwith records and thereafter send the report with recommendations.

15/09/2023

(Rajeew Gupta)
Environmental Engineer

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(Punjab Pollution Control Board)



Indicative list for activities to be considered for various Environment Care Programmes, social activities in the field of environment and eco-restoration of damages happened due to environmental violations including the activities to be carried out for utilizing environment compensation received from various stakeholders including industries.

It has been observed that the NGOs, Board, other Govt. organizations, education institutions, industries and other project proponents are carrying out various social activities for the abatement and control of pollution. PPCB is also funding various activities for betterment of environment. However, there is need for listing specified social activities to be carried out by various stakeholders. A draft list of such activities has been drawn with the inputs provided by the various stakeholders. However, a wider consultation is required before finalizing this list. The proposed activities to be included are as follows:

- a) Development of mini forests (Nanak Bagichi), urban forests, green belts, biodiversity parks etc., raising of avenue plantations and plantations in public/community areas/ educational institutions/Govt. buildings/banks of rivers/cantonment areas or any other land made available by the Govt. agencies and other institutions.
- b) Cleaning and rejuvenation of village ponds, water bodies, wetlands, storm drains etc. (treatment of village sewer pond using PPCB and other approved scientific models)

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Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTI/ENV/280623/000209

276

Dated : 13/07/23

TEST REPORT

Sample Registration No. : PBTI/ENV/280623/000209
Sample code given by customer : APCD No. 10, Re-Shot Blast

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 28/06/2023 at 11:50am
Date & Time of Sample Receipt in Lab : 28/06/2023 at 3:30pm
Sample Identification No. : PBTI/050723/01, dt. 28.06.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : **Stack Emission Monitoring**
Type of Sample : APCD No. 10, Re-Shot Blast
Point of Sample Collection : Port Hole on Stack After APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTi (Mr. Arvinder) as per APHA guidelines
Test Start Date : 30/06/2023
Test Completion Date : 05/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTi, Mohali

5/7/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst



Dated :

Sample Registration No. : PBTI/ENV/280623/000209
Sample code given by customer : APCD No. 10, Re-Shot Blast

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	4.1	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	--	26	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

Atulya
15/7/2023

Authorized Signatory
Punjab Biotechnology Incubator Lab





Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - Gol



No.PBTI/ENV/280623/000210

1277

Dated : 13/07/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/280623/000210
Sample code given by customer : APCD No. 16, Re-Shot Blast

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023
Date & Time of Sample Collection : 28/06/2023 at 12:40pm
Date & Time of Sample Receipt in Lab : 28/06/2023 at 3:30pm
Sample Identification No. : PBTI/050723/02, dt. 28.06.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : APCD No. 16, Re-Shot Blast
Point of Sample Collection : Port Hole on Stack After APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTi (Mr. Arvinder) as per APHA guidelines
Test Start Date : 30/06/2023
Test Completion Date : 05/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTi, Mohali

13/07/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Note:

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2. There is no addition, deviation or exclusion from the method mentioned.
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4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Format No : PBTI/F/7.8/06
Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst



Dated :

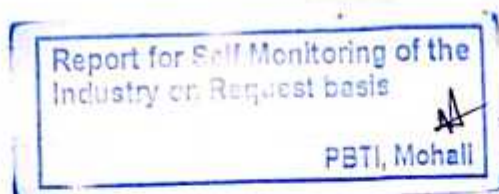
Sample Registration No. : PBTI/ENV/280623/000210
Sample code given by customer : APCD No. 16, Re-Shot Blast

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	5.7	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	—	27	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

[Signature]
5 Feb 2023

Authorized Signatory
Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI

No.PBTI/ENV/280623/000211 | 278

Dated : 13/07/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/280623/000211
Sample code given by customer : APCD No. 9, Re-Shot Blast

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023
Date & Time of Sample Collection : 28/06/2023 at 1:40pm
Date & Time of Sample Receipt in Lab : 28/06/2023 at 3:30pm
Sample Identification No. : PBTI/050723/03, dt. 28.06.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : APCD No. 9, Re-Shot Blast
Point of Sample Collection : Port Hole on Stack After APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr. Arvinder) as per APHA guidelines
Test Start Date : 30/06/2023
Test Completion Date : 05/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Note:

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Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

Page No. 1/2

Dated :

Sample Registration No. : PBTI/ENV/280623/000211
Sample code given by customer : APCD No. 9, Re-Shot Blast

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	3.3	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	28	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

Authorized Signatory

Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI

No.PBTIENV/040723/000235

281

Dated : 13/07/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000235

Sample code given by customer : APCD No-02

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023

Date & Time of Sample Collection : 04/07/2023 at 12:00 Noon

Date & Time of Sample Receipt in Lab : 04/07/2023 at 2:30pm

Sample Identification No. : PBTI/040723/04, dt. 04.07.23

Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,

Name/Nature of sample : Stack Emission Monitoring

Type of Sample : Core knock /out

Point of Sample Collection : Port Hole on Stack after APCD

Condition of the sample on Receipt : Intact coded sample

Qty/Pkg. : As per standard method

Sampling Method : Sample drawn by PBTI (Mr.Jitender) as per APHA guidelines

Test Start Date : 05/07/2023

Test Completion Date : 12/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Note:

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Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst



Dated :

Sample Registration No. : PBTI/ENV/040723/000235

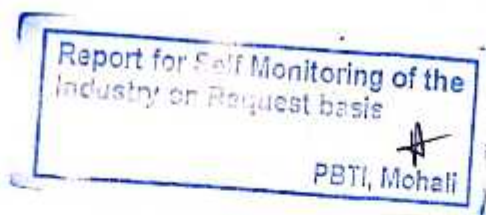
Sample code given by customer : APCD No-02

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	9.8	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	—	29	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

[Signature]
12 Feb 2023
Authorized Signatory

Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - Gol

No.PBTI/ENV/040723/000236

282

Dated : 13/07/23

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000236
Sample code given by customer : APCD No-03

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 04/07/2023 at 2:00pm
Date & Time of Sample Receipt in Lab : 04/07/2023 at 2:30pm
Sample Identification No. : PBTI/040723/05, dt. 04.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : Sand Cooler
Point of Sample Collection : Port Hole on Stack after APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr.Jitender) as per APHA guidelines
Test Start Date : 05/07/2023
Test Completion Date : 12/07/2023

Report for Emission Monitoring of the
Industry on Request basis

PBTI, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

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Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

Page No. 1/2



Dated :

Sample Registration No. : PBTI/ENV/040723/000236
Sample code given by customer : APCD No-03

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	9	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	27	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

12 Feb 2023
Authorized Signatory

Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

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No.PBTIENV/040723/000237

283

Dated : 13/07/23

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000237
Sample code given by customer : APCD No-01 (Melting APCD-Old furnace)

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 04/07/2023 at 11:30am
Date & Time of Sample Receipt in Lab : 04/07/2023 at 2:30pm
Sample Identification No. : PBTI/040723/06 dt. 04.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : APCD No-01 (Melting APCD-Old furnace)
Point of Sample Collection : Port Hole on Stack after APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr.Jitender) as per APHA guidelines
Test Start Date : 05/07/2023
Test Completion Date : 12/07/2023

Report for Stack Monitoring of the
Industry on Request basis

PBTI, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Note:

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Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbt-lab.com | pbt-lab.com



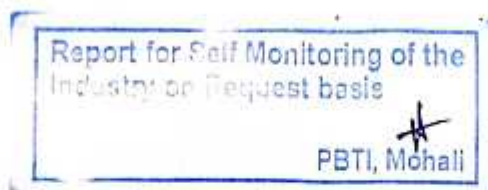
Dated :

Sample Registration No. : PBTI/ENV/040723/000237
Sample code given by customer : APCD No-01 (Melting APCD-Old furnace)

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	8.4	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	27	l/min	IS 11255 : 1985 (Part 1) (RA 2019)


Authorized Signatory
Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI

No.PBTIENV/040723/000238

Dated : 12/07/23

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000238
Sample code given by customer : APCD No-06 (New Sand Plant)

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 04/07/2023 at 12:50pm
Date & Time of Sample Receipt in Lab : 04/07/2023 at 2:30pm
Sample Identification No. : PBTI/040723/07 dt. 04.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : APCD No-06 (New Sand Plant)
Point of Sample Collection : Port Hole on Stack after APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr.Jitender) as per APHA guidelines
Test Start Date : 05/07/2023
Test Completion Date : 12/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 16

Note:

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Format No : PBTI/F/7.8/06
Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst




Dated :

Sample Registration No. : PBTI/ENV/040723/000238
Sample code given by customer : APCD No-06 (New Sand Plant)


Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	7.8	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	—	25	l/min	IS 11255 : 1985 (Part 1) (RA 2019)


12/7/2023
Authorized Signatory

Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis


PBTI, Mohali



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

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No.PBTI/ENV/170723/000278

347

Dated : 27/07/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/170723/000278
Sample code given by customer : APCD No-23 HPML Sand Plant

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 17/07/2023 at 11:30am
Date & Time of Sample Receipt in Lab : 17/07/2023 at 5:30pm
Sample Identification No. : PBTI/050723/05, dt. 17.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : APCD No-23 HPML Sand Plant
Point of Sample Collection : Port Hole on Stack after APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTi (Mr.Arinder) as per APHA guidelines
Test Start Date : 18/07/2023
Test Completion Date : 25/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTi, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 12

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Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, [/pbt_dst](#)



Dated :

Sample Registration No. : PBTI/ENV/170723/000278
Sample code given by customer : APCD No-23 HPML Sand Plant

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	2.1	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	22	l/min	IS 11255 : 1985 (Part 1) (RA 2019)


27.07.23

Authorized Signatory
Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis


PBTI, Mohali

Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTI/ENV/170723/000279

348

Dated : 27/07/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/170723/000279
Sample code given by customer : APCD No-24 HPML Shake Out

