COMPLIANCE OF ENVIRONMENT CLEARANCE CONDITIONS

For Expansion of HIKAL LTD., MIDC Taloja, Maharashtra Accorded by Ministry of Environment and Forests (I.A. Division) F. No. J – 11011/63/2007- IA II (I), Government of India New Delhi, Dt. 28th August 2007

A. SPECIFIC CONDITIONS	
i.) Dust collectors and venturi scrubbers shall be provided to control particulate emissions.	We have provided dust collectors in the packing system for the control of particulate emissions.
	Ventury scrubbers are provided for scrubbing of gas. For other process emissions and storage tank vents packed bed scrubber provided.
	Cleaning of filters is being carried out on regular basis.
ii.) Fugitive emissions in the work zone environment shall be periodically monitored for specific pollutants like solvents, VOC, HCl, SO ₂ etc. with instruments of proper range. The flue gas emissions shall confirm to the standards	Work place monitoring is carried out on regular basis for solvents, VOC, HCl, etc Reports are well within limit, Copies are attached.as Annexture I Flue gas monitoring is carried out by MoEF
prescribed by the MPCB.	approved laboratory. Reports are well within limit, Copies are attached as Annexture II Further we have also installed OCEMS system at our boiler stack for continuous monitoring of particulate matter, SO2 and NOx. OCEMS system is connected to MPCB and CPCB servers.
iii) Total water requirement from MIDC supply, effluent generation shall not exceed 1162 m ³ /day as per the permission accorded by the MIDC. The waste water generation shall not	The water requirement from MIDC supply and Effluent generated is not exceeded than the permission granted.
exceed 717 m³/day and treated for primary, secondary and tertiary treatment. Treated effluent shall be sent to common effluent treatment plant (CETP) for further treatment. The quality of the treated effluent shall confirm	We have full-fledged Effluent Treatment Plant comprising of Primary, Secondary and Tertiary treatment and final effluent is sent to CETP for further treatment and disposal.
to the standards prescribed by the MPCB/EPA Rules. Toxicity Factor – 4 (TF – 4) test shall be carried out as per the latest CPCB guidelines.	ETP outlet effluent testing is ongoing as per consent parameters. Copies are attached. as Annexture III
	We are unable to identify agency engaged in analysis of Toxicity Factor – 4 test. We have requested to MPCB to guide us regarding the

same.

iv) The solid waste shall be segregated according to its calorific content and stored separately, for treatment and disposal. ETP sludge, evaporation salts, spent carbon etc. shall be incinerated in the common incineration facility installed at TSDF at Taloja, Maharashtra and no incinerator should be installed at the project site. Used oil and batteries shall be sold to authorized recyclers.

Solid wastes are segregated and stored in isolated dedicated storage area.

We are the member of Mumbai Waste Management Limited- Taloja (CHWTSDF) and presently all segregated hazardous waste is treated and disposed off scientifically at their facility. Incinerable Waste sent to CHWTSDF at Taloja only.MWML membership letter is attached as **Annexture IV**

Used oil and batteries are being sold to authorized recyclers as per the PCB guidelines.

B. GENERAL CONDITIONS:

i.) The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB), and the State Government We are complying with all the MPCB and state Government norms and in future also will comply in the same way.

ii) No further expansion or modifications in the plant should be carried out without prior approval of Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the Ministry to assess adequacy of the conditions imposed and to add additional environmental protection measures regd., if any.

No Expansion or modification will be carried out without prior approval of Ministry of Environment and Forests.

We have not modified or expanded plant after above mentioned clearance.

iii) The gaseous emissions (SO₂, NOx, HC, HCl and Cl₂) and particulate matter from various process units shall confirm to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.

Gaseous emissions like SO₂, NOx,Cl2 and Particulate matter are monitored on monthly basis from MoEF approved laboratory.

Further we have also installed OCEMS system at our boiler stack for continuous monitoring of particulate matter, SO2 and NOx.

OCEMS system is connected to MPCB and CPCB servers.

We are complying all the standards prescribed by the concerned authorities from time to time. Utmost care will be taken in future also in order to avoid any deviations.

1

iv) The process emissions (SO₂ and HCl) shall be scrubbed by caustic or wet scrubber from all the stacks. Vents from scrubbers and condensers shall be periodically monitored and maintained as per the best practicable technology. The VOC emissions generated due to use of organic chemicals from various reactors shall be controlled by installing chilled water and chilled brine condenser system to condensate the organic vapors to recycle and reuse in the process.

Stacks with Process emissions (SO2 and HCl) are connected to caustic / wet scrubber. Vents from scrubbers and condensers are monitored on monthly basis through MoEF approved Laboratory and found meeting stipulated norms.

Organic vapors are condensed and recycled to the process by using chilled brine & chilled water condensers.

v) Adequate number of influent and effluent quality monitoring stations should be set up in consultation with the MPCB. Regular monitoring shall be carried out for relevant parameters.

Quality of influent and effluent is analyzed for relevant parameters regularly in our full-fledged laboratory for the effective operation effluent treatment plant.

We have also attached OCEMS system at our ETP outlet for continuous monitoring of pH, COD, BOD, TSS.

OCEMS system is connected to MPCB and CPCB servers.

vi) As per Charter on Corporate Responsibility on Environment Protection the bio-assay test shall be replaced by Toxicity Factor test method developed by CPCB. We are unable to identify agency engaged in analysis of Toxicity Factor – 4 test. We have requested to MPCB to guide us regarding the same.

vii) All the solvent recovery condensers should be cooled with low temperature brine to reduce solvent loss to the environment. Spent solvent shall be recovered as far as possible & recovery shall not be less than 95%. All venting equipments shall have vapour recovery system. Reactors shall be provided with mechanical seal to handle the odorous chemicals. Actions shall be taken to reduce the air emissions in the work zone environment as far as possible.

A solvent recovery system is provided to reduce the solvent loss to less than 5 per cent and all venting equipment's are connected to the vapor recovery system.

Reactors & pumps are provided with mechanical seals to reduce the odorous chemicals.

Chemicals are handled in closed system to minimize exposure to person as well as release to the environment.

viii) Green belt of adequate width and density should be developed in 33% of the total project area to mitigate the effect of fugitive emissions all-round the plant in consultation with the local DFO as per the CPCB guidelines.

Green belt has been developed in project site to the best extent possible to mitigate the effect of fugitive emissions ix) The company shall undertake water harvesting measures to recharge the ground water as well as reduce consumption of fresh water.

Water conservation measures such as rain water harvesting is carried out to reduce consumption of fresh water..

x) As proposed Rs.100 lakhs and Rs.33 lakhs earmarked towards the capital cost and recurring cost for the environmental pollution control measures shall be used exclusively to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government. An implementation schedule for all conditions stipulated herein shall be submitted to the Regional office of the Ministry at Bhopal. The funds shall not be diverted for any other purposes.

Approx. Rs. 10 Cr. Has been earmarked as recurring cost for environmental pollution control measures to implement conditions stipulated by MoEF as well as state Government. This fund is be exclusively used for environmental pollution control measures.

xi) The company shall undertake eco development measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to the MPCB within three months of receipt of this letter of approval.

Eco development measures including community welfare measures in the project area for the overall improvement of the environment are being implemented under CSR activity.

xii) The project authorities must strictly comply with the rules and regulations under the Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000. Prior approval of Chief Inspector of Factories, Chief Inspector of Explosives and Fire Safety Inspectorate etc. must be obtained.

We have always been complying with the rules and regulations of Manufacture, Storage, and Import of Hazardous Chemicals Rules 2000.

xiii) The project authorities must strictly comply with the rules and regulations with regards to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2000. Authorization from the MPCB must be obtained for collection, storage, treatment and disposal of hazardous wastes.

Approvals from authorities such as Inspector of Factories, Chief Inspector of Explosives, and Fire Safety Inspectorate are obtained.

We have obtained requisite consent &

We have obtained requisite consent & authorization from MPCB and complying with the H.W. (management, handling & transboundary movement) rules 2016. Form- 4, 5 and Form 10 etc. are maintained /submitted regularly.

We are member of MWML- Taloja which CHWSTDF. All hazardous waste is being disposed off scientifically.

xiv) Multiple safety systems shall be provided in reaction vessel handling flammable solvent or in which pressurized operations are carried out and hazard analysis of all operations shall be carried out. All the safety measures mentioned in the Factory Act shall be strictly adopted. Safety audit of the plant by a qualified safety engineer shall be carried out at least once in two years.

HAZOP and hazard analysis studies were carried out. Safety measures mentioned in the Factory act are implemented strictly and safety audit are carried out once in two years by a State Govt. approved Safety engineers as per the statutory requirements.

xv) The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all the sources of noise generation. The ambient noise level shall conform to the standards prescribed under the Environment (P) Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

Noise levels are kept within standards by implementing good engineering practices and acoustic enclosures to DG sets

Presently workplace monitoring are carried out for noise levels in and along the periphery of the plant. and noise levels are within prescribed limits.

Noise level monitoring reports are attached as **Annexture V**

xvi) Occupational health surveillance program shall be undertaken as regular exercise for all the employees, specifically for those engaged in handling hazardous substances. First aid facilities in the Occupational Health Care Centre shall be strengthened and medical records of each employee should be maintained separately.

Six monthly medical examination is being carried out for persons handling hazardous chemicals apart from annual medical examination of all the employees of the plant.

Company has provided Occupational health center with qualified medical officer and male nurses round the clock. Medical records are maintained, and trends are monitored.

xvii) A separate Environment Management Cell equipped with full fledged laboratory facilities shall be set up to carry out Environment Management and monitoring functions.

Environment Management Cell is functional backed by full-fledged laboratory facilities at the site to carry out Environment management and monitoring functions..

xviii) The project proponent shall also comply with all the environmental protection measures and safeguards recommendation in the EIA/EMP report

All environmental protection measures and safeguards recommendations in EIA / EMP report are complied with.

xix) The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bhopal / MPCB / CPCB. A six monthly compliance status report should be submitted to monitoring agencies.

Six monthly compliance reports is submitted to the Ministry's Regional Office at Nagpur at regular intervals. Last report submitted in the month of June 24

This practice will be followed in future also.

xx) The project proponent should advertise in at least two local news papers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by Ministry and copies of the clearance letter are available with the Maharashtra Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment http://envfor.nic.in. Forests at advertisement shall be made within 7 days from the date and issue of the clearance letter and copy of the same shall be forwarded to Ministry's Regional Office at Bhopal.

This has already been complied with. The environmental clearance was advertised in two local newspapers viz. Free Press (English) and Nav Shakti (Marathi) language, on 3rd September 2007.

xxi) The project Authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project.

Financial closure done on 31st Dec 2009.

Annexure-I

		ace Monito		Date :10.06.24 t	0 17.06.24
Month	Jun-24			Actual	
Chemical	Area	TLV ppm	Standard MSDS/ACGIH/NIOSH	Level ppm	Remarks
O Villian	T807 and T4010 (Recovery)	100	ACGIH	ND	
O-Xylene	Storage tank T822 & T801 (During			.ND	
Methanol	unloading)	200 ACGIH	ACGIH		
	Storage tank T-4009 (Recovery)			ND	
	Phase 3.Cascade-1area.		1	ND	
Triethyl amine	Raw Material- storage area.	1	ACGIH	ND	
	MPP Top floor-Tox cabin		11	ND	
HCL	T804 (Unloading Phase 3 - First second floor & Hypo area	2	ACGIH	ND	
Fomaldehyde	MPP-Storage Tank T6401 (During	0.016	NIOSH	ND	
	unloading) Storage tank T823 (During unloading	100	NIOSH	ND	
Toluene),T4012 & T4013(Recovery)		ACGIH	ND	
Ammonia-aq. 25%	MPP-G- floor During IBC unlloading	25	ACGIN	ND	
Ammonia	Storage tank T- 811.			ND	
	Phase-1.ADTC reactors area 12mts.				
	Phase-2. Ammonia evaporator area. 0 mt.		40001	ND	
	Phase-3. 18% ammonia - Water	25	ACGIH	ND	
	mixture area 6 mts.		3	ND	
	Tanker unloading pad.			ND	
	Utility Area			ND	
	ETP/PTP — 6.0mts.				
Acetone	Storage tank T-802 A & B.(During unloading)		NIOSH	ND	
	MCA Plant 0mt.			ND	
	6mts.	250		ND	
	12mts.			ND	
				ND	
	MPP			ND	
Benzene	Phase-2 0mt.			ND	
	6mts.	0.5	ACGIH	ND	
	12mts.	0.5	ACGIN	ND	
	Extract benzene tank V - 504 area.			ND	
	Storage tank T - 808.			ND	
Chlorine	Tonner unloading pad.			ND	
	Chlorine Tonner storage shed.			ND	
	Chlorine evaporator shed.	0.5	ACGIH	ND	
	MCA plant 12 mts.			ND	
	Hypo Reactor R670			ND	
	Emergency scrubber and AHCL area. Tanker unloading pad & storage tank			ND	
Aniline	(T806)	2	ACGIH	ND	
	Phase 3.Amidine reactor area.			ND	
CS2	Tanker unloading pad & storage tank. Phase 1 ADTC reactor and MPP-	10	MSDS	ND	
	reactor R3101			NU	
SAP .				ND	
OMF	MPP 3rd Floor MPP 2nd Floor			ND	
	MPP 1st Floor	10	ACGIH	ND	
	MPP Tank Farm (During unloading)	-		ND	
	MPP Packing			ND	
Acetic Acid	T-826 -Tankfarm area.(During	10	ACGIH	ND	
Mono Chloro	unloading) T-4001,T4005 and T4006 area.	10	ACGIH	ND	

Checked By-

Verified By-

MSDS-Material Safety Data Sheet. ACGIH-The American Conference of Governmental Industrial Hygienists. NIOSH-National Institute for Occupational Safety and Health ND-Not Detected

Excellent Enviro Laboratory &

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring. Testing & Environmental Compliance".

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	Sample ID	EEL/ABD/WP-307/04/2024-25			
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	25/04/2024			

SAMPLING DETAILS

The state of the s	DAMPLING DETAILS)		
#1)Location of Sampling	Solvent Tanker Unl			
02) Sampling Procedure	IS 5182 (Part 1):200	IS 5182 (Part 1):2006		
03)Sample Collected By	M/s. Excellent Envi	ro Laboratory & Resear	ch Center Pvt. Ltd.	
04)Date of Sampling	17/04/2024			
05)Time of Sampling & Sampling Duration	.09:00 AM to 11:00 A			
06) Date of Received in Lab	18/04/2024			
07) Analysis Start Date	18/04/2024		: 1 to 1	
	Make/Model No.	AshaEnviro		
08) Instrument Details	Serial No	EELRC/EQ/HS/54		
	Calibration On: 06/07/2 Due On: 06/07/2024		2023,	

RESULTS

Sr. No.	Parameter	UOM	Result	Limits as per Factories Act 1948	Ståndard Method
1	Total VOC (09:00 am)	mg/m ³	ND	NS	G.C. (FID)Method
2	Total VOC (09:30 am)	mg/m³	ND	NS	G.C. (FID)Method
3	Total VOC (10:00 am)	mg/m ³	ND	NS	G.C. (FID)Method
. 4	Total VOC (10:30 am)	mg/m ³	ND	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.

Reviewed By

(Dv. Quality Manager)

Authorized Signatory

(Ms. Dhammachila Narwade) (Dy. Yechnical Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MOEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 19970429991/7745069991

Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

MUMBAI OFFICE: Dhawalgiri Co-op, Hsg. Society, Building No.1, Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 908652671991 Email: kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com

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Email: punesales@excellentenviro.com Certifications · ♦ ISO 9001 · 2015 ♦ ISO 14001 · 2015 ♦ ISO 45001 · 2018

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(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	Sample ID	EEL/ABD/WP-308/04/2024-25
M/S. HIKAL LTD., T = 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	25/04/2024

SAMPLING DETAILS

	AMPLING DETAIL	5		
01)Location of Sampling	Acid Alkali Tanke	+		
02) Sampling Procedure	IS 5182 (Part 1):20			
03)Sample Collected By	M/s. Excellent Env	ch Center Pvt. Ltd.		
04)Date of Sampling	17/04/2024			
05) Time of Sampling & Sampling Duration	11:00 AM to 13:00			
06) Date of Received in Lab	18/04/2024	7 7		
07) Analysis Start Date	18/04/2024			
	· Make/Model No.	AshaEnviro		
08) Instrument Details	Serial No.	EELRC/EQ/HS/54		
on the second	Calibration Date	Calibration On: 06/07/ Due On: 06/07/2024	2023,	

RESULTS.

Sr No.	Parameter	LOM	Result	Limits as per Factories Act 1948	Standard Method
- 1	Total VOC (11:00 am)	mg/m ³	· ND	NS	G.C. (FID)Method
2	Total VOC (11:30 am)	mg/m³	ND.	NS	G.C. (FID)Method
3	Total VOC (12:00 pm)	mg/m³	ND	NS	G.C. (FID)Method
4	Total VOC (12:30 pm)	mg/m ³	ND	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.

(Mr. Prakhant Patil)
(Dv. Quany Manager)

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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MIDC Waluj

Aurangabad

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MOEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

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Email: punesales@excellentenviro.com

Certifications:
\$\infty\$ ISO 9001: 2015 \$\infty\$ ISO 14001: 2015 \$\infty\$ ISO 45001: 2018

Website: www.eelab.in/ www.excellentenviro.com

CIN: U73100MH2020PTC347047

Excellent Enviro Laboratory & Research Center Pvt. Ltd.

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT Client's Name & Address Sample ID FEL (ARD)

Client's Name & Address	. Sample ID	EEL/ARD/A	VP-309/04/2024-25		
M/S. HIKAL LTD T = 21, M. f. D. C. Area, TALOJA, 410208	Date of Report		5/04/2024		
	SAMPLING DETAIL	S			
01)Location of Sampling	Near Fencing Solv				
02) Sampling Procedure	IS 5182 (Part 1):20	· ·			
03)Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Lt				
04)Date of Sampling	17/04/2024	ren çenter i vi, Etu.			
05) Time of Sampling & Sampling Duration	13:00 PM to 15:00	13:00 PM to 15:00 PM (60 Minutes)			
06) Date of Received in Lab	18/04/2024				
07) Analysis Start Date	18/04/2024				
	Make/Model No.	AshaEnviro			

Calibration Date

EELRC/EQ/HS/54

Due On: 06/07/2024

Calibration On: 06/07/2023,

Authorized Signatory

Ms. Dhammashila Narwade)

(Dy Technical Manager)

Serial No.

Sr. No.	Parameter '	UOM	Result	Limits as per Factories Act 1948	Standard Method
1 .	Total VOC (13:00 pm)	mg/m³	ND	NS	G.C. (FID)Method
2	Total VOC (13:30 pm)	·mg/m³	ND	NS	G.C. (FID)Method
3	Total VOC (14:00 pm)	mg/m ³	ND	NS	G.C. (FID)Method
4	Total VOC (14:30 pm)	mg/m ³	· ND	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified; ND - Not Detected.

Remark: - Results are within the Factories act 1948.

Reviewed By
(Mr. Prassant Patil)

(Mr. Pras) ant Patil) (Dy. Quality Manager)

Terms and Conditions

08) Instrument Details

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	· Sample ID	EEL/ABD/WP-310/04/2024-25
M/S. HIKAL LTD., T = 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	25/04/2024

AMPLING DETAIL	5		
MPP Tank Unloading Area			
17/04/2024	' Center I vi. Liu.		
15:00 PM to 17:00 PM (60 Minutes)			
18/04/2024			
Make/Model No.	AshaEnviro		
Serial No.	EELRC/EQ/HS/54	(30)	
Calibration Date	Calibration On: 06/07/	2023,	
	MPP Tank Unload IS 5182 (Part 1):20 M/s. Excellent Env 17/04/2024 15:00 PM to 17:00 18/04/2024 18/04/2024 Make/Model No. Serial No.	IS 5182 (Part 1):2006 M/s. Excellent Enviro Laboratory & Researce 17/04/2024 15:00 PM to 17:00 PM (60 Minutes) 18/04/2024 18/04/2024 Make/Model No. AshaEnviro Serial No. EELRC/EQ/HS/54 Calibration One 06/07/	

RESULTS

Sr. No.	Parameter	· UOM	Result	Limits as per Factories Act 1948	Standard Method
1	Total VOC (15:00 pm)	mg/m ³	ND	NS	G.C. (FID)Method
2	Total VOC (15:30 pm)	mg/m ³	ND	NS	G.C. (FID)Method
3	·Total VOC (16:00 pm)	mg/m ³	ND	NS	G.C. (FID)Method
4 .	Total VOC (16:30 pm)	mg/m³	ND.	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.



Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

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PUNE OFFICE: 'B' zone 410-41, 4th floor, Near Vijay Sales, Pune-Mumbai Road, Chinchwad, Pune- 411019 🛊 7447439991

Email: punesales@excellentenviro.com Certifications · ♦ ISO 9001 · 2015 ♦ ISO 14001 · 2015 ♦ ISO 45001 · 2018

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CIN: U73100MH2020PTC347047

Excellent Enviro Laboratory & Research (

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	Sample ID	EEL/ABD/WP-311/04/2024-25
M/Ş. HIKAL LTD., T = 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	. 25/04/2024

SAMBLING DETAILS

	SAMPLING DETAIL	.8		
θ1)Location of Sampling	Near Operation Bu			
02) Sampling Procedure	IS 5182 (Part 1):20			
03)Sample Collected By		M/s. Excellent Enviro Laboratory & Research		
04)Date of Sampling	17/04/2024	17/04/2024 ·		
05) Time of Sampling & Sampling Duration	17:00 PM to 19:00			
06) Date of Received in Lab	18/04/2024			
07) Analysis Start Date	18/04/2024			
	Make/Model No.	AshaEnviro		
08) Instrument Details	Serial No.	EELRC/EQ/HS/54		
	Calibration Date	Calibration On: 06/07// Due On: 06/07/2024	2023,	

Sr. No.	Parameter	UOM	Result	Limits as per Factories Act 1948	Standard Method
1	Total VOC (17:00 pm)	mg/m ³	ND	·· NS	G.C. (FID)Method
2 .	Total VOC (17:30 pm)	mg/m ³ ·	ND	NS	G.C. (FID)Method
3	Total VOC (18:00 pm)	mg/m ³	ND -	NS	G.C. (FID)Method
4	Total VOC (48:30 pm)	mg/m ³	ND	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.

Reviewed By

(Mr. Prashant Patil) (Dv. Qualit Manager)

Authorized Signatory

(Ms. Dhapimashila Narwade) (Dy Technical Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

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Email: punesales@excellentenviro.com Cortifications . 4 ISO 9001 - 2015 & ISO 1/1001 - 2015 & ISO 1/5001 - 2018

CIN: U73100MH2020PTC34704

Excellent Enviro Laboratory & Research Center Pvt. Ltd.

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance",

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	Sample ID	EEL/ABD/WP-33/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	15/07/2024

SAMPLING DETAILS

01)Location of Sampling	Solvent Tanker Unloading ABC Area			
02) Sampling Procedure .	IS 5182 (Part 1):2006			
03)Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd			
04)Date of Sampling	07/07/2024			
05)Time of Sampling & Sampling Duration	ion 10:00 AM to 12:00 PM (120 Minutes) 08/07/2024			
06) Date of Received in Lab				
07) Analysis Start Date	08/07/2024			
(i) (i)	Make/Model No.	'AshaEnviro .		
08) Instrument Details	'Serial No.	EELRC/EQ/HS/74		
	Calibration Date	Calibration On: 06/07/2024, Due On: 05/07/2025		

RESULTS

Sr.' No.	Parameter	UOM	. Result	Limits as per Factories Act 1948	Standard Method
· 1	Total VOC (10:00 am)	mg/m ³	ND	, NS	G.C. (FID)Method
2	Total VOC (10:30 am)	mg/m ³	ND	· NS	G.C. (FID)Method
3	Total VOC (11:00 am)	mg/m ³	'ND	NS	G.C. (FID)Method
4	Total VOC (11:30 am)	mg/m ³	ND	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.



D-52/18
MIDC Waluj
Aurangabad

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	Sample ID	EEL/ABD/WP-34/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	15/07/2024

SAMPLING DETAILS

A circle A Heading Lambeau	a II-ala a dia a A				
	Acid Alkali Tanker Unloading Area				
M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd. 07/07/2024					
			08/07/2024		
			08/07/2024		
Make/Model No.	AshaEnviro				
Serial No.	EELRC/EQ/HS/74				
Calibration Date	Calibration On: .06/07/2024, Due On: 05/07/2025				
	IS 5182 (Part 1):20 M/s. Excellent Env 07/07/2024 12:00 PM to 14:00 08/07/2024 08/07/2024 Make/Model No. Serial No.				

RESULTS

Sr. No.	Parameter	UOM	Result	Limits as per Factories Act 1948	Standard Method
1 .	Total VOC (12:00 pm)	mg/m ³	ND	NS	G.C. (FID)Method
2 .	Total VOC (12:30 pm)	mg/m ³	ND	. NS	G.C. (FID)Method
.3	Total VOC (13:00 pm)	mg/m ³	ND	· NS	G.C. (FID)Method
4	Total VOC (13:30 pm)	mg/m ³	ND	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.



D-52/18 Company & Resolution of the MIDC Waluj Aurangabad & Philippin of the Middle of

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. © 0240-6641879 i 9970429991/7745069991

Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

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(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	Sample ID	EEL/ABD/WP-35/07/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	15/07/2024	

SAMPLING DETAILS

01)Location of Sampling	Near Fencing Solvent Drum Shade Area		
02) Sampling Procedure	IS 5182 (Part 1):2006		
03)Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd		
04)Date of Sampling	07/07/2024		
05) Time of Sampling & Sampling Duration	14:00 PM to 16:00 PM (120 Minutes)		
06) Date of Received in Lab	08/07/2024		
07) Analysis Start Date	08/07/2024		
M	Make/Model No.	AshaEnviro	
08) Instrument Details	Serial No.	EELRC/EQ/HS/74	
All Courses designation of this is	Calibration Date	Calibration On: 06/07/2024, Due On: 05/07/2025	

		IXL/31		300	
Sr. No.	Parameter	UOM	Result	Limits as per Factories Act 1948	Standard Method
Ĭ	Total VOC (14:00 pm)	mg/m ³	ND	NS	G.C. (FID)Method
2 '	· Total VOC (14:30 pm)	mg/m ³	ND	NS	G.C. (FID)Method
3 .	Total VOC (15:00 pm)	mg/m ³	ND .	NS	G.C. (FID)Method
4	Total VOC (15:30 pm)	mg/m³	ND ·	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.