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 17/07/2023 at 12:40pm
Date & Time of Sample Receipt in Lab : 17/07/2023 at 5:30pm
Sample Identification No. : PBTI/050723/06, dt. 17.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : APCD No-24 HPML Shake Out
Point of Sample Collection : Port Hole on Stack after APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr.Arinder) as per APHA guidelines
Test Start Date : 18/07/2023
Test Completion Date : 25/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 12

Note:

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Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst

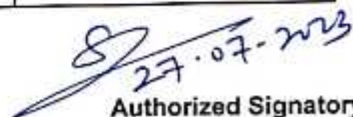


Dated :

Sample Registration No. : PBTI/ENV/170723/000279
Sample code given by customer : APCD No-24 HPML Shake Out

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	2.4	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	22	l/min	IS 11255 : 1985 (Part 1) (RA 2019)


27.07.2023

Authorized Signatory
Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTIENV/170723/000280

349

Dated : 27/07/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/170723/000280
Sample code given by customer : APCD No-25 Sand Cooler HPML

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 17/07/2023 at 1:30pm
Date & Time of Sample Receipt in Lab : 17/07/2023 at 5:30pm
Sample Identification No. : PBTI/050723/07, dt. 17.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : APCD No-25 Sand Cooler HPML
Point of Sample Collection : Port Hole on Stack after APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr.Arinder) as per APHA guidelines
Test Start Date : 18/07/2023
Test Completion Date : 25/07/2023

Report for Self Monitoring of the
Industry

Signature of Authorized Signatory

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 12

Note:

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5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

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National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst



Dated :

Sample Registration No. : PBTI/ENV/170723/000280
Sample code given by customer : APCD No-25 Sand Cooler HPML

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	2.2	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	22	l/min	IS 11255 : 1985 (Part 1) (RA 2019)


27.07.2023

Authorized Signatory
Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis


PBTI InChall



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

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No.PBTI/ENV/200723/000304

341

Dated : 26/07/23

TEST REPORT

Sample Registration No. : PBTI/ENV/200723/000304
Sample code given by customer : APCD N0-27

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 18/07/2023 at 12:30pm
Date & Time of Sample Receipt in Lab : 20/07/2023 at 4:00pm
Sample Identification No. : PBTI/110723/09, dt. 18.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : Shot blast M/C no-5
Point of Sample Collection : Port Hole on Stack after APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTi (Mr. Jitender) as per APHA guidelines
Test Start Date : 21/07/2023
Test Completion Date : 25/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTi Mohali

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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26.07.2023
Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 12

Format No : PBTI/F/7.8/06
Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst



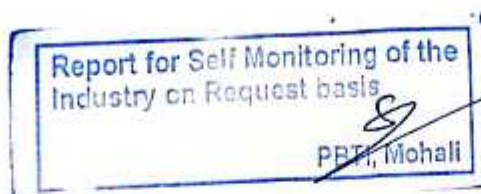
Dated :

Sample Registration No. : PBTI/ENV/200723/000304
Sample code given by customer : APCD N0-27

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	5.2	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	28	l/min	IS 11255 : 1985 (Part 1) (RA 2019)


26.07.2023
Authorized Signatory
Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

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Notified State Analytical Agency

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No.PBTI/ENV/200723/000305

312

Dated : 26/07/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/200723/000305
Sample code given by customer : APCD N0-21

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt 04/06/2023
Date & Time of Sample Collection : 18/07/2023 at 2:00pm
Date & Time of Sample Receipt in Lab : 20/07/2023 at 4:00pm
Sample Identification No. : PBTI/110723/10, dt. 18.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : Melting F/c-New 1 & 2
Point of Sample Collection : Port Hole on Stack without APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr.Jitender) as per APHA guidelines
Test Start Date : 21/07/2023
Test Completion Date : 25/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI Mohali

26.07.2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 12

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
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Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

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National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst



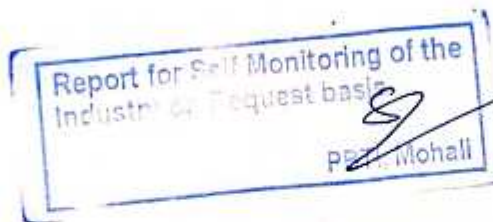
Dated :

Sample Registration No. : PBTI/ENV/200723/000305
Sample code given by customer : APCD N0-21

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	6.4	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	—	29	l/min	IS 11255 : 1985 (Part 1) (RA 2019)


26.07.2023
Authorized Signatory
Punjab Biotechnology Incubator Lab





Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTI/ENV/040723/000232

270

Dated : 12/07/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000232
Sample code given by customer : APCD N0-7 (Sand Drier)

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023
Date & Time of Sample Collection : 03/07/2023 at 10:32am
Date & Time of Sample Receipt in Lab : 03/07/2023 at 4:00pm
Sample Identification No. : PBTI/050723/4, dt. 03.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Stack Emission Monitoring
Type of Sample : APCD N0-7 (Sand Drier)
Point of Sample Collection : Port Hole on Stack after APCD
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr. Arvinder) as per APHA guidelines
Test Start Date : 04/07/2023
Test Completion Date : 12/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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Revision No. 00 & 25.04.2019

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National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst



Dated :

Sample Registration No. : PBTI/ENV/040723/000232
Sample code given by customer : APCD N0-7 (Sand Drier)

Test Results

S.No.	Parameter	General Emission Standards as per CPCB Guidelines	Results	Units	Test Method
1	Particulate Matter (PM)	150 mg/Nm ³ , Max	10.8	mg/Nm ³	IS 11255 : 1985 (Part 1) (RA 2019)
2	Flow Rate	---	25	l/min	IS 11255 : 1985 (Part 1) (RA 2019)

[Signature]
12 Feb 2023
Authorized Signatory

Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis

[Signature]
PBTI, Mohali



Punjab Biotechnology Incubator

Annexure - 4

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - Govt.



No.PBTIENV/170723/000281

Dated: 7/08/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/170723/000281

Sample code given by customer : Fire Hydrant

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary

V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011

Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 340050989, dt. 04/06/2023

Date & Time of Sample Collection : 14/07/2023 To 15/07/2023 at 9:00am to 9:00am

Date & Time of Sample Receipt in Lab : 17/07/2023 at 5:30pm

Sample Identification No. : PBTI/070723/01, dt. 14.07.23 & 15.07.23

Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division, Foundary, Sialba Majri, Teh-kharar

Name/Nature of sample : Ambient Air Monitoring

Type of Sample : NA

Point of Sample Collection : Fire Hydrant

Condition of the sample on Receipt : Intact coded sample

Qty/Pkg. : As per standard method

Sampling Method : Sample drawn by PBTi (Mr. Dearghayu) as per CPCB & PPCB guidelines

Test Start Date : 18/07/2023

Test Completion Date : 07/08/2023

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
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Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Format No : PBTI/F/7.8A06

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_i_dst

Dated :

Sample Registration No. : PBT/ENV/170723/000281
Sample code given by customer : Fire Hydrant

Test Results

S.No.	Parameter	NAAQS CPCB 2009 (Only For Guideline purpose)	Results	Units	Test Method
1	Sulphur Dioxide (SO ₂)	Max 80	BDL (MDL:4)	µg/m ³	IS 5182 (Part 2): 2001
2	Nitrogen Dioxide (NO ₂)	Max 80	28.7	µg/m ³	IS 5182 (Part 6) : 2006
3	Particulate Matter size < 10 µm or (PM 10)	Max 100	28.4	µg/m ³	IS 5182 (Part 23) : 2006
4	Particulate Matter size < 2.5 µm or (PM 2.5)	Max 60	64.5	µg/m ³	IS 5182 (Part 24) : 2019
5	Ozone (O ₃)	Max 100	BDL (MDL:20)	µg/m ³	IS 5182 (Part 9) : 1974
6	Lead (as Pb)	Max 1.0	BDL(MDL 0.5)	µg/m ³	APHA Air
7	Carbon monoxide (CO)	Max 2.0	BDL(MDL 1.15)	mg/m ³	IS 5182 Part 10: 1999
8	Ammonia (NH ₃)	Max 400	17.8	µg/m ³	IS 5182 (Part 25) : 2018
9	Benzene	Max 5.0	BDL (MDL : 2.5)	µg/m ³	IS 5182 (Part 11) : 2006
10	Benzo(a)pyrene (BaP)	Max 1.0	BDL (MDL : 1)	ng/m ³	IS 5182 (Part 12) : 2004
11	Arsenic (As)	Max 6.0	BDL(MDL 3.0)	ng/m ³	APHA Air
12	Nickel (as Ni)	Max 20.0	BDL(MDL 10)	ng/m ³	APHA Air

BDL:Below Detection Limit

MDL:Method Detection Limit

Authorized Signatory
Punjab Biotechnology Incubator Lab

Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTIENV/170723/000282

Dated : 7/08/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/170723/000282
Sample code given by customer : STP Area

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023
Date & Time of Sample Collection : 14/07/2023 To 15/07/2023 at 9:30am to 9:30am
Date & Time of Sample Receipt in Lab : 17/07/2023 at 5:30pm
Sample Identification No. : PBTI/070723/02, dt. 14.07.23 & 15.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division, Foundary, Sialba Majri, Teh-kharar
Name/Nature of sample : Ambient Air Monitoring
Type of Sample : NA
Point of Sample Collection : STP Area
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr. Deerghayu) as per CPCB & PPCB guidelines
Test Start Date : 18/07/2023
Test Completion Date : 07/08/2023

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
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17/08/2023
Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst

Dated :

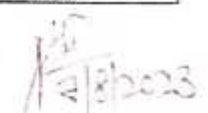
Sample Registration No. : PBT/ENV/170723/000282
Sample code given by customer : STP Area