(Dy. Quality Manager)

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	Sample ID	EEL/ABD/WP-36/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	15/07/2024

SAMPLING DETAILS

	SAMPLING DETAIL	.S.			
01)Location of Sampling	MPP Tank Unload	ling Area			
02) Sampling Procedure	IS 5182 (Part 1):20				
03)Sample Collected By		iro Laboratory & Research Center Pvt. Ltd.			
04)Date of Sampling	07/07/2024				
05) Time of Sampling & Sampling Duration	16:00 PM to 18:00	PM (120 Minutes)			
06) Date of Received in Lab	08/07/2024				
07) Analysis Start Date	08/07/2024				
P 788	Make/Model No.	AshaEnviro			
08) Instrument Details	Serial No.	EELRC/EQ/HS/74			
8 E V	Calibration Date	Calibration On: 06/07/2024, Due On: 05/07/2025			
	White Children and Co.				

RESULTS

Sr. No.	Parameter	UOM .	Result	Limits as per Factories Act 1948	Standard Method
1	Total VOC (16:00 pm)	mg/m ³	ND	NS	G.C. (FID)Method
2	Total VOC (16:30 pm)	mg/m ³	ND	NS	G.C. (FID)Method
3	Total VOC (17:00 pm)	mg/m³	ND	NS	G.C. (FID)Method
4	Total VOC (17:30 pm)	mg/m ³	ND	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.

(Mr. Praspant Patil) (Dy. Quality Manager) D-52/18
MIDC Walui
Aurangabad

Authorized Signatory

(Ms. Dhamnashila Narwade) (Dy. Technical Manager)

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Format No. EELRC/LAB/F/073-7.8

WORKPLACE AIR MONITORING REPORT

Client's Name & Address	Sample ID	EEL/ABD/WP-37/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	. 15/07/2024

SAMPLING DETAILS

01)Location of Sampling	Near Operation Bu	uilding Area			
02) Sampling Procedure	IS 5182 (Part 1):20				
03)Sample Collected By		iro Laboratory & Research Center Pvt. Ltd.			
04)Date of Sampling	07/07/2024				
05)Time of Sampling & Sampling Duration	18:00 PM to 20:00	PM (120 Minutes)			
06) Date of Received in Lab	08/07/2024				
07) Analysis Start Date	08/07/2024 .				
	Make/Model No.	AshaEnviro			
08) Instrument Details	Serial No.	EELRC/EQ/HS/74			
E E	Calibration Date	Calibration On: 06/07/2024, Due On: 05/07/2025			

RESULTS

Sr. No.	Parameter	UOM	Result	Limits as per Factories Act 1948	Standard Method
1	Total VOC (18:00 pm)	mg/m ³	ND	NS	G.C. (FID)Method
2	Total VOC (18:30 pm)	mg/m ³	ND	· .NS	G.C. (FID)Method
3	Total VOC (19:00 pm)	mg/m³	· ND	NS ·	G.C. (FID)Method
4	Total VOC (19:30 pm)	mg/m³	ND	NS	G.C. (FID)Method

UOM - Unit of Measurement, NS - Not Specified, ND - Not Detected.

Remark: - Results are within the Factories act 1948.



D-52/18 CMIDC Waluj Aurangabad

Authorized Signatory

(Ms. Dhampashila Narwade) (Dy. Technical Manager)

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Email: punesales@excellentenviro.com

Certifications: ♦ ISO 9001: 2015 ♦ ISO 14001: 2015 ♦ ISO 45001: 2018

Website: www.eelab.in/ www.excellentenviro.com

Manth	Jun-24			Date :10.06.24 t	o 17.06.24
Month	Jun-24		Standard	Actual	
Chemical	Area	TLV ppm	MSDS/ACGIH/NIOSH	Level ppm	Remark
O-Xylene	T807 and T4010 (Recovery)	100	ACGIH	ND	
	Storage tank T822 & T801 (During			.ND	
Methanol	unloading)	200	ACGIH		
	Storage tank T-4009 (Recovery)	200		ND	
	Phase 3.Cascade-1area.		1	ND	
Triethyl amine	Raw Material- storage area.	1	ACGIH	ND	
	MPP Top floor-Tox cabin			ND	
HCL	T804 (Unloading Phase 3 -	2	ACGIH	ND	
	First,second floor & Hypo area MPP-Storage Tank T6401 (During			ND	
Fomaldehyde	unloading)	0.016	NIOSH	ND	
	Storage tank T823 (During unloading	100	NIOSH	ND	
Toluene).T4012 & T4013(Recovery)				
Ammonia-aq. 25%	MPP-G- floor During IBC unlloading	25	ACGIH	ND	
Ammonia	Storage tank T- 811.			ND	
	Phase-1.ADTC reactors area 12mts.			ND	
	Phase-2. Ammonia evaporator area. 0			ND	
	mt.	65	ACCILL		
	Phase-3. 18% ammonia - Water	25	ACGIH	ND	
	mixture area 6 mts.			ND	
	Tanker unloading pad.			ND	
	Utility Area			ND	
	ETP/PTP 6.0mts.				
Acetone	Storage tank T-802 A & B.(During unloading)			ND	
	MCA Plant 0mt.			ND	
	6mts.	250	NIOSH	ND	
	12mts.			ND	
				ND	
	MPP			ND	
Benzene	Phase-2 0mt.			ND	
	6mts.	0.5	ACCILI	ND	
	12mts.	0.5	ACGIH		
	Extract benzene tank V - 504 area.			ND	
	Storage tank T - 808 .			ND	
Chlorine	Tonner unloading pad.			ND	
	Chlorine Tonner storage shed.			ND	
	Chlorine evaporator shed.	0.5	ACGIH	ND	
	MCA plant 12 mts.	0.0	7.00	ND	
	Hypo Reactor R670			ND	
	Emergency scrubber and AHCL area.			ND	
Anilina	Tanker unloading pad & storage tank		100111	ND	
Aniline	(T806)	2	ACGIH	ND	
	Phase 3.Amidine reactor area.			ND	
CS2	Tanker unloading pad & storage tank.	10	MSDS		
	Phase 1 ADTC reactor and MPP-	10	WISDS	ND	
	reactor R3101			ND	
DMF	MPP 3rd Floor			ND	
	MPP 2nd Floor	10	ACGIH	ND	
	MPP 1st Floor	10	ACOIT	ND	
	MPP Tank Farm (During unloading)			ND	
	MPP Packing				
Acetic Acid	T-826 -Tankfarm area.(During unloading)	10	ACGIH	ND	
Mono Chioro		10	ACGIH	ND	
Benzene	T-4001,T4005 and T4006 area.	10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

Checked By-

Verified By-

Month	Jul-24			Date :22.07.24 t	o 27.07.24
Month	Jui-24		Standard	Actual	Remarks
Chemical	Area	TLV ppm	MSDS/ACGIH/NIOSH	Level ppm	Remark
O Videna	T807 and T4010 (Recovery)	100	ACGIH	ND	
O-Xylene	Storage tank T822 & T801 (During	- 100		NID	
Methanol	unloading)	000	ACCILI	ND	
	Storage tank T-4009 (Recovery)	200	ACGIH	ND	
	Phase 3.Cascade-1area.			ND	
Triethyl amine	Raw Material- storage area.	1	ACGIH		
Tricking and	MPP Top floor-Tox cabin	'	ACGIT	ND	
HCL	T804 (Unloading Phase 3 -	2	ACGIH	NĐ	
102	First,second floor & Hypo area				
Fomaldehyde	MPP-Storage Tank T6401 (During unloading)	0.016	NIOSH	ND	
	Storage tank T823 (During unloading	100	NIOSH	ND	
Toluene),T4012 & T4013(Recovery)				
Ammonia-aq. 25%	MPP-G- floor During IBC unlloading	25	ACGIH		_
Ammonia	Storage tank T- 811.				
	Phase-1.ADTC reactors area 12mts.			ND	-
	Phase-2. Ammonia evaporator area. 0			ND	
	mt. Phase-3. 18% ammonia - Water	25	ACGIH	ND	
	mixture area 6 mts.				
	Tanker unloading pad.				
	Utility Area				
	ETP/PTP 6.0mts.			UND	
Acetone	Storage tank T-802 A & B.(During			ND	1
	unloading)		NIOSH	ND	
	MCA Plant 0mt.	250			
	6mts.	250		ND	
	12mts.			ND	
				ND	FILE
	MPP				
Benzene	Phase-2 0mt.				
	6mts.	0.5	ACGIH		
	12mts.	0.5	Acont		
	Extract benzene tank V - 504 area.				The second
	Storage tank T - 808.				
Chlorine	Tonner unloading pad.				
	Chlorine Tonner storage shed.				
	Chlorine evaporator shed.	0.5	ACGIH		
	MCA plant 12 mts.			ND N	
	Hypo Reactor R670				
	Emergency scrubber and AHCL area.				
Aniline	Tanker unloading pad & storage tank (T806)	2	ACGIH	ND	
	Phase 3.Amidine reactor area.				
CS2	Tanker unloading pad & storage tank.			ND	
002	Phase 1 ADTC reactor and MPP-	10	MSDS	ND	
	reactor R3101	2016		NID	
DMF	MPP 3rd Floor				
	MPP 2nd Floor	40	ACCIL		
	MPP 1st Floor	10	ACGIH		
	MPP Tank Farm (During unloading)				
	MPP Packing				
Acetic Acid	T-826 -Tankfarm area.(During unloading)	10	ACGIH	ND	
Mono Chloro		10	ACGIH	ND	
Benzene	T-4001,T4005 and T4006 area.	10	ACGIT		

Checked By-

Verified By-



MSDS-Material Safety Data Sheet.
ACGIH-The American Conference of Governmental Industrial Hygienists.
NIOSH-National Institute for Occupational Safety and Health
ND-Not Detected

** 41	Aug 24			Date :26.08.24 to	31.08.24
Month	Aug-24		Standard	Actual	
Chemical	Area	TLV ppm	MSDS/ACGIH/NIOSH/FA	Level ppm	Remarks
O-Xylene	T807 and T4010 (Recovery)	100	ACGIH	ND	
Methanol	Storage tank T822 & T801 (During unloading)	000	ACCILL	ND	
	Storage tank T-4009 (Recovery)	200	ACGIH	ND	
	Phase 3.Cascade-1area.			ND	
Triethyl amine	Raw Material- storage area.	1	ACGIH	ND	
Theaty annie	MPP Top floor-Tox cabin			ND	
HCL	T804 (Unloading Phase 3 -First, second floor & Hypo area	2	ACGIH	ND	
Fomaldehyde	MPP-Storage Tank T6401 (During unloading)	0.016 / 1	NIOSH / The Factory Act 1948(second schedule Sec.41F)	ND	
Toluene	Storage tank T823 (During unloading),T4012 & T4013(Recovery)	100	NIOSH & The Factory Act 1948 (second schedule Sec.41F)	ND	
Ammonia-aq. 25%	MPP-G- floor During IBC unlloading	25	ACGIH	ND	
Ammonia	Storage tank T- 811.			ND	
	Phase-1.ADTC reactors area 12mts.			ND	
	Phase-2, Ammonia evaporator area, 0 mt.		ACGIH & The Factory	ND	
	Phase-3. 18% ammonia - Water mixture area 6 mts.	25	Act 1948(second schedule Sec.41F)	ND	
	Tanker unloading pad.			ND	
	Utility Area			ND	
	ETP/PTP 6.0mts.			ND	
Acetone	Storage tank T-802 A & B.(During unloading)		NIOSH	ND	
	MCA Plant 0mt.			ND	
	6mts.	250		ND	
	12mts.			ND	
	MPP			ND	
Benzene	Phase-2 0mt.		ACCILL & The Feetons	ND	
	6mts.		ACGIH & The Factory	ND ND	
	12mts.	0.5	Act 1948(second schedule Sec.41F)	ND	
	Extract benzene tank V - 504 area.			ND	
	Storage tank T - 808 .			ND	
Chlorine	Tonner unloading pad.			ND	
	Chlorine Tonner storage shed.		ACGIH / The Factory Act	ND	
	Chlorine evaporator shed.	0.5 / 1	1948(second schedule	ND	
	MCA plant 12 mts.		Sec.41F)	ND ND	
	Hypo Reactor R670			ND	
Aniline	Emergency scrubber and AHCL area. Tanker unloading pad & storage tank (T806)		ACGIH & The Factory Act (second schedule	ND	
-TIMILE)	2	Sec.41F)	ND	
	Phase 3.Amidine reactor area.		MSDS & The Factory	ND	
CS2	Tanker unloading pad & storage tank.	10	Act 1948 (second		(e)
	Phase 1 ADTC reactor and MPP-reactor R3101	10	schedule Sec.41F)	ND	
DMF	MPP 3rd Floor	10	40044/54	ND	
OMF	MPP 2nd Floor			ND	
	MPP 1st Floor		ACGIH/FA	ND	
	MPP Tank Farm (During unloading)			ND ND	
	MPP Packing .			ND	
Acetic Acid	T-826 -Tankfarm area.(During unloading)	10	ACGIH	ND	
Mono Chloro Benzene	T-4001,T4005 and T4006 area.	10	ACGIH	ND	

Checked By-

Verified By-

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FA-The Factory act 1948,Sec.41F
*ND-Not Detected

Chemical Area Text Purple Text Purple Text Purple Text Purple Text Te	HÍKAL	· · · · · · · · · · · · · · · · · · ·	lace Mon			00.00.01
Chemical Area TLV ppm	Month	Sep-24				20.09.24
Methanol Storage tank T-802 & Teol During During Storage tank T-809 Recovery Phase Accepted Storage tank T-809 Recovery During	Chemical		TLV ppm	MSDS/ACGIH/NIOSH/FA	Level ppm	Remarks
Methanol Storage tank T822 & T801 (During unloading) Storage tank T-4009 (Recovery) Phase 3 Cascade - Iarea. 1	O-Xylene	T807 and T4010 (Recovery)	100	ACGIH	ND	
Storage tank T-4008 (Recovery) Phase 3.Cascade-larea. ND ND ND ND ND ND ND N			200	ACGIH		
Prince P			200	7,00		
Intertry ammon		Phase 3.Cascade-1area.				
### HOLD ### Top Indo-Tok about ### Top Indo-	Triethyl amine		1	ACGIH		
MPP 3-Storage Tank T6-401 (During unloading) 0.016 / 1		MPP Top floor-Tox cabin				
MPP Storage Tank T6401 (During unloading) 100 1948(second schedule Sec.41F) ND ND ND ND ND ND ND N	HCL		2	ACGIH	ND	
Storage tank T823 (During unloading), T4012 & T4013(Recovery) 100	Fomaldehyde		0.016 / 1	1948(second schedule	ND	
Ammonia	Toluene		100	1948 (second schedule	ND	
Ammonia Storage tank T-811. Phase-1,ADTC reactors area 12mts. Phase-2, Ammonia evaporator area. 0 mt. Phase-3, 18% ammonia - Water mixture area 6 mts. Tanker unloading pad. Utility Area ETP/PTP 6,0mts. Storage tank T-802 A & B. (During unloading) ND ND ND ND ND ND ND	Ammonia-an 25%	MPP-G- floor During IBC unlloading	25	ACGIH	ND	
Phase-1.ADTC reactors area 12mts.					ND	
Phase-1.ADIC reactors area items.	AIIIMONIA				ND	
Phase-3. 18% ammonia - Water mixture area 6 mts.				ACGIH & The Factory Act	ND	
Tanker unloading pad. ND ND ND		Phase-3. 18% ammonia - Water mixture	25		ND	
Utility Area ETP/PTP — 6.0mts ND					ND	
ETP/PTP - 6.0mts. ND					ND.	
Storage tank T-802 A & B. (During unloading)					ND	
MCA Plant 0 mt. Semily 1 mts. Semily 250 NIOSH ND ND ND ND ND ND ND N	Acetone	Storage tank T-802 A & B.(During	250		ND	8
Senzene					ND	
ND ND ND ND ND ND ND ND				NIOSH	ND	
MPP Senzene						
MPP Phase-2 Omt.		12mts.				
Benzene Phase 2 Unit. 6 mts. 12mts. 12mts. Extract benzene tank V - 504 area. Storage tank T - 808. Chlorine Tonner unloading pad. Chlorine evaporator shed. MCA plant 12 mts. Hypo Reactor R670 Emergency scrubber and AHCL area. Aniline Tanker unloading pad & storage tank (T806) Phase 3.Amidine reactor area. CS2 Tanker unloading pad & storage tank. Phase 1 ADTC reactor and MPP-reactor R3101 DMF MPP 3rd Floor MPP 1st Floor MPP Tank Farm (During unloading) MPP Packing ACGIH & The Factory Act 1948(second schedule Sec.41F) ND ACGIH & The Factory Act 1948(second schedule Sec.41F) ND ND ND ACGIH & The Factory Act 1948 (second schedule Sec.41F) ND ND ACGIH & The Factory Act 1948 (second schedule Sec.41F) ND ND ACGIH & The Factory Act 1948 (second schedule Sec.41F) ND ACGIH & The Factory Act 1948 (second schedule Sec.41F) ND ACGIH & The Factory Act 1948 (second schedule Sec.41F) ND ACGIH ND ACGIH ND ACGIH ND ACGIH ND ND ACGIH ND ND ND ND ND ND ND ND ND ACGIH ND		MPP				
12mts. 12mts. 12mts. Extract benzene tank V - 504 area. Storage tank T - 808. Chlorine Tonner unloading pad. Chlorine evaporator shed. MCA plant 12 mts. Hypo Reactor R670 Emergency scrubber and AHCL area. Tanker unloading pad & storage tank (T806) Phase 3.Amldine reactor area. CS2 Tanker unloading pad & storage tank. Phase 1 ADTC reactor and MPP-reactor R3101 DMF MPP 2nd Floor MPP 2nd Floor MPP 2nd Floor MPP Packing Acetic Acid 1948(second schedule Sec.41F) ND ACGIH & The Factory Act 1948 (second schedule Sec.41F) ND ND ACGIH ND ACGIH ND ND ACGIH ND ACGIH ND ND ND ACGIH ND	Benzene	Phase-2 0mt.				
Extract benzene tank V - 504 area. Sec.41F ND		6mts.				
Storage tank T - 808 . Chlorine Tonner unloading pad. Chlorine evaporator shed. Chlorine evaporator shed. MCA plant 12 mts. Hypo Reactor R670 Emergency scrubber and AHCL area. Tanker unloading pad & storage tank (T806) Phase 3.Amidine reactor area. CS2 Tanker unloading pad & storage tank. Phase 1 ADTC reactor and MPP-reactor R3101 MPP 2nd Floor MPP 1st Floor MPP 1st Floor MPP Packing Acetic Acid ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH & The Factory Act 1948 (second schedule Sec. 41F) ND ACGIH ND			0.5			
Storage tank 1 - 806 . Chlorine Tonner unloading pad. Chlorine evaporator shed. Chlorine evaporator shed. MCA plant 12 mts. Hypo Reactor R670 Emergency scrubber and AHCL area. Tanker unloading pad & storage tank (T806) Phase 3.Amildine reactor area. CS2 Tanker unloading pad & storage tank. Phase 1 ADT reactor and MPP-reactor R3101 Phase 1 ADT reactor and MPP-reactor R3101 MPP 3rd Floor MPP 1st Floor MPP 1st Floor MPP 2nd Factor During unloading) MPP Packing Acetic Acid ACGIH / The Factory Act 1948(second schedule Sec.41F) ND ND ND ND ND ACGIH ND				Sec.41F)		
Chlorine Tonner unloading pad. Chlorine Chlorine evaporator shed. Chlorine evaporator shed. MCA plant 12 mts. Hypo Reactor R670 Emergency scrubber and AHCL area. Aniline Tanker unloading pad & storage tank (T806) Phase 3.Amidine reactor area. Phase 1 ADTC reactor and MPP-reactor R3101 MPP 3rd Floor MPP 1st Floor MPP 2nd Floor MPP 2nd Floor MPP 2nd Farm (During unloading) MPP Packing Acetic Acid ACGIH / The Factory Act 1948(second schedule Sec.41F) ND ND ND ND ND ND ND ND ACGIH ACGIH ACGIH ACGIH ACGIH ACGIH ACGIH ND ND ND ND ND ACGIH ND ACGIH ND ACGIH ND ACGIH ND ND ND ND ND ND ND ND ND N						-
Chlorine Portner Storage Street. Chlorine evaporator shed. MCA plant 12 mts. Hypo Reactor R670 Emergency scrubber and AHCL area. Aniline Tanker unloading pad & storage tank (T806) Phase 3.Amidine reactor area. CS2 Tanker unloading pad & storage tank. Phase 1 ADTC reactor and MPP-reactor R3101 MPP 3rd Floor MPP 1st Floor MPP 1st Floor MPP Packing ACGIH 7 The Factory Act 1948 (second schedule Sec.41F) ND ND ND ND ND ND ND ND ACGIH ND	Chlorine					
Chlorine evaporator siled. MCA plant 12 mts.				1948(second schedule		
Hypo Reactor R670			0.5 / 1			
Emergency scrubber and AHCL area. ND				Sec.41F)		
Aniline Tanker unloading pad & storage tank (T806) 2 1948 (second schedule Sec. 41F) ND		Emergency scrubber and AHCL area.			ND	
Phase 3.Amidine reactor area. Sec.41F) ND	Aniline	Tanker unloading pad & storage tank	2	1948 (second schedule		
Tanker unloading pad & storage tank. Phase 1 ADTC reactor and MPP-reactor R3101 10 1948 (second schedule Sec.41F) ND		Phase 3.Amidine reactor area.		Sec.41F)		
Phase 1 ADTC reactor and MPP-reactor R3101 1948 (second schedule Sec.41F) ND	CS2	Tanker unloading pad & storage tank.			ND	
MPP 3rd Floor ND		Phase 1 ADTC reactor and MPP-reactor	10			
MPP 2nd Floor	DMF					-,
MPP Tank Farm (During unloading) MPP Packing Acetic Acid T-826 -Tankfarm area.(During unloading) 10 ACGIH ND ND ND ND ND ND			40	ACCILI		
MPP Tank Farm (During Unloading) ND MPP Packing T-826 -Tankfarm area.(During unloading) 10 ACGIH ND		MPP 1st Floor	10	ACGIM		
Acetic Acid T-826 -Tankfarm area.(During unloading) 10 ACGIH ND				7		
	Acetic Acid		10	ACGIH		
			10	ACGIH	ND	

MSDS-Material Safety Data Sheet.
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NIOSH-National Institute for Occupational Safety and Health
FA-The Factory act 1948,Sec.41F
*ND-Not Detected

HİKAL	AAOIK	lace Mon			20.40.24
Month	Oct-24			Date :15.10.24 to	20.10.24
		TLV ppm	Standard	Actual	Remarks
Chemical	Area		MSDS/ACGIH/NIOSH/FA	Level ppm	
O-Xylene	T807 and T4010 (Recovery)	100	ACGIH	ND	
Methanol	Storage tank T822 & T801 (During			ND	
Methanol	unloading)	200	ACGIH	ND	
	Storage tank T-4009 (Recovery)			ND	
	Phase 3.Cascade-1area.			ND	
Triethyl amine	Raw Material- storage area. MPP Top floor-Tox cabin	1	ACGIH	ND	
	T804 (Unloading Phase 3 -First, second		10011	ND	
HCL	floor & Hypo area	2	ACGIH	ND	
Fomaldehyde	MPP-Storage Tank T6401 (During unloading)	0.016 / 1	NIOSH / The Factory Act 1948(second schedule Sec.41F)	ND	
Toluene	Storage tank T823 (During unloading),T4012 & T4013(Recovery)	100	NIOSH & The Factory Act 1948 (second schedule Sec.41F)	ND	
Ammonio on 259/	MPP-G- floor During IBC unlloading	25	ACGIH	ND	
				ND	
Ammonia	Storage tank T- 811.			ND	
	Phase-1.ADTC reactors area 12mts.				
	Phase-2. Ammonia evaporator area. 0 mt.		ACGIH & The Factory Act	ND	
	Phase-3. 18% ammonia - Water mixture	25	1948(second schedule Sec.41F)	ND	
	area 6 mts.			ND	
	Tanker unloading pad.			ND ND	
	Utility Area			ND	
	ETP/PTP 6.0mts.				
Acetone	Storage tank T-802 A & B.(During unloading)	250	NIOSH	ND	
	MCA Plant 0mt.			ND	
	6mts.			ND	V .
				ND	
	12mts.			ND	
	MPP			ND	
Benzene	Phase-2 0mt.		ACGIH & The Factory Act	ND	
	6mts.	0.5	1948(second schedule	ND	
	12mts.	0.5	Sec.41F)	ND	
	Extract benzene tank V - 504 area.		Gos. III /	ND	
	Storage tank T - 808 . Tonner unloading pad.			ND	
Chiorine	Chlorine Tonner storage shed.			ND	
	Chlorine evaporator shed.	0.5.14	ACGIH / The Factory Act	ND	13 7 -
	MCA plant 12 mts.	0.5 / 1	1948(second schedule Sec.41F)	ND	
	Hypo Reactor R670		000.411 /	ND	
	Emergency scrubber and AHCL area.			ND	
Aniline	Tanker unloading pad & storage tank		ACGIH & The Factory Act	ND	
Amane	(T806)	2	1948 (second schedule	ND	
	Phase 3.Amidine reactor area.		Sec.41F) MSDS & The Factory Act	ND ND	
CS2	Tanker unloading pad & storage tank. Phase 1 ADTC reactor and MPP-reactor	10	1948 (second schedule	ND	
	R3101		Sec.41F)		
DMF	MPP 3rd Floor			ND ND	
	MPP 2nd Floor	40	ACGIH	ND ND	
	MPP 1st Floor	10	AUGIN	ND ND	
	MPP Tank Farm (During unloading)			ND	
	MPP Packing	10	ACGIH	ND	
Acetic Acid	T-826 -Tankfarm area.(During unloading)	10	ACGII I	1,15	
Mono Chloro Benzene	T-4001,T4005 and T4006 area.	10	ACGIH	ND	