Test Results

S.No.	Parameter	NAAQS CPCB 2009 (Only For Guideline purpose)	Results	Units	Test Method
1	Sulphur Dioxide (SO ₂)	Max 80	BDL(MDL 4)	µg/m ³	IS 5182 (Part 2):2001
2	Nitrogen Dioxide (NO ₂)	Max 80	33.2	µg/m ³	IS 5182 (Part 6) : 2006
3	Particulate Matter size < 10 µm or (PM 10)	Max 100	106	µg/m ³	IS 5182 (Part 23) : 2006
4	Particulate Matter size < 2.5 µm or (PM 2.5)	Max 60	90	µg/m ³	IS 5182 (Part 24) : 2019
5	Ozone (O ₃)	Max 100	BDL(MDL 20)	µg/m ³	IS 5182 (Part 9) :1974
6	Lead (as Pb)	Max 1.0	BDL(MDL 0.5)	µg/m ³	APHA Air
7	Carbon monoxide (CO)	Max 2.0	BDL(MDL 1.15)	mg/m ³	IS 5182 Part 10:1999
8	Ammonia (NH ₃)	Max 400	22.7	µg/m ³	IS 5182 (Part 25) : 2018
9	Benzene	Max 5.0	BDL(MDL 2.5)	µg/m ³	IS 5182 (Part 11) : 2006
10	Benzo(a)pyrene (BaP)	Max 1.0	BDL(MDL 1)	ng/m ³	IS 5182 (Part 12) : 2004
11	Arsenic (As)	Max 6.0	BDL(MDL 3)	ng/m ³	APHA Air
12	Nickel (as Ni)	Max 20.0	BDL(MDL 10)	ng/m ³	APHA Air

BDL:Below Detection Limit

MDL:Method Detection Limit


Authorized Signatory
Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTI/ENV/200723/000318

Dated : 08/08/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/200723/000318

Sample code given by customer : 66KVA Control room

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary

V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011

Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023

Date & Time of Sample Collection : 17/07/2023 To 18/07/2023 at 11:00am to 11:15am

Date & Time of Sample Receipt in Lab : 20/07/2023 at 4:00pm

Sample Identification No. : PBTI/070723/03, dt. 17.07.23 & 18.07.23

Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division, Foundary, Sialba Majri, Teh-kharar

Name/Nature of sample : Ambient Air Monitoring

Type of Sample : NA

Point of Sample Collection : 66KVA Control room

Condition of the sample on Receipt : Intact coded sample

Qty/Pkg. : As per standard method

Sampling Method : Sample drawn by PBTI (Mr. Deerghayu) as per CPCB & PPCB guidelines

Test Start Date : 20/07/2023

Test Completion Date : 08/08/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Note:

1. The above results pertain only to the sample tested.
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Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

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Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst



Dated :

Sample Registration No. : PBT/ENV/200723/000318
Sample code given by customer : 66KVA Control room

Test Results

S.No.	Parameter	NAAQS CPCB 2009 (Only For Guideline purpose)	Results	Units	Test Method
1	Sulphur Dioxide (SO ₂)	Max 80	BDL(MDL:4)	µg/m ³	IS 5182 (Part 2):2001
2	Nitrogen Dioxide (NO ₂)	Max 80	26.3	µg/m ³	IS 5182 (Part 6) : 2006
3	Particulate Matter size < 10 µm or (PM 10)	Max 100	67.1	µg/m ³	IS 5182 (Part 23) : 2006
4	Particulate Matter size < 2.5 µm or (PM 2.5)	Max 60	33.3	µg/m ³	IS 5182 (Part 24) : 2019
5	Ozone (O ₃)	Max 100	BDL(MDL:20)	µg/m ³	IS 5182 (Part 9) :1974
6	Lead (as Pb)	Max 1.0	BDL(MDL 0.5)	µg/m ³	APHA Air
7	Carbon monoxide (CO)	Max 2.0	BDL(MDL:1.15)	mg/m ³	IS 5182 Part 10:1999
8	Ammonia (NH ₃)	Max 400	14.3	µg/m ³	IS 5182 (Part 25) : 2018
9	Benzene	Max 5.0	BDL (MDL : 2.5)	µg/m ³	IS 5182 (Part 11) : 2006
10	Benzo(a)pyrene (BaP)	Max 1.0	BDL (MDL : 1.0)	ng/m ³	IS 5182 (Part 12) : 2004
11	Arsenic (As)	Max 6.0	BDL(MDL 3.0)	ng/m ³	APHA Air
12	Nickel (as Ni)	Max 20.0	BDL(MDL 10)	ng/m ³	APHA Air

BDL:Below Detection Limit

MDL:Method Detection Limit

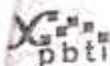
8/8/2023
Authorized Signatory
Punjab Biotechnology Incubator Lab

Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency



Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTIENV/200723/000319

Dated : 08/08/2023

TEST REPORT

Sample Registration No. : PBTI/ENV/200723/000319
Sample code given by customer : Backside Utility

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023
Date & Time of Sample Collection : 17/07/2023 To 18/07/2023 at 9:30 am to 9:30am
Date & Time of Sample Receipt in Lab : 20/07/2023 at 4:00pm
Sample Identification No. : PBTI/100723/01, dt. 17.07.23 & 18.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division, Foundary, Sialba Majri, Teh-kharar
Name/Nature of sample : Ambient Air Monitoring
Type of Sample : NA
Point of Sample Collection : Backside Utility
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTi (Mr. Deerghayu) as per CPCB & PPCB guidelines
Test Start Date : 20/07/2023
Test Completion Date : 08/08/2023

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Format No : PBTI/F/7.8/06

Revision No. 00 & 25.04.2019

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National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst



Dated : -

Sample Registration No. : PBT/ENV/200723/000319
Sample code given by customer : Backside Utility

Test Results

S.No.	Parameter	NAAQS CPCB 2009 (Only For Guideline purpose)	Results	Units	Test Method
1	Sulphur Dioxide (SO ₂)	Max 80	BDL(MDL:4)	µg/m ³	IS 5182 (Part 2):2001
2	Nitrogen Dioxide (NO ₂)	Max 80	31.6	µg/m ³	IS 5182 (Part 6) : 2006
3	Particulate Matter size < 10 µm or (PM 10)	Max 100	37.5	µg/m ³	IS 5182 (Part 23) : 2006
4	Particulate Matter size < 2.5 µm or (PM 2.5)	Max 60	39.2	µg/m ³	IS 5182 (Part 24) : 2019
5	Ozone (O ₃)	Max 100	BDL(MDL:20)	µg/m ³	IS 5182 (Part 9) :1974
6	Lead (as Pb)	Max 1.0	BDL(MDL 0.5)	µg/m ³	APHA Air
7	Carbon monoxide (CO)	Max 2.0	BDL(MDL:1.15)	mg/m ³	IS 5182 Part 10:1999
8	Ammonia (NH ₃)	Max 400	12.1	µg/m ³	IS 5182 (Part 25) : 2018
9	Benzene	Max 5.0	BDL (MDL : 2.5)	µg/m ³	IS 5182 (Part 11) : 2006
10	Benzo(a)pyrene (BaP)	Max 1.0	BDL (MDL : 1.0)	ng/m ³	IS 5182 (Part 12) : 2004
11	Arsenic (As)	Max 6.0	BDL(MDL 3.0)	ng/m ³	APHA Air
12	Nickel (as Ni)	Max 20.0	BDL(MDL 10)	ng/m ³	APHA Air

BDL:Below Detection Limit

MDL:Method Detection Limit

3/8/2023
Authorized Signatory

Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

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No.PBTIENV/200723/000320

Dated :

TEST REPORT

Sample Registration No. : PBTI/ENV/200723/000320
Sample code given by customer : Maintenance Area

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400050989, dt. 04/06/2023
Date & Time of Sample Collection : 18/07/2023 at 10:00am to 3:30pm
Date & Time of Sample Receipt in Lab : 20/07/2023 at 4:00pm
Sample Identification No. : PBTI/070723/04, dt.18.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Work Zone Monitoring
Type of Sample : NA
Point of Sample Collection : Maintenance Area
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTi (Mr. Deerghayu) as per CPCB & PPCB guidelines
Test Start Date : 21/07/2023
Test Completion Date : 29/07/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 12

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab biotechnology incubator
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator
5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Format No : PBTI/F/7.8/04

Revision No. 00 & 25.04.2019

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National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst



Dated : -

Sample Registration No. : PBTII/ENV/200723/000320


Sample code given by customer : Maintenance Area

Test Results

S.No.	Parameter	Results	Units	Test Method
1	Particulate Matter (PM)	4.30	ug/m3	IS 5182 (Part 23):2006 RA 2022
2	Sulphur Dioxide (SO _x)	BDL(MDL:4)	µg/m3	IS 5182 (Part 2):2001 RA 2022
3	Nitrogen Dioxide (NO _x)	51.4	µg/m3	IS 5182 (Part 6):2006 RA 2022

BDL:Below Detection Limit

MDL:Method Detection Limit


08.08.2023
Authorized Signatory
Punjab Biotechnology Incubator Lab

Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - Govt



No.PBTIENV/200723/000321

Dated :

TEST REPORT

Sample Registration No. : PBTI/ENV/200723/000321
Sample code given by customer : Shot Blast MMTC

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400050089, dt. 04/06/2023
Date & Time of Sample Collection : 18/07/2023 at 10:20am to 3:50pm
Date & Time of Sample Receipt in Lab : 20/07/2023 at 4:00pm
Sample Identification No. : PBTI/070723/05 dt.18.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Work Zone Monitoring
Type of Sample : NA
Point of Sample Collection : Shot Blast MMTC
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr.Deerghayu) as per CPCB & PPCB guidelines
Test Start Date : 21/07/2023
Test Completion Date : 29/07/2023

Authorized Signatory

Punjab Biotechnology Incubator Ltd

Employee Code: 12

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. This report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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Format No : PBTI/F/7.8.04

Revision No. 00 & 25.04.2015

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

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Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst



Dated :

Sample Registration No. : PBT/ENV/200723/000321
Sample code given by customer : Shot Blast MMTC

Test Results

S.No.	Parameter	Results	Units	Test Method
1	Particulate Matter (PM)	11.75	ug/m3	IS 5182 (Part 23):2006 RA 2022
2	Sulphur Dioxide (SOx)	BDL(MDL:4)	µg/m3	IS 5182 (Part 2):2001 RA 2022
3	Nitrogen Dioxide (NOx)	48.1	µg/m3	IS 5182 (Part 6):2006 RA 2022

BDL:Below Detection Limit MDL:Method Detection Limit


08.08.2024
Authorized Signatory
Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

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No.PBTIENV/200723/000322

Dated : ..