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Month	Nov-24			Date :15.11.24 to	20.11.24
Month	1404-24		Standard	Actual	Remarks
Chemical	Area	TLV ppm	MSDS/ACGIH/NIOSH/FA	Level ppm	Kemark
O-Xylene	T807 and T4010 (Recovery)	100	ACGIH	ND	
Methanol	Storage tank T822 & T801 (During			ND	
Wiethanoi	unloading)	200	ACGIH	ND	
	Storage tank T-4009 (Recovery)			ND ND	
Totalkal amiles	Phase 3.Cascade-1area. Raw Material- storage area.			ND ND	-
Triethyl amine	MPP Top floor-Tox cabin	1	AÇGIH	ND	
	T804 (Unloading Phase 3 -First, second		ACCILI	ND	
HCL	floor & Hypo area	2	ACGIH	ND	
Fomaldehyde	MPP-Storage Tank T6401 (During unloading)	0.016 / 1	NIOSH / The Factory Act 1948(second schedule Sec.41F)	ND	
Toluene	Storage tank T823 (During unloading),T4012 & T4013(Recovery)	100	NIOSH & The Factory Act 1948 (second schedule Sec.41F)	ND	
Ammonia-aq. 25%	MPP-G- floor During IBC unlloading	25	ACGIH	ND	
	Storage tank T- 811.			ND	
Ammonia				ND	
	Phase-1.ADTC reactors area 12mts.	290		ND	1 4 7 1
	Phase-2. Ammonia evaporator area. 0 mt.	25	ACGIH & The Factory Act 1948(second schedule	NO.	
	Phase-3. 18% ammonia - Water mixture area 6 mts.	20	Sec.41F)	ND	
	Tanker unloading pad.			ND	
	Utility Area			ND	
	ETP/PTP — 6.0mts.			ND	
cetone Ste	Storage tank T-802 A & B.(During unloading)	250	NIOSH	ND	
	MCA Plant 0mt.			ND	
	6mts.			ND	
	12mts.			ND	
	MPP			ND	
Benzene	Phase-2 0mt.			ND	
	6mts.		ACGIH & The Factory Act	ND	
	12mts.	0.5	1948(second schedule	ND	
	Extract benzene tank V - 504 area.		Sec.41F)	ND ND	
	Storage tank T - 808 .			ND	
Chlorine	Tonner unloading pad.			ND	
	Chlorine Tonner storage shed. Chlorine evaporator shed.		ACGIH / The Factory Act	ND	
	MCA plant 12 mts.	0.5 / 1	1948(second schedule	ND	
	Hypo Reactor R670		Sec.41F)	ND	
	Emergency scrubber and AHCL area.	2		ND	
Aniline	Tanker unloading pad & storage tank	2	ACGIH & The Factory Act 1948 (second schedule	ND	
	(T806)	2	Sec.41F)	ND	
cea	Phase 3.Amidine reactor area. Tanker unloading pad & storage tank.		MSDS & The Factory Act	ND	
CS2	Phase 1 ADTC reactor and MPP-reactor	10	1948 (second schedule Sec.41F)	ND	
NIE.	R3101		360.4117	ND	
OMF	MPP 3rd Floor MPP 2nd Floor			ND	
	MPP 1st Floor	10	ACGIH	ND	
	MPP Tank Farm (During unloading)			ND	
	MPP Packing			ND	
Acetic Acid	T-826 -Tankfarm area.(During unloading)	10	ACGIH	ND	
Mono Chloro Benzene	T-4001,T4005 and T4006 area.	10	ACGIH	ND	

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FA-The Factory act 1948, Sec. 41F
*ND-Not Detected

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance

Format No. FELRC LAB/F/067-7/8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-21/06/2024-25
M/S. HIKAL LTD., T = 21, M. L. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024

S	AMPLING DETAILS			
(11) Location of Sampling	S = 1 DG Set 1500 KVA			
02) Sampling Procedure	18 11255			
03)Sample Volume	Thimble: 1×3 no.SO ₂ : 30 ml ×1 no. (Plastic Bottle) NO ₃ : 30 ml ×1 no. (Plastic Bottle)			
04) Sample Status (Sealed/Unsealed.)	Sealed			
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd		
06) Date of Sampling	18/06/2024			
07) Time of Sampling & Sampling Duration	12:00 PM (30 min)			
08) Date of Received in Lab	19/06/2024			
09) Analysis Start Date	19/06/2024			
10) Material of Stack	MS			
11) Stack Height above roof	6.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	384 K			
14) Differential Pressure	1.2mmWC			
15) Velocity	4.08m/sec			
16) Diameter of Stack	0.1524 meter			
17) Stack Area	0.01824 m			
18) Gas Volume	207,908Nm³/hr			
19) Fuel Used	Diesel	0		
	Make/ Model No.	Asha Enviro&350		
20) Instrument Details	Scrial No.	FELRC/EQ/SK/55		
20) Instrument Details	Calibration Date	Calibration on:06/07/2023, Due Ou:06/07/2024		

		RESU	LT		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Festing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	65.7	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	0.93	<160	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO2)	mg/Nm ²	0.34	-	IS 11255 (Part 7):2005

UOM - Unit of Measurement

Remark- Total Particulate Matter (TPM) & Sulphur Dioxide (SO2) results are within MPCB Limit. Reviewed By **Authorized Signatory**

(Mr. Prasham Patil)

(Dv. Quality Manager)

Lerms and Conditions

The Report is valid for tested sample only

The results shown in this test report may differ based on various factors inclinding temperature, humidity, pressure, retention time etc.

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Page | of 1

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REGISTERED OFFICE: D. 52/18. MIDC Walui, Chh. Samhhajinagar (Aurangabad) - 431-136 = 0240-6641879 x 9970429991/7745069991

Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

MUMBAI OFFICE: Dhawaigiri Co-op, Hisg Society, Building No. I. Flat No. B-3, Near Peace Park Hotel, Thans Naka, Panvel - 410 206 v. 08652671991 Email: kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com

B zone 410-41, 4th floor Near Vijay Sales, Puny-Mombai Road, Chinchwad, Pune - 411019 x 7447439991

Email: punesales@excellentenviro.com
Description of the control of the contro

(Ms. Phammashila Narwade)

(Dy. Technical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-21/06/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024	

SAMPL	ING	DETA	ILS

S	AMPLING DETAILS				
01) Location of Sampling	S-1 DG Set 1500 KV	A			
02) Sampling Procedure	IS 11255				
03)Sample Volume	. Thimble: 1×1no.SO ₂ : 30 ml ×1 no. (Plastic Bottle) NO _x : 30 ml ×1 no. (Plastic Bottle)				
04) Sample Status (Sealed/Unsealed)	Sealed	3			
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd			
06) Date of Sampling	18/06/2024	End of the research center I vi. Eld			
07) Time of Sampling & Sampling Duration	12:00 PM (30 min)				
08) Date of Received in Lab	19/06/2024				
09) Analysis Start Date	19/06/2024				
10) Material of Stack	MS				
11) Stack Height above roof	6.0 meters				
12) Type of Stack	Round				
13) Flue Gas Temperature	384 K				
14) Differential Pressure	1.2mmWC				
15) Velocity	4.08m/sec				
16) Diameter of Stack	0.1524 meter				
17) Stack Area	0.01824 m ²				
18) Gas Volume	207.908Nm ³ /hr				
19) Fuel Used	Diesel	8			
100	Make/ Model No.	Asha Enviro&350			
20) Instrument Details	Serial No.	EELRC/EQ/SK/55			
wy more unitent Details	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024			

RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	65.7	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	0.93	<160	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	0.34	-	IS 11255 (Part 7):2005

UOM - Unit of Measurement

Remark-Total Particulate Matter (TPM) & Sulphur Dioxide (SO2) results are within MPCB Limit. Reviewed By Authorized Signatory

(Mr. Prashant Patil) (Dy. Quality Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

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(Ms. Dhammashila Narwade)

(Dy.Technical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-22/06/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024	

	SAMPL	ING	DETA	ILS
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	AMPLING DETAILS				
01) Location of Sampling	S-2&S-3 Steam Boile	r (B – 920 A/B)			
02) Sampling Procedure	IS 11255				
03)Sample Volume	Thimble: 1×1no.SO ₂ : 30 ml ×1 no. (Plastic Bottle) NO ₃ : 30 ml ×1 no. (Plastic Bottle)				
04) Sample Status (Sealed/Unsealed)	Sealed				
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd			
06) Date of Sampling	18/06/2024	a resourch Center I vit Etc			
07) Time of Sampling & Sampling Duration	12:35PM (30 min)				
08) Date of Received in Lab	19/06/2024				
09) Analysis Start Date	19/06/2024				
10) Material of Stack	MS				
11) Stack Height above roof	40.0 meters				
12) Type of Stack	Round				
13) Flue Gas Temperature	445 K				
14) Differential Pressure	3.5mmWC				
15) Velocity	7.49 m/sec				
16) Diameter of Stack	1.5 meter				
17) Stack Area	1.767 m ²				
18) Gas Volume	31906.349Nm ³ /hr				
19) Fuel Used	LSHS/Natural gas				
. M	Make/ Model No.	Asha Enviro&350			
20) Instrument Details	Serial No.	EELRC/EQ/SK/55			
20) instrument Details	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024			

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	65.0	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	41.8	<621	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	39.5	< 50	IS 11255 (Part 7):2005

UOM - Unit of Measurement

Remark- Total Particulate Matter (TPM), Nitrogen Dioxide (NO2)&Sulphur Dioxide (SO2) results are within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

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Authorized Signatory

(Ms. Dhammashila Narwade)

(by. Technical Manager)

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(Formerly known as Excellent Enviro Laboratory & Research Center) Master in 'Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-23/06/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024

SAMPLING DETAILS 01) Location of Sampling S-5 Ventilation Blower - Plant - 1 (BLW - 201) 02) Sampling Procedure IS 11255 03)Sample Volume Thimble: 1×1no. 04) Sample Status (Sealed/Unsealed) Sealed 05) Sample Collected By M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd 06) Date of Sampling 18/06/2024 07) Time of Sampling & Sampling Duration 01:10 PM (30 min) 08) Date of Received in Lab 19/06/2024 09) Analysis Start Date 19/06/2024 10) Material of Stack MS 11) Stack Height above roof 27.0 meters 12) Type of Stack Round 13) Flue Gas Temperature 301 K 14) Differential Pressure 1.3mmWC 15) Velocity 3.75 m/sec 16) Diameter of Stack 0.53 meter 17) Stack Area 0.2206 m² 18) Gas Volume 2948.418Nm3/hr 19) Fuel Used Make/ Model No. Asha Enviro&350 Serial No. EELRC/EQ/SK/55 20) Instrument Details

> Calibration Date RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	25.1	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit,

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

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Authorized Signatory

(Ms. Dhanmashila Narwade)

(Dy.Technical Manager)

Calibration on:06/07/2023, Due

On:06/07/2024

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-24/06/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024

S	AMPLING DETAILS		
01) Location of Sampling .	S – 6 Acid Scrubber (C – 502)		
02) Sampling Procedure	· IS 11255		
03)Sample Volume			
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	18/06/2024	or resourch Senter 17th Etc	
07) Time of Sampling & Sampling Duration	01:45 PM (30 min)		
08) Date of Received in Lab	19/06/2024		
09) Analysis Start Date	19/06/2024		
10) Material of Stack	MS		
11) Stack Height above roof	25.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	310K		
14) Differential Pressure	1.8mmWC		
15) Velocity	4.48m/sec		
16) Diameter of Stack	0.45 meter		
17) Stack Area	0.15904 m ²		
18) Gas Volume	2465.707 Nm ³ /hr		
19) Fuel Used			
	· Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
20) instrument Details	Calibration Date	Calibration on:06/07/2023, Due	

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Acid Mist	mg/Nm ³	1.9	<20	

UOM - Unit of Measurement.

Remark- Acid Mist result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil)

(Dy. Quality Manager)

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Authorized Signatory

(Ms. Dhammashila Narwade)

(Dy. Technical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in 'Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-25/06/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024

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	AMPLING DETAILS		
01) Location of Sampling	S-7 Vent Sorb Blowe	er Plant - 2 (BLW - 501)	
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Lt	
06) Date of Sampling	18/06/2024	- The second of the second sec	
07) Time of Sampling & Sampling Duration	02:20 PM (30 min)		
08) Date of Received in Lab	19/06/2024	A.	
09) Analysis Start Date	19/06/2024		
10) Material of Stack	MS		
11) Stack Height	25.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	299 K		
14) Differential Pressure	1.4mmWC		
15) Velocity	3.88 m/sec		
16) Diameter of Stack	0.1 meter		
17) Stack Area	0.007854 m ²		
18) Gas Volume	109.338Nm ³ /hr		
19) Fuel Used	-		
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024	

RESULT

Sr. Result of MPCB Parameter **UOM Testing Method** No. Sample Limit Total Particulate Matter (TPM) mg/Nm3 <150 IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

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Authorized Signatory .

(Ms. Dirammashila Narwade)

(Dy. Vechnical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in 'Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-26/06/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024

O1) Longtion of Samuel	AMPLING DETAILS		
01) Location of Sampling	S-8 Vent Sorb Blow	er Plant - 3 (BLW - 605)	
02) Sampling Procedure	IS 11255		
03)Sample Volume	-		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	18/06/2024	Z STATE OF THE LICE	
07) Time of Sampling & Sampling Duration	02:55 PM (30 min)		
08) Date of Received in Lab	19/06/2024		
09) Analysis Start Date	19/06/2024		
10) Material of Stack	MS		
11) Stack Height	13.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	316 K		
14) Differential Pressure	1.6mmWC		
15) Velocity	4.27 m/sec		
16) Diameter of Stack	0.334 meter		
17) Stack Area	0.08762 m ²		
18) Gas Volume	1270.173Nm ³ /hr		
19) Fuel Used			
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
¥.	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024	

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1.	CS ₂	mg/Nm ³ ,	< 0.01		IS 11255 (Part-4)
2	Organic Concentrations	mg/Nm ³	2.1	<100	GC

UOM – Unit of Measurement.

Remark- Organic Concentrations result is within MPCB-Limit,

Reviewed B

(Mr. Prashant Patil)

(Dy. Quality Manager)

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Authorized Signatory

(Ms. Dhammashila Narwade)

(Dy. Technical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring," Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-27/06/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024

S	AMPLING DETAILS		
01) Location of Sampling	S-10 Emergency Chi	orine Blower	
02) Sampling Procedure	IS 11255		
03)Sample Volume			
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	18/06/2024	, as the second of the little	
07) Time of Sampling & Sampling Duration	03:30 PM (30 min)		
08) Date of Received in Lab	19/06/2024		
09) Analysis Start Date	19/06/2024		
10) Material of Stack	MS		
11) Stack Height above roof	17.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	307 K		
14) Differential Pressure	1.2mmWC		
15) Velocity	3.64 m/sec		
16) Diameter of Stack	0.85 meter		
17) Stack Area	0.5675 m ²		
18) Gas Volume	7218.511Nm ³ /hr		
19) Fuel Used	PRODUCTION AND ADDRESS OF THE PRODUC		
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
,	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024	

RESULT

Sr. No.	Parameter ·	UOM	Result of Sample	MPCB Limit	Testing Method
1	Chlorine (Cl ₂)	mg/Nm ³	0.9	<5.0	IS 5182 (Part – 19)

UOM - Unit of Measurement.

Remark- Acid Mist result is within MPCB Limit.

(Mr. Prashant Patil)

Reviewed By

(Dy. Quality Manager)

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Authorized Signatory

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(Dy. Techpical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring,
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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-28/06/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024

	0		
	AMPLING DETAILS		
01) Location of Sampling	S – 11 Ammonia Scrubber (C – 1203)		
02) Sampling Procedure	IS 11255		
03)Sample Volume	ALXEN		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	18/06/2024	Telescaren Center I vi. Et	
07) Time of Sampling & Sampling Duration	04:05 PM (30 min)		
08) Date of Received in Lab	19/06/2024		
09) Analysis Start Date	19/06/2024		
10) Material of Stack	MS		
11) Stack Height above roof	20.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	314 K		
14) Differential Pressure	1.5mmWC		
15) Velocity	4.12 m/sec		
16) Diameter of Stack	0.05 meter		
17) Stack Area	. 0.019635 m ²		
18) Gas Volume	276.386Nm ³ /hr		
19) Fuel Used		- 24	
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
a second betains	Calibration Date	Calibration on:06/07/2023, Due	

RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Ammonia (NH ₃)	mg/Nm ³	17.1	<50.0	IS 11255 (Part - 6)

UOM - Unit of Measurement.

Remark- Ammonia (NH3) result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

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Authorized Signatory

(Ms. Dhampashila Narwade)

(Dy Pechnical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-29/06/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024

01) Location of Sampling	AMPLING DETAILS	On (DI W. (Od)	
02) Sampling Procedure	S – 12 Bag Filter Blow IS 11255	ver (BLW - 601)	
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	18/06/2024	Endoratory & Research Center FVI. Lit	
07) Time of Sampling & Sampling Duration	04:40 PM (30 min)		
08) Date of Received in Lab	19/06/2024		
09) Analysis Start Date	19/06/2024		
10) Material of Stack	MS		
11) Stack Height	22.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	305 K		
14) Differential Pressure	1.3mmWC		
15) Velocity	3.78 m/sec		
16) Diameter of Stack	0.315 meter		
17) Stack Area	0.07793 m^2		
18) Gas Volume	1036.133Nm ³ /hr		
19) Fuel Used	Ten ne		
a a	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
SO COLUMN AND THE PROPERTY OF THE STATE OF T	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024	

RESILLT

Sr.					
No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	41.0	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

Terms and Conditions

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· Page 1 of 1

Authorized Signatory

(Ms. Dhammashila Narwade)

(Dy.Technical Manager)

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MOEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. @ 0240-6641879 (9970429991/7745069991

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Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-30/06/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	27/06/2024	

11.20011, 410200		5 (2010) (0.3010.5070.5070.5070.5070.5070.5070.5070.5		
. S	AMPLING DETAILS			
01) Location of Sampling	S-13 Bag Filter Blow	er (BLW - 602)		
02) Sampling Procedure	IS 11255			
03)Sample Volume	Thimble: 1×1no.			
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Lt		
06) Date of Sampling	19/06/2024	Substituting & Research Center I vi. Li		
07) Time of Sampling & Sampling Duration	11:00 AM (30 min)			
08) Date of Received in Lab	20/06/2024			
09) Analysis Start Date	20/06/2024	***		
10) Material of Stack	MS			
11) Stack Height	22.0 meters			
12) Type of Stack	Round 313 K			
13) Flue Gas Temperature				
14) Differential Pressure	1.7mmWC			
15) Velocity	4.38 m/sec			
16) Diameter of Stack	0.25 meter			
17) Stack Area	0.04909 m ²			
18) Gas Volume '	736.956Nm ³ /hr			
19) Fuel Used	(mm)			
	Make/ Model No.	Asha Enviro&350		
20) Instrument Details	Serial No.	EELRC/EQ/SK/55		
E E	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024		

RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
I	Total Particulate Matter (TPM)	mg/Nm ³	43.0	<150	IS 11255(Part 1):1985
0.00	The second secon	1118/11/11	7070	130	15 11255(Part 1):1985

UOM - Unit of Measurement.

Remark-Total Particulate Matter (TPM)result is within MPCB Limit.

(Mr. Prashant Patil) (Dy. Quality Manager)

Reviewed By

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Authorized Signatory

(Ms. Dhanmashila Narwade)

(Dy.Technical Manager)

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REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

MUMBAI OFFICE: Dhawalgiri Co-op, Hsg. Society, Building No.1, Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 © 08652671991 Email: kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com

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Email: punesales@excellentenviro.com

A ISO 0001. 2015 A ISO 14001. 2015 A ISO 45001. 2018 Waheita · www aplah in / www avcallantanviro com

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	· Sample ID.	EEL/ABD/S-31/06/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	27/06/2024

- 21, 11. 1. D. C. Alta, TALOJA, 410200			
	AMPLING DETAILS		
01) Location of Sampling	S-14 Bag Filter Blowe	r (BLW - 603)	
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro L	aboratory & Research Center Pvt. Lt.	
06) Date of Sampling	19/06/2024	, as resource contest that Lie	
07) Time of Sampling & Sampling Duration	11:35AM (30 min)		
08) Date of Received in Lab	20/06/2024	76	
09) Analysis Start Date	20/06/2024	Y.	
10) Material of Stack	MS		
11) Stack Height	22.0 meters		
12) Type of Stack	Round	V	
13) Flue Gas Temperature	309 K		
14) Differential Pressure	1.4mmWC		
15) Velocity	3.95 m/sec		
16) Diameter of Stack	0.25 meter		
17) Stack Area	0.04909 m ²		
18) Gas Volume	673.209Nm ³ /hr	*	
19) Fuel Used	100		
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024	

RESULT Result of MPCB Parameter UOM **Testing Method** No. Sample Limit Total Particulate Matter (TPM) mg/Nm3 37.0 <150 IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM) result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil)

(Dy. Quality Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

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ICA ANAT. DATE & ICA 14001 . DATE & ICA 4EAAT. DATE

Waheita - www aalah in / www avcollentanvira com

Authorized Signatory

(Ms. Dhanmashila Narwade)

(Dy. Technical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-04/07/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting		

S	AMPLING DETAILS		
01) Location of Sampling	S-1 DG Set 1500 KVA		- 10
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.SO ₂ : 30 ml ×1 no. (Plastic Bottle) NO ₃ : 30 ml ×1 no. (Plastic Bottle)		
04) Sample Status (Sealed/Unsealed)	Sealed	see Bottle)	
05) Sample Collected By	M/s. Excellent Enviro l	aboratory & Dassey	L C
06) Date of Sampling	01/07/2024	daboratory & Researc	n Center Pvt. Ltd
07) Time of Sampling & Sampling Duration	11:00 AM (30 min)		-
08) Date of Received in Lab	02/07/2024		
09) Analysis Start Date	02/07/2024		
10) Material of Stack	MS		
11) Stack Height above roof	6.0 meters		
(2) Type of Stack	Round		
13) Flue Gas Temperature	381 K		
14) Differential Pressure	1.3mmWC		
15) Velocity	4.22m/sec	ata a salah sa	
16) Diameter of Stack	. 0.1524 meter		
17) Stack Area	0.01824 meter		
18) Gas Volume .	216.736Nm ³ /hr		
19) Fuel Used	Diesel		3.50
20) Instrument Details	Make/ Model No.	Asha Enviro&350	
	Serial No.		
		EELRC/EQ/SK/55 Calibration on:06/07/2023, Due	
	Calibration Date	On:06/07/2024	/07/2023, Due

RESULT Result of Sr. No. Parameter **UOM** MPCB Limit Testing Method Sample Total Particulate Matter (TPM) mg/Nm3 61.4 <150 IS 11255(Part 1):1985 2 Sulphur Dioxide (SO₂) Kg/day 1.37 <160 IS 11255 (Part 2):1985 3 Nitrogen Dioxide (NO2) mg/Nm^3 0.69 IS 11255 (Part 7):2005

UOM - Unit of Measurement

Remark- Total Particulate Matter (TPM) & Sulphur Dioxide (SO2) results are within MPCB Limit. Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager) MIDC Walui Aurangabad Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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oratory & Research Center Pvt. Ltd.

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-05/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	09/07/2024

	AMPLING DETAILS		
01) Location of Sampling	S-2&S-3 Steam Boiler	# N	
02) Sampling Procedure .	IS 11255		
03)Sample Volume	Thimble: 1×1no.SO ₂ : 3 NO _x : 30 ml ×1 no. (Pla	80 ml ×1 no. (Plastic Bot stic Bottle)	tle)
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research	Center Pvt. Ltd
06) Date of Sampling	01/07/2024		1 7 / 10.00 1/2
07) Time of Sampling & Sampling Duration	11:35AM (30 min)		
08) Date of Received in Lab	02/07/2024		
09) Analysis Start Date	02/07/2024 ·		100
10) Material of Stack	MS		a a
11) Stack Height above roof	40.0 meters		
12) Type of Stack	Round	M	
13) Flue Gas Temperature	442 K	-	
14) Differential Pressure	3.1mmWC		
15) Velocity	7.03 m/sec		
16) Diameter of Stack	1.5 meter		140
17) Stack Area	1.767 m ²		
18) Gas Volume	30150.073Nm ³ /hr		W .
19) Fuel Used	LSHS/Natural gas		T N
	· Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	5
20) HISH BILLERY DELAIRS	Calibration Date	Calibration on:06/ On:06/07/2024	

Şr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	62.6.0	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	43.5	<621	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	34.8	<50	IS 11255 (Part 7):2005

UOM - Unit of Measurement

Remark-Total Particulate Matter (TPM), Nitrogen Dioxide (NO2)&Sulphur Dioxide (SO2) results are within MPCB Limit.

(Mr. Prashant Patil)

(Dy. Quality Manager)

Authorized Signatory Ms. Dhammashila Narwade) MIDC Walui (by. Technical Manager) lurangabac

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-06/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	09/07/2024

01) Location of Sampling	S – 5 Ventilation E	.s Blower – Plant – 1 (BLW – 2	01)
02) Sampling Procedure	IS 11255	N0	
03)Sample Volume	Thimble: 1×1no.	Ø/a	
04) Sample Status (Sealed/Unsealed)	Sealed	* 2	
05) Sample Collected By	M/s. Excellent Env	iro Laboratory & Research	Center Pvt. Ltd.
06) Date of Sampling	01/07/2024		
07) Time of Sampling & Sampling Duration	12:10 PM (30 min)		
08) Date of Received in Lab	02/07/2024	20	
09) Analysis Start Date	02/07/2024		
10) Material of Stack	MS . ·		
11) Stack Height above roof	27.0 meters		
12) Type of Stack	Round		25
13) Flue Gas Temperature	304 K		Wi
14) Differential Pressure	1.4mmWC		
15) Velocity	3.92 m/sec		7.00
16) Diameter of Stack	0.53 meter		
17) Stack Area	0.2206 m ²		
18) Gas Volume .	3051.664Nm ³ /hr		
19) Fuel Used	-		*
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EEĽRC/EQ/SK/55	
- The second petalis	. Calibration Date	Calibration on:06/07/2023 On:06/07/2024	3, Due

Sr. No.	Parameter	UOM .	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm³	21.9	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

(Dy. Quality Manager)

AIDC Walu

Authorized Signatory

Ms. Drammashila Narwade) (Dy. Technical Manager)

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REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

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Laboratory & Research Center Pvt. Ltd

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-07/07/2024-25
M/S. HIKAL/LTD., T – 21, M. L. D. C. Area, TALOJA, 410208	Date of Reporting	09/07/2024

. S	AMPLING DETAILS		- U
01) Location of Sampling	S-6 Acid Scrubber (C-	- 502)	
02) Sampling Procedure	IS 11255		
03)Sample Volume	G		
04) Sample Status (Sealed/Unsealed)	Sealed		3,7((
05) Sample Collected By	M/s. Excellent Enviro La	boratory & Research	Center Pvt 1 td
06) Date of Sampling	01/07/2024	, and y de recourt en	Center I vt. Litt
07) Time of Sampling & Sampling Duration	. 12:45 PM (30 min)		
08) Date of Received in Lab	02/07/2024		
09) Analysis Start Date	02/07/2024		*11
10) Material of Stack	MS		
11) Stack Height above roof	25.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	307K		
14) Differential Pressure	1.9mmWC		
15) Velocity	4.58m/sec	- 6	
16) Diameter of Stack	0.45 meter		
17) Stack Area	0.15904 m ²		
18) Gas Volume .	254.438Nm ³ /hr	10	
19) Fuel Used			
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
of mondification of the second	Calibration Date	Calibration on:06/ On:06/07/2024	

RESULT Result of **MPCB** Limit

Sr. No. Parameter · UOM Testing Method Sample Acid Mist. mg/Nm3 2.3 <20

UOM - Unit of Measurement.

Remark- Acid Mist result is within MPCB Limit.