TEST REPORT

Sample Registration No. : PBTI/ENV/200723/000322

Sample code given by customer : Lora Mandi

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023

Date & Time of Sample Collection : 18/07/2023 at 10:30am to 4:00pm

Date & Time of Sample Receipt in Lab : 20/07/2023 at 4:00pm

Sample Identification No. : PBTI/070723/06, dt. 18.07.23

Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,

Name/Nature of sample : Work Zone Monitoring

Type of Sample : NA

Point of Sample Collection : Lora Mandi

Condition of the sample on Receipt : Intact coded sample

Qty/Pkg. : As per standard method

Sampling Method : Sample drawn by PBTI (Mr. Deerghayu) as per CPCB & PPCB guidelines

Test Start Date : 21/07/2023

Test Completion Date : 29/07/2023

08.08.2023
Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 12

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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Format No : PBTI/F/7.8/04

Revision No. 00 & 25.04.2019

Page No. 1

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst



Dated :

Sample Registration No. : PBTI/ENV/200723/000322
Sample code given by customer : Lora Mandi

Test Results

S.No.	Parameter	Results	Units	Test Method
1	Particulate Matter (PM)	13.0	ug/m3	IS 5182 (Part 23):2006 RA 2022
2	Sulphur Dioxide (SOx)	BDL(MDL:4)	µg/m3	IS 5182 (Part 2):2001 RA 2022
3	Nitrogen Dioxide (NOx)	50.6	µg/m3	IS 5182 (Part 6):2006 RA 2022

BDL:Below Detection Limit

MDL:Method Detection Limit


02.08.2023
Authorized Signatory
Punjab Biotechnology Incubator Lab

Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

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No.PBTI/ENV/200723/000323

Dated :

TEST REPORT

Sample Registration No. : PBTI/ENV/200723/000323
Sample code given by customer : HPML Moulding

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/08/2023
Date & Time of Sample Collection : 18/07/2023 at 10:45am to 4:15pm
Date & Time of Sample Receipt in Lab : 20/07/2023 at 4:00pm
Sample Identification No. : PBTI/070723/07, dt. 18.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar.
Name/Nature of sample : Work Zone Monitoring
Type of Sample : NA
Point of Sample Collection : HPML Moulding
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr. Deerghayu) as per CPCB & PPCB guidelines
Test Start Date : 21/07/2023
Test Completion Date : 29/07/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 12

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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Format No : PBTI/F/7.8/04

Revision No. 00 & 25.04.2019

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National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst



Dated : "

Sample Registration No. : PBTI/ENV/200723/000323
Sample code given by customer : HPML Moulding

Test Results

S.No.	Parameter	Results	Units	Test Method
1	Particulate Matter (PM)	12.64	ug/m3	IS 5182 (Part 23):2006 RA 2022
2	Sulphur Dioxide (SOx)	BDL(MDL:4)	µg/m3	IS 5182 (Part 2):2001 RA 2022
3	Nitrogen Dioxide (NOx)	55.8	µg/m3	IS 5182 (Part 6):2006 RA 2022

BDL:Below Detection Limit

MDL:Method Detection Limit

02.08.2023
Authorized Signatory

Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

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No.PBTIENV/040723/000233

277

Dated : 13/07/23

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000233
Sample code given by customer : Core Shop

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023

Date & Time of Sample Collection : 03/07/2023 at 09:00am to 2:00pm

Date & Time of Sample Receipt in Lab : 03/07/2023 at 4:00pm

Sample Identification No. : PBTI/080723/01, dt.03.07.23

Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,

Name/Nature of sample : Work Zone Monitoring

Type of Sample : NA

Point of Sample Collection : Core Shop

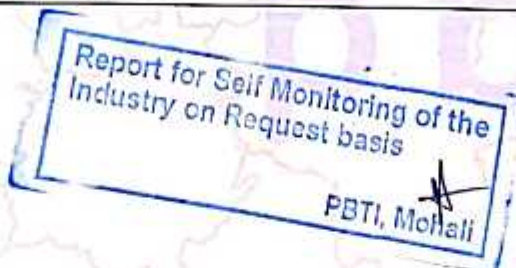
Condition of the sample on Receipt : Intact coded sample

Qty/Pkg. : As per standard method

Sampling Method : Sample drawn by PBTI (Mr. Deerghayu) as per CPCB & PPCB guidelines

Test Start Date : 04/07/2023

Test Completion Date : 12/07/2023



12/7/2023
Authorized Signatory

Punjab Biotechnology Incubator Lab
Employee Code: 16

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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Format No : PBTI/F/7.8/04
Revision No. 00 & 25.04.2019

Page No. 1/2



Dated :

Sample Registration No. : PBTI/ENV/040723/000233
Sample code given by customer : Core Shop

Test Results

S.No.	Parameter	Results	Units	Test Method
1	Particulate Matter (PM)	4.02	ug/m3	IS 5182 (Part 23):2006 RA 2022
2	Sulphur Dioxide (SO _x)	BDL(MDL:4)	µg/m3	IS 5182 (Part 2):2001 RA 2022
3	Nitrogen Dioxide (NO _x)	44.6	µg/m3	IS 5182 (Part 6):2006 RA 2022

BDL:Below Detection Limit

MDL:Method Detection Limit

[Signature]
12/7/2023

Authorized Signatory

Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis

[Signature]
PBTI, Mohali



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

Notified State Analytical Agency

Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBT/ENV/040723/000234

280

Dated : 13/07/2023

TEST REPORT

Sample Registration No. : PBT/ENV/040723/000234
Sample code given by customer : Pattern shop

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023
Date & Time of Sample Collection : 03/07/2023 at 09:30am to 2:30pm
Date & Time of Sample Receipt in Lab : 03/07/2023 at 4:00pm
Sample Identification No. : PBT/080723/02, dt.03.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Work Zone Monitoring
Type of Sample : NA
Point of Sample Collection : Pattern shop
Condition of the sample on Receipt : Intact coded sample
Qty/Pkg. : As per standard method
Sampling Method : Sample drawn by PBTI (Mr. Deerghayu) as per CPCB & PPCB guidelines
Test Start Date : 04/07/2023
Test Completion Date : 12/07/2023

Report for Soil Monitoring of the
Industry on Request basis

PBTI, Mohali

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 16

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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Format No : PBTI/F/7.8/04
Revision No. 00 & 25.04.2019

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National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst

Dated :

Sample Registration No. : PBTI/ENV/040723/000234
Sample code given by customer : Pattern shop

Test Results

S.No.	Parameter	Results	Units	Test Method
1	Particulate Matter (PM)	5.46	ug/m3	IS 5182 (Part 23):2006 RA 2022
2	Sulphur Dioxide (SOx)	BDL(MDL:4)	µg/m3	IS 5182 (Part 2):2001 RA 2022
3	Nitrogen Dioxide (NOx)	45.7	µg/m3	IS 5182 (Part 6):2006 RA 2022

BDL:Below Detection Limit

MDL:Method Detection Limit

[Signature]
12/7/2023
Authorized Signatory

Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis

[Signature]
PBTI, Mohali



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

An NABL Accredited State Analytical Agency

Annexure - 6



BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTIENV/040723/000222

1290

Dated : 13/07/2023

ULR : TC611723000001945F

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000222

Sample code given by customer : Submersible No-1

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No.3400650989,dt. 04/06/2023

Date & Time of Sample Collection : 04/07/2023 at 10:30am

Date & Time of Sample Receipt in Lab : 04/07/2023 at 2:30pm

Sample Identification No. : PBTI/030723/06,dt.04.07.23

Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division, Foundary, Sialba Majri

Name/Nature of sample : Ground Water

Type of Sample : Grab

Point of Sample Collection : Submersible No-1

Condition of the sample on Receipt : Intact coded sample under refrigerated & preserved conditions

Qty/Pkg. : 2.5L approx. in plastic cans & glass bottles

Sampling Method : Sample drawn by PBTi (Mr.Jitender) as per APHA guidelines

Test Start Date : 05/07/2023

Test Completion Date : 13/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTi, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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Format No : PBTI/F/7.8/04

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

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Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst



Dated :

ULR : TC611723000001945F

Sample Registration No. : PBTI/ENV/040723/000222

Sample code given by customer : Submersible No-1

Test Results

S.No.	Parameter	Results	Units	Test Method
1	pH	7.48		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	2.8	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	373	mg/l	IS 3025 (Part 16) :2023
4	Biochemical Oxygen Demand (BOD3 at 27oC)	<1	mg/l	IS 3025 (Part 44) : 2023
5	Chemical Oxygen Demand (COD) Total	5.6	mg/l	IS 3025 (Part 58) 2006
6	Chloride (as Cl)	9	mg/l	IS 3025 (Part 32) 1988
7	Sulphate (as SO4)	4	mg/l	IS 3025 (Part 24) Sec 1 2022

[Signature]
13/7/2023
Authorized Signatory

Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

A Component of Knowledge City, Mohali

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Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI

No.PBTIENV/040723/000223

29)

Dated : 13/07/2023

UI R : TC611723000001946F

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000223
Sample code given by customer : Submersible No-2

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No.3400650989,dt. 04/06/2023
Date & Time of Sample Collection : 04/07/2023 at 10:15am
Date & Time of Sample Receipt in Lab : 04/07/2023 at 2:30pm
Sample Identification No. : PBTI/030723/07,dt.04.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division, Foundary, Sialba Majri
Name/Nature of sample : Ground Water
Type of Sample : Grab
Point of Sample Collection : Submersible No-2
Condition of the sample on Receipt : Intact coded sample under refrigerated & preserved conditions
Qty/Pkg. : 2.5L approx. in plastic cans & glass bottles
Sampling Method : Sample drawn by PBTI (Mr.Jitender) as per APHA guidelines
Test Start Date : 05/07/2023
Test Completion Date : 13/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Note:

1. The above results pertain only to the sample tested.
2. There is no addition, deviation or exclusion from the method mentioned.
3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 16

Format No : PBTI/F/7.8/04
Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst

Dated :

ULR : TC611723000001946F

Sample Registration No. : PBTI/ENV/040723/000223

Sample code given by customer : Submersible No-2

Test Results

S.No.	Parameter	Results	Units	Test Method
1	pH	7.42		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	5.7	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	356	mg/l	IS 3025 (Part 16) :2023
4	Biochemical Oxygen Demand (BOD3 at 27oC)	<1	mg/l	IS 3025 (Part 44) : 2023
5	Chemical Oxygen Demand (COD) Total	4.8	mg/l	IS 3025 (Part 58) 2006
6	Chloride (as Cl)	10.5	mg/l	IS 3025 (Part 32) 1988
7	Sulphate (as SO4)	5.0	mg/l	IS 3025 (Part 24) Sec 2022

Authorized Signatory

Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

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BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No.PBTIFA0/280623/001569

1987

Dated : 14/07/2023

ULR : TC611723000001926F

TEST REPORT

Sample Registration No. : PBTIFA0/280623/001569
Sample code given by customer : Borewell No-1, Backside Utility

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No. 3400650989, dt. 04/06/2023
Date & Time of Sample Collection : 28/06/2023 at 1:35pm
Date & Time of Sample Receipt in Lab : 28/06/2023 at 3:30pm
Sample Identification No. : PBTI/280623/03, dt. 28.06.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division- Foundary, V & PO Sialbamajri, Kharar,
Name/Nature of sample : Ground Water
Type of Sample : Grab
Point of Sample Collection : From tubewell
Condition of the sample on Receipt : Intact coded sample under refrigerated and preserved conditions
Qty/Pkg. : 4.5L approx in plastic and glass bottles
Sampling Method : Sample drawn by PBTI (Mr. Deerghayu) as per APHA guidelines
Test Start Date : 28/06/2023
Test Completion Date : 10/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

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Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbtlabs.com, /pbt_dst

Dated :

ULR : TC611723000001926F

Sample Registration No.

: PBTI/FA0/280623/001569

Sample code given by customer

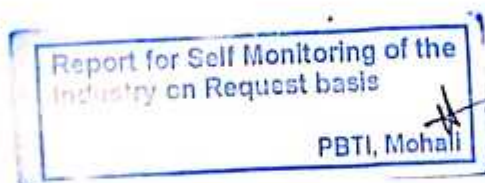
: Borewell No-1, Backside Utility

Test Results

S.No.	Parameter	Results	Units	Test Method
1	Color	BDL(MDL:1)	Hazen	IS 3025 (Part 4) : 2021
2	Odour	Agreeable		IS 3025 (Part 5) : 2018
3	pH	8.00		IS 3025 (Part 11) : 2022
4	Turbidity	BDL(MDL:0.5)	NTU	IS 3025 (Part 10) 1984
5	Total Dissolved Solids (TDS)	375	mg/l	IS 3025 (Part 16) 1984
6	Chloride (as Cl)	10.5	mg/l	IS 3025 (Part 32) : 1988
7	Copper (as Cu)	BDL(MDL 0.005)	mg/l	APHA 3125 B (By ICP-MS)
8	Iron (as Fe)	0.01	mg/l	APHA 3125 B (By ICP-MS)
9	Nitrate (as NO ₃)	8.1	mg/l	IS 3025 (Part 34) (Sec 2) 2021
10	Phenolic compounds (as C ₆ H ₅ OH)	BDL(MDL:0.0006)	mg/l	IS 3025 (Part 43) (Sec 1) 2022
11	Sulphate (as SO ₄)	1.0	mg/l	IS 3025 (Part 24) (Sec 1) 2022
12	Hardness Total (as CaCO ₃)	230	mg/l	IS 3025 (Part 21) : 2009
13	Zinc (as Zn)	0.04	mg/l	APHA 3125 B (By ICP-MS)
14	Cadmium (as Cd)	BDL(MDL 0.001)	mg/l	APHA 3125 B (By ICP-MS)
15	Cyanide (as CN)	BDL(MDL:0.05)	mg/l	IS 3025 (Part 27)
16	Lead (as Pb)	BDL(MDL 0.005)	mg/l	APHA 3125 B (By ICP-MS)
17	Mercury (as Hg)	BDL(MDL 0.0005)	mg/l	APHA 3125 B (By ICP-MS)
18	Nickel (as Ni)	BDL(MDL 0.005)	mg/l	APHA 3125 B (By ICP-MS)
19	Arsenic (As)	BDL(MDL 0.005)	mg/l	APHA 3125 B (By ICP-MS)
20	Chromium - Hexavalent (as Cr+6)	BDL(MDL:0.02)	mg/l	IS 3025 (Part 52)

BDL:Below Detection Limit

MDL:Method Detection Limit



File 10 Feb 2023
Authorized Signatory
Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

Annexure - 7



(Department of Science, Technology & Environment, GoP)
A Component of Knowledge City, Mohali

An NABL Accredited State Analytical Agency

BIS Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI

No.PBTIENV/040723/000220

288

Dated: 13/07/23

ULR: TC611723000001947F

TEST REPORT

Sample Registration No.

: PBTI/ENV/040723/000220

Sample code given by customer

: STP Inlet

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No.3400650989,dt. 04/06/2023

Date & Time of Sample Collection : 04/07/2023 at 9:40am

Date & Time of Sample Receipt in Lab : 04/07/2023 at 2:30pm

Sample Identification No. : PBTI/030723/04,dt.04.07.23

Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division, Foundary, Sialba Majri

Name/Nature of sample : Untreated Effluent

Type of Sample : Grab

Point of Sample Collection : Inlet

Condition of the sample on Receipt : Intact coded sample under refrigerated & preserved conditions

Qty/Pkg. : 3.5L approx. in plastic cans & glass bottles

Sampling Method : Sample drawn by PBTI (Mr.Jitender) as per APHA guidelines

Test Start Date : 05/07/2023

Test Completion Date : 13/07/2023

Report for Self Monitoring of the
Industry on Request basis

PBTI, Mohali

Authorized Signatory

Punjab Biotechnology Incubator Lab

Employee Code: 16

Note:

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Format No : PBTI/F/7.8/04

Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst



Dated :

ULR : TC611723000001947F

Sample Registration No. : PBTI/ENV/040723/000220

Sample code given by customer : STP Inlet

Test Results

S.No.	Parameter	Results	Units	Test Method
1	pH	6.96		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	81	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	586	mg/l	IS 3025 (Part 16) :2023
4	Biochemical Oxygen Demand (BOD ₃ at 27°C)	92	mg/l	IS 3025 (Part 44) : 2023
5	Chemical Oxygen Demand (COD) Total	208	mg/l	IS 3025 (Part 58) 2006
6	Oil & Grease	1.9	mg/l	IS 3025 (Part 39) 2021
7	Iron (as Fe)	0.32	mg/l	APHA 3125 B By ICP-MS
8	Chloride (as Cl)	92.5	mg/l	IS 3025 (Part 32) : 1988
9	Sulphate (as SO ₄)	2.0	mg/l	IS 3025 (Part 24) Sec I: 2022

[Signature]
13/7/2023

Authorized Signatory
Punjab Biotechnology Incubator Lab



Punjab Biotechnology Incubator

(Department of Science, Technology & Environment, GoP)

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Approved | FSSAI Empanelled | EIC Approved | APEDA Approved | PPCB Approved | Notified State Water Lab - GoP | Notified Under EPA - Govt of India

No. PBTIENV/040723/000221

Dated: 13/07/23

ULR : TC611723000001948F

TEST REPORT

Sample Registration No. : PBTI/ENV/040723/000221
Sample code given by customer : STP Outlot

Issued to:

Mahindra & Mahindra Ltd, Swaraj Division, Foundary
V&PO Sialbamajri, Tehsil Kharar, Mohali

Distt SAS Nagar - 140011
Punjab

SAMPLE PARTICULARS

Your Ref. No. : PO No.3400650989,dt. 04/06/2023
Date & Time of Sample Collection : 04/07/2023 at 9:30am
Date & Time of Sample Receipt in Lab : 04/07/2023 at 2:30pm
Sample Identification No. : PBTI/030723/05,dt.04.07.23
Site of Sample Collection : Mahindra & Mahindra Ltd, Swaraj Division, Foundary, Sialba Majri
Name/Nature of sample : Treated Effluent
Type of Sample : Grab
Point of Sample Collection : Outlot
Condition of the sample on Receipt : Intact coded sample under refrigerated & preserved conditions
Qty/Pkg. : 3.5L approx. in plastic cans & glass bottles
Sampling Method : Sample drawn by PBTI (Mr. Jitender) as per APHA guidelines
Test Start Date : 05/07/2023
Test Completion Date : 13/07/2023

Report for Self Monitoring of the
Industry on Request basis

Note:

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4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
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PBTI Mohali

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 16

Format No : PBTI/F/7.8/06
Revision No. 00 & 25.04.2019

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act 1966 | Referral Lab under Food Safety and Standards Act 2006

C-134, Industrial Focal Point, Phase-VIII, SAS Nagar (Mohali) - 160 071, Punjab, India

Phone : +91-172-5020893, 5093595, E-mail : pbt2005@yahoo.com

Website : www.pbttilabs.com, /pbt_dst

Dated :

ULR : TC611723000001948F

Sample Registration No.