(Mr. Prashant Patil) (Dy. Quality Manager) MIDC Walu urangaba

Authorized Signatory

(Ms. Dhan/mashila Narwade) (Dy. Technical Manager)

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REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431, 136. 20240-6641879 9970429991/7745069991

Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

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aboratory & Research Center Pvt. Ltd.

(Formerly known as Excellent Enviro Laboratory & Research Center)
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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-08/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	09/07/2024

S	AMPLING DETAILS	1	7 2
01) Location of Sampling	S-7 Vent Sorb Blower Plant - 2 (BLW - 501)		
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed	NI NI	- K
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research	Center Pvt. Lt
06) Date of Sampling	01/07/2024		3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
07) Time of Sampling & Sampling Duration	01:20 PM (30 min)		50
08) Date of Received in Lab	02/07/2024		
09) Analysis Start Date	02/07/2024	W.,	U.S.
10) Material of Stack	MS ·		
11) Stack Height	· 25.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	295 K		
14) Differential Pressure	1.6mmWC		
15) Velocity	4.12 m/sec		
16) Diameter of Stack	0.1meter		
17) Stack Area	0.007854 m ²		
18) Gas Volume	117.675Nm ³ /hr		
19) Fuel Used	** *		20
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	5 .
	Calibration Date	Calibration on:06/ On:06/07/2024	

	E.	KESU	LI		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1.	Total Particulate Matter (TPM)	mg/Nm ³	24.6	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM) result is within MPCB Limit.

Reviewed By (Dy. Quality Manager) IDC Walu

Authorized Signatory

(Ms. Djammashila Narwade) (Dy/Technical Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

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PUNE OFFICE: 'B' zone 410-41, 4th floor, Near Vijay Sales, Pune-Mumbai Road, Chinchwad, Pune-411019 7447439991

aboratory & Research Center Pvt. Ltd

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

, Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-09/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	09/07/2024

S	AMPLING DETAILS		
01) Location of Sampling	S-8 Vent Sorb. Blowe	r Plant - 3 (BLW - 605)	
02) Sampling Procedure	IS 11255		
03)Sample Volume		8)	
04) Sample Status (Sealed/Unsealed)	Sealed	THE STATE OF THE S	
05) Sample Collected By	M/s. Excellent Enviro 1	aboratory & Research Center Pvt. Ltd	
06) Date of Sampling	01/07/2024	· · · · · · · · · · · · · · · · · · ·	
07) Time of Sampling & Sampling Duration	01:55 PM (30 min)		
08) Date of Received in Lab	02/07/2024		
09) Analysis Start Date	02/07/2024		
10) Material of Stack	MS	350	
11) Stack Height	13.0 meters		
12) Type of Stack	Round	* 4	
13) Flue Gas Temperature	312K	670 S	
14) Differential Pressure	1.7mmWC		
15) Velocity	4.37 m/sec	12	
16) Diameter of Stack	0.334 meter		
17) Stack Area	0.08762 m ²		
18) Gas Volume	1316.585Nm ³ /hr		
19) Fuel Used			
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
5 11 11 11 11 11 11 11 11 11 11 11 11 11	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024	

38		RESU	LT		400	*
Sr. No.	Parameter .	UOM	Result of Sample	MPCB Limit	Testing Method	
1	CS ₂	mg/Nm ³	< 0.01		IS 11255 (Part-4)	
2	Organic Concentrations	mg/Nm ³	2.6	<100	GC	\neg
THEY BUT	## 1 150% yet terakhada Serminak beseria bilanda a				(2,000)	

UOM - Unit of Measurement.

Remark- Organic Concentrations result is within MPCB Limit.

(Dy. Qualit) Manager)

Authorized Signatory

Ms/Dhammashila Narwade) (Dy. Technical Manager)

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MUMBAI OFFICE: Dhawalgiri Co-op, Hsg. Society, Building No.1, Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 & 08652671991

Email: kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com

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Master in "Water & Waste Water Treatment, Monitoring,
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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	. EEL/ABD/S-10/07/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	09/07/2024	

S	SAMPLING DETAILS		
01) Location of Sampling	S-10 Emergency Chlo	orine Blower	
02) Sampling Procedure	IS 11255		
03)Sample Volume			
04) Sample Status (Sealed/Unsealed)	Sealed ·		
05) Sample Collected By	M/s. Excellent Enviro I	aboratory & Research	Conton Dut 14
06) Date of Sampling	01/07/2024	suboratory & Research	Center Pvt. Ltt
07) Time of Sampling & Sampling Duration	02:30 PM (30 min)		(a)
08) Date of Received in Lab	02/07/2024		
09) Analysis Start Date	02/07/2024		
10) Material of Stack	MS		
11) Stack Height above roof	17.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	304 K	3 ,	
14) Differential Pressure	1.1mmWC		
15) Velocity	· 3.47 m/sec	3 1 3.1	
16) Diameter of Stack	0.85 meter		
17) Stack Area	0.5675 m ²		*
18) Gas Volume	6949.291Nm ³ /hr		
19) Fuel Used.			
ar and a second and	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
istrament Details	Calibration Date	Calibration on:06/ On:06/07/2024	

RESULT

RESULT					
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Chlorine (Cl ₂)	mg/Nm ³	0.5	<5.0	IS 5182 (Part – 19)

UOM - Unit of Measurement.

Remark- Acid Mist result is within MPCB Limit.

(Mr. Prast ant Patil) (Dy. Quality Manager)

D-52/18 MIDC Waluj Aurangabad Authorized Signatory

(Ms Ohammashila Narwade) (Dy. Technical Manager)

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Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

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oratory & Research Center Pvt. Ltd.

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	FEL /ADD/C 11/05/303 Los
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	EEL/ABD/S-11/07/2024-25

S S	SAMPLING DETAILS				
01) Location of Sampling	S – 11 Ammonia Scrubber (C – 1203)				
02) Sampling Procedure	IS 11255	IS 11255			
03)Sample Volume					
04) Sample Status (Sealed/Unsealed)	Sealed .				
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research	Contor Dut Ltd		
06) Date of Sampling	01/07/2024	-mooratory & research	Center I vt. Ltu		
07) Time of Sampling & Sampling Duration	03:05 PM (30 min)				
08) Date of Received in Lab	02/07/2024		4		
09) Analysis Start Date	02/07/2024				
10) Material of Stack .	MS				
11) Stack Height above roof	20.0 meters				
(2) Type of Stack	Round				
13) Flue Gas Temperature	310 K		- v		
14) Differential Pressure	1.3mmWC				
15) Velocity	3.91 m/sec				
16) Diameter of Stack	0.05 meter	23			
17) Stack Area	· 0.019635 m ²	•			
18) Gas Volume	258.889Nm ³ /hr				
19) Fuel Used		2,54			
	Make/ Model No.	Asha Enviro&350			
20) Instrument Details	Serial No	EELRC/EQ/SK/55			
*	Calibration Date	Calibration on:06/0 On:06/07/2024			

RESULT Result of Sr. No. Parameter UOM MPCB Limit Testing Method Sample Ammonia (NH₃) mg/Nm3 15.4 < 50.0 IS 11255 (Part - 6)

UOM - Unit of Measurement.

Remark- Ammonia (NH3) result is within MPCB Limit.

(Dy. Qualty Manager)

D-52/18 MIDÇ Waluj Aurangabad Authorized Signatory

s. Dhanmashila Narwade) (Dy. Technical Manager)

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-12/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	09/07/2024

S	AMPLING DETAILS	*		
01) Location of Sampling	S – 12 Bag Filter Blower (BLW – 601)			
02) Sampling Procedure	IS 11255			
03)Sample Volume	Thimble: 1×1no.	8 12		
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By	M/s. Excellent Enviro L	aboratory & Research Center Pvt. Ltd		
06) Date of Sampling	01/07/2024	center i vi. Eu		
07) Time of Sampling & Sampling Duration	03:40 PM (30 min)			
08) Date of Received in Lab	02/07/2024			
09) Analysis Start Date	02/07/2024			
10) Material of Stack	MS			
11) Stack Height	22.0 meters			
12) Type of Stack	Round	e e		
13) Flue Gas Temperature	301 K			
14) Differential Pressure	1.1mmWC			
15) Velocity	3.45 m/sec			
16) Diameter of Stack	0.315 meter			
17) Stack Area	0.07793 m ²			
18) Gas Volume	958.244Nm ³ /hr			
19) Fuel Used				
30 S S S S	Make/ Model No	Asha Enviro&350		
20) Instrument Details	, Serial No.	EELRC/EQ/SK/55		
E CONTROLLE MANDEN SOCIONOSSE ELECTRO CONTROL	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024		

		RESU	LI		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	36.3	<150	IS 11255(Part 1):1985
12533	¥1410.34010-0.0404040-0.00	1 27	STREET, ST	SERVIN	15 11255(1 alt 1).196

IIDC Walui

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

Reviewed B (Mr. Prashant Patil) (Dy. Quality Manager)

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Authorized Signatory

(Ms. Dhammashila Narwade)

(Dy. Technical Manager)

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT. (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

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Laboratory & Research Center Pvt. Ltd.

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-13/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	10/07/2024

	AMPLING DETAILS		W.
01) Location of Sampling	S – 13 Bag Filter Blowe		
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.	0	
04) Sample Status (Sealed/Unsealed)	Sealed .		
05) Sample Collected By	M/s. Excellent Enviro I	aboratory & Research	Center Pvt. Ltd
06) Date of Sampling	02/07/2024	***************************************	
07) Time of Sampling & Sampling Duration	10:30 AM (30 min)		¥6
08) Date of Received in Lab	03/07/2024		
09) Analysis Start Date	03/07/2024		(re un
10) Material of Stack	MS		
11) Stack Height	22.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	309 K	24	W .
14) Differential Pressure	1.8mmWC		
15) Velocity	4.48 m/sec	59 (c)	
16) Diameter of Stack	0.25 meter	56 K2	
17) Stack Area	· 0.04909 m ²		
18) Gas Volume	763.539Nm ³ /hr		
19) Fuel Used		1.1	
s	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Şerial No.	EELRC/EQ/SK/55	5
	Calibration Date	Calibration on:06/ On:06/07/2024	07/2023, Due

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	39.0	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

Reviewed By (Mr. Prashant Patil) (Dy. Quality Manager)

Authorized Signatory

(Ms. Ohammashila Narwade) (Dy. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SUIKCE		EMICCIONING	
CHUL	(SIACK)	TIMISSION MIC	ONITORING REPORT
			STATE OF THE REPORT

Client's Name & Address	S I I I		
M/S. HIKAL LTD	Sample ID.	EEL/ABD/S-14/07/2024-25	
Г – 21, М. I. D. C. Area, TALOJA, 410208	Date of Reporting	10/07/2024	

	Calibration Date	Calibration on:06/0 On:06/07/2024	7/2023, Due
0) Instrument Details	Serial No.	EELRC/EQ/SK/55	•
	Make/ Model No.	Asha Enviro&350	8.
9) Fuel Used			
8) Gas Volume	652.273Nm ³ /hr		
	0.04909 m ²		
6) Diameter of Stack 7) Stack Area	0.25 meter		
15) Velocity	3.79 m/sec		
14) Differential Pressure	1.3mmWC		04
13) Flue Gas Temperature	306 K		
12) Type of Stack	Round	28	
11) Stack Height	22.0 meters	*	80
10) Material of Stack	MS		
09) Analysis Start Date	03/07/2024		
08) Date of Received in Lab	03/07/2024		
07) Time of Sampling & Sampling Duration	11:05AM (30 min)		
06) Date of Sampling	02/07/2024	Laboratory & Research	Center Pvt. L
05) Sample Collected By		Laboratory & Research	¥
04) Sample Status (Sealed/Unsealed)	Sealed Sealed		
03)Sample Volume	Thimble: 1×1no.		T:
02) Sampling Procedure	S – 14 Bag Filter Blow IS 11255	er (BLW – 603)	
(1) Location of Sampling	SAMPLING DETAILS	(PV VIII	

CA		RESU	LT			_
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method	
1	Total Particulate Matter (TPM)	mg/Nm ³	32.0	E45017 1566		-
LICENT	11 21 664	mg/.vm	32.0	<150	IS 11255(Part 1):1985	

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

(Mr. Prashant Patil) (Dy. Quality Manager)

MIDC Waluj Aurangabad Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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CIN: U73100MH2020PTC347047

Excellent Enviro Laboratory & Research Center Pvt. Ltd.

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♦ Technology for sustainable development ♦

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-20/09/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	06/09/2024

SAMPLING DETAILS

S.	AMPLING DETAIL	S	
01) Location of Sampling	S - 5 Ventilation Blower - Plant - 1 (BLW - 201)		
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Env	iro Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	29/08/2024		
07) Time of Sampling & Sampling Duration	11:10 AM (30 min)		
08) Date of Received in Lab	30/08/2024		
09) Analysis Start Date	30/08/2024		
10) Material of Stack	MS		
11) Stack Height above roof	27.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	301 K		
14) Differential Pressure	1.5mmWC		
15) Velocity	4.03 m/sec		
16) Diameter of Stack	0.53 meter		
17) Stack Area	0.2206 m ²		
18) Gas Volume	3168.566Nm ³ /hr		
19) Fuel Used			
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/97	
20) Histi differit Details	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025	

RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm³	18.4	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM) result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager) D-52/18
MIDC Waluj
Aurangabad

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MOEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

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CIN: U73100MH2020PTC347047

Excellent Enviro Laboratory & Research Center Pvt. Ltd.