: PBT/ENV/040723/000221

Sample code given by customer

: STP Outlet

Test Results

S.No.	Parameter	Requirement as per EPA Rules, 1986 (For use as Irrigation Water)	Results	Units	Test Method
1	pH	5.5 - 9.0	7.65		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	200 mg/l, Max	35.8	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	---	630	mg/l	IS 3025 (Part 16) :2023
4	Biochemical Oxygen Demand (BOD3 at 27°C)	100 mg/l, Max	12	mg/l	IS 3025 (Part 44) : 2023
5	Chemical Oxygen Demand (COD) Total	---	48	mg/l	IS 3025 (Part 58) 2006
6	Oil & Grease	10 mg/l, Max	BDL(MDL:1)	mg/l	IS 3025 (Part 39) 2021
7	Iron (as Fe)	---	0.02	mg/l	APHA 3125 B By ICP-MS
8	Chloride (as Cl)	---	62.5	mg/l	IS 3025 (Part 32) 1988
9	Sulphate (as SO4)	---	88	mg/l	IS 3025 (Part 24) Sec I : 2022

BDL:Below Detection Limit

MDL:Method Detection Limit

Authorized Signatory

Punjab Biotechnology Incubator Lab

Report for Self Monitoring of the
Industry on request basis

PBT, Mohali

**REPORT
ON
STUDY OF LEACHATES CAUSING ENVIRONMENTAL CONTAMINATION
OF
GROUNDWATER & SOIL QUALITY**

Submitted to



MAHINDRA & MAHINDRA LTD. SWARAJ DIVISION FOUNDRY

Village- Sailba Majri, Tehsil Kharar- Mohali, Punjab (140110), India

Monitored, Analysed & Submitted By



ECO LABORATORIES & CONSULTANTS PVT. LTD.



An ISO 9001:2015, EMS ISO 14001:2015 & OHSAS 45001:2018
certified Company

QCI-NABET, MOEF&CC, NABL and PPCB approved Laboratory



ECO Bhawan, E-207, Industrial Area, Phase VIIIB, Sector-74,
Mohali-160071, Punjab (India)

Tel: 8872043185, Website: www.ecoparyavaran.org

INTRODUCTION OF THE STUDY

As per the Environment Clearance letter granted (vide letter no. SEIAA/MS./2014/3189, dated 17.10.2014) for the project of M/s Mahindra & Mahindra (P) Ltd., Swaraj Division Foundry located at Village- Sailba Majri, Tehsil Kharar- Mohali, Punjab.

The State Environment Impact Assessment Authority (SEIAA), Punjab has directed strict compliance of terms and conditions including specific and general conditions. According to the specific condition no. ix, it has been conveyed to conduct a regular monitoring of influent and effluent surface, sub-surface and ground water. It shall be ensured that the treated wastewater should meet the norms prescribed by the Punjab Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent.

Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bangalore, PPCB and CPCB. Thus, on the behalf of M/s Mahindra & Mahindra (P) Ltd., Eco Laboratories and Consultants has monitored, analyzed, studied and prepared a report on Leachate study of Swaraj Division Foundry in accordance with MoEF & CC guidelines.

Water Quality of Ground Water at the Project Site



Google earth image of project site (500 m nearby area of project) showing there is no surface water source available in the vicinity of the plant and no critical source of ground water contamination

LEACHATE STUDY

In general leachate is any hazardous liquid that poses negative impacts if it leaks out into environment such as soil and ground water systems. Thus, leachate is a water-based fluid that consists of groups of contaminants of dissolved organic matter, inorganic micro components (cations and anions including sulphate, nitrate, chloride, iron, aluminium, zinc and ammonia), heavy metals (Pb, Ni, Cu and Hg etc.) and xenobiotic organic compound such as halogenated organics (PCBs, dioxins etc.). The leachate can form directly through seepage of hazardous liquids from solid waste dumps, chemical waste storage sites etc. or through runoff falling on such sites. Such sites therefore become potential sources of leachate which can downgrade quality of soil or water or both in terms of chemical characteristics and is of more concern rather than the physical or mechanical aspect. The effect of leachate on mechanical behaviour of contaminated soil is not well established and should be investigated. Contamination of soil by leachate usually concentrates in terms of chemical properties instead of mechanical

modification. The presence of leachate may react differently with soil if compared with typical water. Leachate has different chemical substances that may control its electrical conductivity which subsequently effect the interaction with soil. The mechanical properties of leachate-contaminated soil alter when the results are compared with the uncontaminated soils. The behaviour of soil changes in terms of specific gravity, liquid limit, compressibility, swelling potential and direct shear strength.

Conclusion

This study explored the influence of leachate on the surrounding soil and water quality in foundry industry. Studies have shown, that waste has direct or indirect effects on soil properties. Soil-waste interactions can affect grain size of soil particles, liquid limit, plastic limit, compaction characteristics, and strength properties of soil. The modification of soil properties can lead to various geotechnical problems such as landslides, ground subsidence, erosion, and can effects underground structural stability. The polluted water attacks foundation structures. It affected the workability and durability of concrete when used for mixing concrete. This study indicates that the value of plastic limit, liquid limit and plastic index were decreased with increasing of leachate content. The increasing of leachate content also gives effect to soil shear strength. The value of shear strength decreased when the content of leachate increased. Maximum dry density and optimum moisture content also decrease with the increase of leachate content. Based on this study, the presence of leachate fluid in the soil brings negatives impact to the geotechnical properties of soil.

However, based on findings, most of the parameters analysed were below the permissible limit of IS: 10500 (2012) for drinking water and specification for irrigation indicating that the groundwater was fit for drinking, domestic, and irrigation purposes. The piper diagram employed in the study showed that the leachate and most of the groundwater samples plotted in the same indicating that the no influence of leachate on the ground water quality. All the parameters analysed in the soil were within the normal threshold. In terms of the triple bottom line of sustainability, namely people, planet, and profit, the findings indicate that all the three pillars are safe, thereby no hindrance in sustainable development in around the plant area.

As the Leachate study was conducted with the objective so as to evaluate and identify the possible impacts on ground water and soil quality associated with various process activities of M/s. Mahindra & Mahindra Ltd., Swaraj Foundry Division (Foundry Industry). The outcomes of study reveal that:

- No contamination of chemical contaminants in ground water and soil quality
- No leachability & toxicity of chemical contaminants in ground water and soil quality



CONTRACT OF INSURANCE

INSURED NAME: MAHINDRA AND MAHINDRA LTD



INSURER: IFFCO TOKIO General Insurance Company Limited

Policy Type - Public Liability - Act

Policy Period - (27/06/2021 to 26/06/2022)

Servicing Branch :	Mumbai Commercial SBU
Policy Issuing Office :	IFFCO TOKIO GEN INSU. CO. LTD. IFFCO Bhavan, 5th Floor, 181 Waterfield road, Nr. National College, BANDRA , MAHARASHTR - 400050
Issuing Office GSTIN :	27AAACI7573H1ZC
Corporate Office :	IFFCO TOKIO GEN INSU. CO. LTD. 4th - 5th Floor, IFFCO Towers Plot No 3, Sector 29, GURGAON (HARYANA) - 122001
Policy No :	41061556
Unique Invoice No :	41061556
Invoice Date :	29/06/2021
SAC :	997139
Intermediary Details :	MAHINDRA INSURANCE BROKERS LTD

POLICY SCHEDULE CUM TAX INVOICE

Insured	MAHINDRA AND MAHINDRA LTD		
GSTIN	27AAACM3025E1ZZ		
Address	Akurli Road, Kandivali (e)		
	Mumbai		
	Greater Mumbai (m Corp.) Part		
	India		
	Pin Code	400101	
Place of Supply	MAHARASHTRA		
Business Description	Automobile Manufacturing		
Policy Period	27/06/2021- 26/06/2022		
Co Insurance Details	NA		
Limit of Liability	Cover		
	50,000,000 per occurrence and 150,000,000 in the aggregate		
Deductible	NA		
Territorial Limits	IND		
Jurisdiction	IND		
Turnover Details	INR 472,240,000,000		
Policy Type	Occurrence Based		
Premium	Premium Excluding Taxes:	INR	56,330.40
	CESS (0%):	INR	0.00
	GST		
	- SGST (9%):	INR	5,069.74
	- UGST (0%):	INR	0.00
	- CGST (9%):	INR	5,069.74
	- IGST (0%):	INR	0.00
	ER Fund Premium:	INR	56,330.40
	Total Premium / Invoice Value :	INR	122,800.40
GST Related Declarations	Whether GST is Payable on Reverse Charge Basis- No		
Other Terms and Conditions	All Other terms & conditions as per Policy Wordings attached.		
Toll Free: 1-800-103-5499; SMS "claim" to 56161 SAC Code: 9971 Regd. Office: IFFCO SADAN, C1 Distt Centre, Saket, New Delhi -110017 Corporate Identification Number (CIN) U74899DL2000PLC107621, IRDA Reg. No. 106 Consolidated Stamp Duty Deposited as per the order of Government of National Capital Territory of Delhi			For IFFCO-Tokio General Insurance Company Limited
			
			Authorised Signatory Regd. Office : IFFCO Sadan C-1 Dist. Centre, Saket, New Delhi-110017 CIN: U74899DL2000PLC107621

POLICY FORM
(PUBLIC LIABILITY INSURANCE – ACT ONLY POLICY)

1. OPERATIVE CLAUSE

Whereas the Insured Owner, named in the Schedule hereto and carrying on business described in the said Schedule, has applied to IFFCO-TOKIO General Insurance Co. Ltd. (hereinafter called the Company) for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as per the provisions of the Public Liability Insurance Act and the rules framed thereunder.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions contained herein or endorsed hereon, the company will indemnify the insured owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling hazardous substances as provided for in the said act and the rules framed thereunder.

2. DEFINITIONS

- a) "Act" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act, 1991.
- b) "Accident" means an accident involving a fortuitous or sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radio-activity.
- c) "Handling" in relation to any hazardous substance, means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance.
- d) "Hazardous Substance" means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act, 1986, and exceeding such quantity as may be specified, by notification, by the Central Government.
- e) "Owner" means a person who owns, or has control over handling any hazardous substance at the time of accident and includes:-
 - (i) in the case of a firm, any of its partners;
 - (ii) in the case of an association, any of its members, and
 - (iii) in the case of a company, any of its directors, managers, secretaries or other officers who is directly in-charge of and is responsible to the company for the conduct of the business of the company.
- (f) "Turnover" shall mean –
 - i) Manufacturing units – Annual Gross Sales including all levies and taxes.
 - ii) Godown/warehouse owners – Annual rental receipts.
 - iii) Transport Operators – Annual freight receipts
 - iv) Others – Annual gross receipts

3. EXCLUSIONS

This Policy does not cover liability:

- (1) arising out of willful or intentional non-compliance of any Statutory Provisions.
- (2) in respect of fines, penalties, punitive and/or exemplary damages.
- (3) arising under any other legislation except in so far as is provided for in Section 8 Sub-Section (1) and (2) of the Act.
- (4) arising out of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured's control, care or custody.
- (5) directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power.

(6) directly or indirectly caused by or contributed to by

- a) ionizing radiations or contamination by radio activity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel.
- b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

4. CONDITIONS

(1) The Insured Owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or any specific event or circumstance that may give rise to a claim. The Insured shall immediately give to the Company copies of notice of application(s) forwarded by the Collector and all such additional information and or assistance that the Company may require.

(2) No admission, offer, promise or payment shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.

(3) The Company shall not be liable for any claims for relief made after five years from the date of occurrence of the accident.

(4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.

(5) If at the time of happening of any accident, resulting in a claim under this policy, there be any other insurance covering the same liability, then the Company shall not be liable to pay or contribute more than its ratable proportion of such liability.

(6) This Policy may be cancelled by the Insured Owner by giving 30 days notice in writing to the Company in which event the Company will retain premium at short period scale subject to there not having occurred an accident during the policy period which may give rise to a claim(s), failing which no refund of premium shall be allowable.

(7) This Policy may also be cancelled by the Insurer by giving 30 days notice in writing to the Insured Owner in which event the Company shall be liable to repay on demand a rateable proportion of the premium for the unexpired term from the date of cancellation.

(8) If the Company shall disclaim liability to the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent court of law, then the claim for all practicable purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.

(9) The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported by any person on behalf of the Insured and/or if the insurance has been continued in consequence of any material mis-statement or non-disclosure of any material information by or on behalf of the Insured. In such a case, if the Company pays any amount to the claimant due to any statutory provisions, such amount shall be recoverable from the Insured.

(10) The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder or this Policy shall bear such specific meaning.

(11) Any dispute regarding interpretation of the terms, conditions and exceptions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.

SWARAJ DIVISION FOUNDRY
GLIMPSES OF SOCIAL WORK ACTIVITIES

Education Initiatives

**ABACUS ACTIVITY FOR GOVERNMENT
SCHOOL CHILDREN**



**WORLD FOOD DAY CELEBRATION AT
SCHOOLS & VILLAGES**



CLEANINESS DRIVE AT VILLAGES



WASH TRAINING AT GOVT SCHOOLS



EDUCATION SUPPORT CLASSES AT GOVT SCHOOLS



ABACUS TRAINING AT GOVT SCHOOLS



Women Empowerment Initiatives

ENTERPRISE SUPPORT FOR VILLAGERS



ENTERPRISE SUPPORT WOMEN



**SEED KIT DISTRIBUTION FOR KITCHEN
FARMING TO WOMEN**



TRAINING AT WOMEN GROUPS



HEALTH CAMP AT VILLAGE for Women



SHG FORMATION AT VILLAGES



Environmental Initiatives

**CLEANINESS DRIVE AT SWARAJ
FOUNDARY PLANT INVOLVING
VOLUNTEERS**



BIO GAS PLANT AT VILLAGES



PLANTATION DRIVE AT VILLAGES



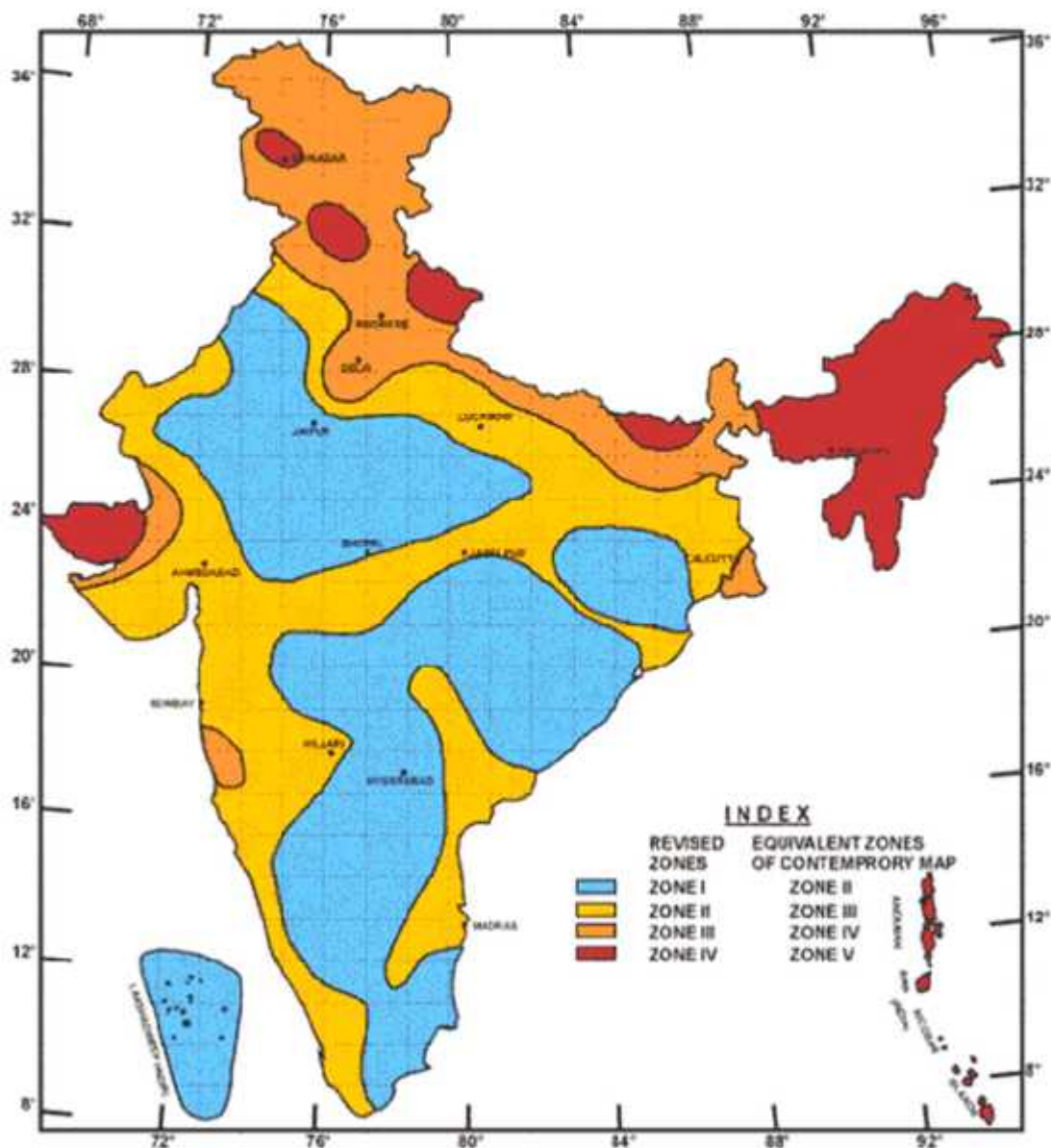
**Awareness rally on World Environment Day
at village**



SEISMIC HAZARD:

The latest version of seismic zoning map of India given in the earthquake resistant design code of India [IS 1893 (Part 1) 2002] assigns four levels of seismicity for India in terms of zone factors i.e. Zone I to IV. Map of India defining seismic zones is given below.

State of Punjab falls in a region of moderate to high seismic hazard as per the 2002 Bureau of Indian Standards (BIS) map.



Presently, there is no scientific technique available anywhere in the world to predict occurrence of earthquakes with reasonable degree of accuracy with regard to space, time and magnitude. It is, therefore suggested that appropriate steps may be taken to ensure that structures in the region are designed and constructed as per guidelines laid down by Bureau of Indian Standards (BIS) to minimize the losses caused by earthquakes. The choice of seismic factor to be adopted for designing and engineering the structures depends on horizontal ground acceleration and various other factors including type of structures, the ground conditions and also importance of structures. For important and critical structures, site specific spectral studies have to be carried out before assessing the seismic design parameters. Following procedure to be followed during Earthquake:

1. Do not panic: We should patiently thin for a short while and then act accordingly.
2. Switch off the lights & power supply: During an earthquake the building structure may get distorted. This may result into short-circuit there by posing a fire risk.
3. Unsafe places during earthquake: during an earthquake there are certain structure which rarely or lately collapse, hence we should move to open areas or to safer places.

FLOOD HAZARD:

Floods can be such devastating disasters that anyone can be affected at almost anytime. As we have seen, when water falls on the surface of the Earth, it has to go somewhere. A major part of geographical area of the state is prone to floods although substantial part has been protected through flood control measures. Nevertheless, the protected area also faces risk, although in reduced magnitude, because of possibility of flood in case of failure of protection works. Response to Disaster, in the absence of a well-defined plan, would be arbitrary, leading to overemphasis of actions of some actions and absence of other critical actions. A formal plan for managing Disaster is, therefore, necessary. Following procedure to be followed during Flood:

1. Do not Panic: we should patiently think for a short while and then act.
2. The Emergency control Centre will ensue that all are alerted through siren
3. All the emergency outlets points should be immediately opened.
4. Switch off lights and power supply: during flood a short circuit may result in Electrocution/ other hazards power supply should be cut off
5. Move to Safe places: look for a raised grounds or the safe place at a sufficient height in the factory premises.

SWARAJ

Swaraj Division
Mahindra & Mahindra Ltd.
V.S.P.O. Salba Majri, Tehsil Kharar,
Distt. SAS Nagar (Mohali),
Punjab 140110, India

Tel: +91 160 2643025

Regd. Office:
Gateway Building, Apollo Bunder,
Mumbai 400 001 India
CIN No. L85980MH1945PL0004558

Date: 16.05.2023

To
The Additional Director
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
Bays Nos. 24-25, Sector 31 A,
Dakshin Marg,
Chandigarh – 160030
(Mail ids.: ecompliance-nro@gov.in and ronz.chd-mef@nic.in)

Subject: Submission of six-monthly compliance report for period ending 31.03.2023 for the Project namely "Mahindra & Mahindra Ltd. (FES) - Swaraj Division Foundry" located at Village Majri, Tehsil Kharar, SAS Nagar, Punjab.

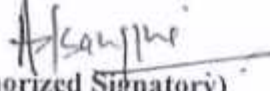
Respected Sir,

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 31.03.2023 for the above said project through mail for your perusal.

Kindly acknowledge the receipt of the same.

Thanking you

Sincerely,
For M/s Mahindra & Mahindra Limited (FES) -Swaraj Division Foundry


(Authorized Signatory)
Name: Mr. Sanjiv Anand
Contact No.: 9881408549
Designation: VP (Mfg.)
Email: anand.swaraj@mahindraswaraj.com



CC:

- **Member Secretary**, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26- Chandigarh-160019. (Soft copy through CD)
- ✓ **Environmental Engineer**, The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali, (Punjab). (soft copy through CD).

ASNO

Mahindra
Rise.

To
The Additional Director
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
Bays Nos. 24-25, Sector 31 A,
Dakshin Marg,
Chandigarh – 160030
(Mail ids.: eccompliance-nro@gov.in and ronz.chd-mcf@nic.in)

Subject: Submission of six-monthly compliance report for period ending 31.03.2023 for the Project namely "Mahindra & Mahindra Ltd. (FES) - Swaraj Division Foundry" located at Village Majri, Tehsil Kharar, SAS Nagar, Punjab.

Respected Sir,

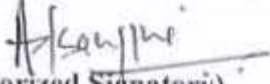
With reference to the EIA Notification & its amendments regarding submission of six monthly compliance report, we are hereby submitting the six monthly compliance report for period ending 31.03.2023 for the above said project through mail for your perusal.

Kindly acknowledge the receipt of the same.

Thanking you

Sincerely,

For M/s Mahindra & Mahindra Limited (FES) -Swaraj Division Foundry


(Authorized Signatory)
Name: Mr. Sanjiv Anand
Contact No.: 9881408549
Designation: VP (Mfg)
Email: anand.swaraj@mahindraswaraj.com

CC:

- **Member Secretary**, SEIAA Punjab, Directorate of Environment and Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector 26-Chandigarh-160019. (Soft copy through CD)
- **Environmental Engineer**, The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali, (Punjab). (soft copy through CD).



ASmo



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

Name of Unit	Mahindra & Mahindra Limited (FES) Swaraj Division (Foundry)		
Activity of Unit:	Industrial		
Address of Unit:	Mahindra & Mahindra Limited (FES) Swaraj Division (Foundry), Village Sialba Majri, SAS Nagar.		PIN Code: 143022
Assessment Unit (Block):	Sialba Majri	Category: Green	
District:	SAS Nagar		
Correspondence Address:	Mahindra & Mahindra Limited (FES) Swaraj Division (Foundry), Village Sialba Majri, SAS Nagar.	PIN Code: 143022	
Unit ID	0950100077		
Permission Number	PWRDA/06/2021/L2/104		Dated: 15.06.2021
Project Status:	Existing Unit		
Permission Type:	ad-interim Permission		
Validity Period:	For a period of three months from the date of publication of the final guidelines by the Authority, or for three years from the date of grant of this <i>ad interim</i> permission, whichever is earlier.		
Ground Water Extraction Permitted: 250 m ³ /day			
Fresh Water		Saline Water	
m ³ /day	m ³ /month*	m ³ /day	m ³ /month*
250	7,500	-	-

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

Fees and Charges Paid:

A. Application Fees for Groundwater Extraction:

Volume of Groundwater Extraction Applied For per day (in m ³ /day)	Fees Deposited (in Rs.)
250	16,000/- (20% Covid-19 rebate applied)

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

Category of Area	Extraction Permitted: (m ³ /day)	250	Amount Deposited (Rs.)
Green	Charges for two months		1,45,920/- (20% Covid-19 rebate applied)
	<10 m ³ /day	10-100 m ³ /day	>100 m ³ /day
	2,400	54,000	1,26,000

C. Tube-well Registration Fee paid:

No. of existing tube-wells	No. of Proposed tube-wells	No. of total tube-wells	Registration Fee applicable per tube-well	Total Registration Fee Paid (Rs.)
02	Nil	02	10,000/-	16,000/- (20% Covid-19 rebate applied)

D. Total Amount Paid (Rs.):

Application Fee	Advance Deposit	Tube-well Registration Fee	Total (Rs.)
16,000/-	1,45,920/-	16,000/-	1,77,920/-

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

Dated: 15th June, 2021
 Place: CHANDIGARH




 Signature
 Jobanpreet Singh, A.O.L-2

ad interim PERMISSION CONDITIONS

- 1) The permission is valid for a period of three months from the date of publication of the final guidelines by the Authority, or for three years from the date of grant of this *ad interim* permission, whichever is earlier. The unit will apply again for Permission within one month after the publication of the final Guidelines.
- 2) Since, this Permission has been issued on the basis of self-assessment by the applicant and without any site inspection or verification of documents submitted by the applicant, hence the Authority may inspect the unit and documents at any time. In case 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 revoke or modify the permission after giving a notice to the Unit.
- 3) The unit shall comply with the provisions of the Punjab Water Resources (Management and Regulation) Act, 2020, and the Regulations and Directions issued thereunder.
- 4) A Unit operational prior to 12/11/2020 shall be liable to pay groundwater extraction charges w.e.f. 12th Nov, 2020. A unit which is yet to begin operations shall be liable to pay the charges from the date of commencement of extraction of groundwater.
- 5) The unit shall install a water meter at each of its extraction structures within 60 days of issue of this permission letter (Refer Para 7.1 of the Draft Guidelines.)
- 6) Till the installation of water meter the Unit shall pay the full amount for the entire volume of groundwater permitted.
- 7) The Unit shall self-record the water meter readings in the format set by the Authority on the first working day of every month and submit the same and pay the applicable charges to PWRDA by 10th of every month.
- 8) Units permitted to extract 50m³/day or more groundwater shall communicate water level data to PWRDA in the first week of every month. (Refer para 7.2 of the Draft Guidelines)
- 9) This Permission does not absolve the unit of its obligations to obtain other required statutory and administrative clearances from appropriate authorities.
- 10) 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.
- 11) This Permission is being issued without any prejudice to the directions of any court of law in cases related to groundwater or any other related matters.
- 12) Water conservation credit claims (if any) will be examined and verified separately.
- 13) In view of the Covid-19 epidemic, the Groundwater Charges in the Draft Guidelines will be reduced by 20% till July 31st, 2021.
- 14) Since, the unit has not paid the GST. Hence, it will be bound to deposit the same within 7 days as and when required by the Authority.

X-----X



ENVIRONMENTAL CLEARANCE



**Environmental Clearance
Conditions**

Read More →



**Environmental Clearance
Compliance**

Read More →



Ambient air monitoring

Read More →



Token - No - 039

Form 59

Pollution Under Control Certificate

[See rules 115 (2)]

Authorised By :

TRANSPORT DEPARTMENT

Date : 17/06/2023
 Time : 11:38:11 AM
 Validity upto : 16/12/2023

mob

9814470692

gates City



Certificate SL No. : CH00101230002444
 Registration No. : PB65BB9373
 Date of Registration : 30/Apr/2022
 Month & Year of Manufacturing : January-2022
 Valid Mobile Number : *****0692
 Emission Norms : BHARAT STAGE VI
 Fuel : DIESEL
 PUC Code : CH0010123
 GSTIN :
 Fees : Rs.50.00
 (GST to be paid extra as applicable)
 MIL observation : No

Vehicle Photo with Registration plate
 60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured V (upto 2 dec places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 \pm 200	
	Lambda	-	1 \pm 0.03	
Smoke Density	Light absorption coefficient	1/metre	0.7	0.38

This PUC certificate is system generated through the national register of motor vehicles and not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan>

Authorised Signature with stamp of PUC operator
 60mm x 20 mm