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance". ♦ Technology for sustainable development ♦

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-21/09/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	06/09/2024

S	AMPLING DETAILS			
01) Location of Sampling	S-6 Acid Scrubber	(C-502)		
02) Sampling Procedure	IS 11255			
03)Sample Volume				
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By	M/s. Excellent Envir	o Laboratory & Research Center Pvt. Ltd		
06) Date of Sampling	29/08/2024			
07) Time of Sampling & Sampling Duration	11:45AM (30 min)			
08) Date of Received in Lab	30/08/2024			
09) Analysis Start Date	30/08/2024			
10) Material of Stack	MS			
11) Stack Height above roof	25.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	302 K			
14) Differential Pressure	2.0mmWC			
15) Velocity	4.67m/sec			
16) Diameter of Stack	0.45 meter			
17) Stack Area	0.15904 m ²			
18) Gas Volume	2638.366Nm ³ /hr			
19) Fuel Used				
	Make/ Model No.	Asha Enviro&350		
20) Instrument Details	Serial No.	EELRC/EQ/SK/97		
wo) instrument Details	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025		

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Acid Mist	mg/Nm ³	2.8	<20	

UOM - Unit of Measurement.

Remark- Acid Mist result is within MPCB Limit.

(Mr. Prashant Patil) (Dy. Quality Manager)



Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Teghnical Manager)

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*********End of Report***********

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MOEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-04/09/2024-254	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024	

SAMP	LING	DETA	TIC
PACKTANT	TARTACE.	DEIM	

01) Location of Sampling	AMPLING DETAIL	32	
02) Sampling Procedure	S – 5 Ventilation Blower – Plant – 1 (BLW – 201) IS 11255		
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	(0) (7 (0) (7 (0) (7 (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	viro Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	11/09/2024	no Eaboratory & Research Center Fvt. Lit	
07) Time of Sampling & Sampling Duration	11:25AM (30 min)	N 10 10 10 10 10 10 10 10 10 10 10 10 10	
08) Date of Received in Lab	12/09/2024		
09) Analysis Start Date	12/09/2024		
10) Material of Stack	MS		
11) Stack Height above roof	27.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	308 K		
14) Differential Pressure	1.6mmWC		
15) Velocity	4.21 m/sec		
16) Diameter of Stack	0.53 meter		
17) Stack Area	0.2206 m ²		
18) Gas Volume	3234.861Nm ³ /hr		
19) Fuel Used			
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/97	
-s, until Details	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025	

		ŀ	CESULI		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	16.5	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM) result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil)

(Dy. Quality Manager)

MIDC Waluj Aurangabad,

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-05/09/2024-254		
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024		

S	AMPLING DETAILS			
01) Location of Sampling	S-6 Acid Scrubber (C – 502)		
02) Sampling Procedure	IS 11255			
03)Sample Volume	man (
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By		Laboratory & Research Center Pvt. L		
06) Date of Sampling	11/09/2024	Laboratory & Research Center Pvt. L		
07) Time of Sampling & Sampling Duration	12:00PM (30 min)			
08) Date of Received in Lab	12/09/2024			
09) Analysis Start Date	12/09/2024			
10) Material of Stack	MS			
11) Stack Height above roof	25.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	302 K			
14) Differential Pressure	2.0mmWC			
15) Velocity	4.67m/sec			
16) Diameter of Stack	0.45 meter			
17) Stack Area	0.15904 m ²			
18) Gas Volume	2638.366Nm ³ /hr			
19) Fuel Used	2000.00014111 /111			
	Make/ Model No.	A-L- E 1 0.250		
Ellerine series of the series	Serial No.	Asha Enviro&350		
20) Instrument Details	Serial No.	EELRC/EQ/SK/97		
	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025		

		RESU	LI		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Acid Mist	mg/Nm ³	3.4	<20	

UOM - Unit of Measurement.

Remark- Acid Mist result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager) MIDC Waluj Aurangabad

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

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Client's Name & Address	Sample ID.	EEL/ABD/S-06/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

S	AMPLING DETAILS	10	
01) Location of Sampling	S - 7 Vent Sorb Blower Plant - 2 (BLW - 501)		
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	11/09/2024	J. T.	
07) Time of Sampling & Sampling Duration	12:35 PM (30 min)		
08) Date of Received in Lab	12/09/2024		
09) Analysis Start Date	12/09/2024		
10) Material of Stack	MS		
11) Stack Height	25.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	297 K		
14) Differential Pressure	1.8mmWC		
15) Velocity	4.39 m/sec		
16) Diameter of Stack	0.1 meter		
17) Stack Area	0.007854 m ²		
18) Gas Volume	124.542Nm³/hr		
19) Fuel Used			
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/97	
*	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025	

RESULT Sr. Result of **MPCB** Parameter **UOM** Testing Method No. Sample Limit 1 Total Particulate Matter (TPM) mg/Nm3 20.2 <150 IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

Reviewed B

(Mr. Prashant Patil) (Dy. Quality Manager) D-52/18
MIDC Waluj
Aurangabad

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-07/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

S	AMPLING DETAILS			
01) Location of Sampling	S - 8 Vent Sorb Blower Plant - 3 (BLW - 605)			
02) Sampling Procedure	IS 11255			
03)Sample Volume	-			
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. La		
06) Date of Sampling	11/09/2024	and the second of the second o		
07) Time of Sampling & Sampling Duration	01:10 PM (30 min)			
08) Date of Received in Lab	12/09/2024			
09) Analysis Start Date	12/09/2024			
10) Material of Stack	MS			
11) Stack Height	13.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	314K			
14) Differential Pressure	1.9mmWC			
15) Velocity	4.64 m/sec			
16) Diameter of Stack	0.334 meter			
17) Stack Area	0.08762 m ²			
18) Gas Volume	1389.026Nm ³ /hr			
19) Fuel Used				
	Make/ Model No.	Asha Enviro&350		
20) Instrument Details	Serial No.	EELRC/EQ/SK/97		
	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025		

10000		RESU	LT		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	CS ₂	mg/Nm ³	<0.01		IS 11255 (Part-4)
2	Organic Concentrations	mg/Nm ³	3.9	<100	GC

UOM - Unit of Measurement.

Remark- Organic Concentrations result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

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MIDC Waluj

Aurangabad

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Authorized Signatory

(Ms. Dhammashila Narwade)

(Dy. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-08/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

		2.11		
S	AMPLING DETAILS			
01) Location of Sampling	S-10 Emergency Chlorine Blower			
02) Sampling Procedure	IS 11255	CONTROL OF THE CONTRO		
03)Sample Volume				
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd		
06) Date of Sampling	11/09/2024	Trescaren Center I vi. Etc		
07) Time of Sampling & Sampling Duration	01:45 PM (30 min)			
08) Date of Received in Lab	12/09/2024			
09) Analysis Start Date	12/09/2024			
10) Material of Stack	MS			
11) Stack Height above roof	17.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	308 K			
14) Differential Pressure	1.4mmWC			
15) Velocity	3.94 m/sec			
16) Diameter of Stack	0.85 meter			
17) Stack Area	0.5675 m ²			
18) Gas Volume	7788.075Nm³/hr			
19) Fuel Used				
	Make/ Model No.	Asha Enviro&350		
20) Instrument Details	Serial No.	EELRC/EQ/SK/97		
20) Instrument Details	Calibration Date	Calibration on:06/07/2024, Due		

RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Chlorine (Cl ₂)	mg/Nm ³	0.7	<5.0	IS 5182 (Part - 19)

UOM - Unit of Measurement.

Remark- Acid Mist result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager) MIDC Walui

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy Technical Manager)

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Client's Name & Address	Sample ID.	EEL/ABD/S-09/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

S.	AMPLING DETAILS		
01) Location of Sampling	S-11 Ammonia Scrul	bber (C - 1203)	
02) Sampling Procedure	IS 11255		
03)Sample Volume	90 00 mg		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	11/09/2024		
07) Time of Sampling & Sampling Duration	02:20 PM (30 min)		
08) Date of Received in Lab	12/09/2024		
09) Analysis Start Date	12/09/2024		
10) Material of Stack	MS		
11) Stack Height above roof	20.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	309 K		
14) Differential Pressure	1.5mmWC		
15) Velocity	4.09 m/sec		
16) Diameter of Stack	0.05 meter		
17) Stack Area	0.019635 m ²		
18) Gas Volume	278.814Nm ³ /hr		
19) Fuel Used	***		
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/97	
20) Histi uniciti Details	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025	

RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Ammonia (NH ₃)	mg/Nm ³	19.6	<50.0	IS 11255 (Part - 6)

UOM - Unit of Measurement.

Remark- Ammonia (NH3) result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager) MIDC Walui

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-10/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

CAMPLING DETAILS

01) Location of Sampling	AMPLING DETAILS S – 12 Bag Filter Blow	er (BLW - 601)		
02) Sampling Procedure	IS 11255			
03)Sample Volume	Thimble: 1×1no.			
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd		
06) Date of Sampling	11/09/2024			
07) Time of Sampling & Sampling Duration	02:55 PM (30 min)			
08) Date of Received in Lab	12/09/2024			
09) Analysis Start Date	12/09/2024			
10) Material of Stack	MS			
11) Stack Height	22.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	304 K			
14) Differential Pressure	1.5mmWC			
15) Velocity	4.05 m/sec			
16) Diameter of Stack	0.315 meter			
17) Stack Area	0.07793 m ²			
18) Gas Volume	1113.794Nm ³ /hr			
19) Fuel Used		8		
	Make/ Model No.	Asha Enviro&350		
20) Instrument Details	Serial No.	EELRC/EQ/SK/97		
	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025		

RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	28.9	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil)

(Dy. Quality Manager)



Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-11/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

	AMPLING DETAILS		
01) Location of Sampling	S – 13 Bag Filter Blower (BLW – 602)		
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	11/09/2024		
07) Time of Sampling & Sampling Duration	03:30PM (30 min)		
08) Date of Received in Lab	12/09/2024		
09) Analysis Start Date	12/09/2024		
10) Material of Stack	MS		
11) Stack Height	22.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	309K		
14) Differential Pressure	2.1mmWC		
15) Velocity	4.84 m/sec		
16) Diameter of Stack	0.25 meter		
17) Stack Area	0.04909 m ²		
18) Gas Volume	824.895Nm ³ /hr		
19) Fuel Used			
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/97	
	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025	

DESILIT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	41.1	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM)result is within MPCB Limit.

(Mr. Prashant Patil) (Dy. Quality Manager)

Authorized Signatory

(Ms Dhammashila Narwade) (Dy. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID,	EEL/ABD/S-12/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

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OWNER		LIVER	17 6. 1	A	10.0

S.	AMPLING DETAILS		
01) Location of Sampling	S-14 Bag Filter Blower (BLW - 603)		
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	11/09/2024		
07) Time of Sampling & Sampling Duration	04:05PM (30 min)		
08) Date of Received in Lab	12/09/2024		
09) Analysis Start Date	12/09/2024		
10) Material of Stack	MS		
11) Stack Height	22.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	304 K		
14) Differential Pressure	1.6mmWC	The state of the s	
15) Velocity	4.19 m/sec		
16) Diameter of Stack	0.25 meter		
17) Stack Area	0.04909 m ²		
18) Gas Volume	725.859Nm ³ /hr		
19) Fuel Used			
	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/97	
,	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025	

		NESU	LI		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	32.3	<150	IS 11255(Part 1):1985

UOM - Unit of Measurement.

Remark- Total Particulate Matter (TPM) result is within MPCB Limit.

Reviewed By

(Mr. Prastiant Patil)

(Dy. Quality Manager)

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REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991 Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

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Authorized Signatory

(Ms. Dhammashila Narwade)

(Dy. Technical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring," Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-118/05/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	04/06/2024	

S	AMPLING DETAILS			
01) Location of Sampling	S-2&S-3 Steam Boile	er (B – 920 A/B)		
02) Sampling Procedure	IS 11255			
03)Sample Volume	Thimble: 1×1no. SO ₂ : 30 ml ×1 no. (Pla NO ₃ : 30 ml ×1 no. (Pla	astic Bottle)		
04) Sample Status (Sealed/Unsealed)	Sealed	morie Dottie)		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Lt		
06) Date of Sampling	27/05/2024	Laboratory & Research Center Pvt. Lt		
07) Time of Sampling & Sampling Duration	11:35AM (30 min)			
08) Date of Received in Lab	28/05/2024			
09) Analysis Start Date	28/05/2024			
10) Material of Stack	MS			
11) Stack Height above roof	40.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	448 K	t.		
14) Differential Pressure	3.6mmWC			
15) Velocity	7.62 m/sec			
16) Diameter of Stack	1.5 meter			
17) Stack Area	1.767 m ²			
18) Gas Volume	32242.764Nm ³ /hr			
19) Fuel Used	LSHS/Natural gas			
	Make/ Model No.	A.L. E 0.250		
200 1	Serial No.	Asha Enviro&350		
20) Instrument Details	Delial IVO.	EELRC/EQ/SK/55		
	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024		

RESULT

Sr. No.	Parameter .	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	68.0	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	39.5	<621	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	37.9	<50	IS 11255 (Part 7):2005

UOM – Unit of Measurement

Remark- Total Particulate Matter (TPM), Nitrogen Dioxide (NO2)&Sulphur Dioxide (SO2) results are within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

Authorized Signatory

(Ms. Dhampashila Narwade) (Dy. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-22/06/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	26/06/2024	

	SAMPL	ING	DETA	ILS
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	AMPLING DETAILS		
01) Location of Sampling	S-2&S-3 Steam Boile	r (B – 920 A/B)	
02) Sampling Procedure	IS 11255		
03)Sample Volume	Thimble: 1×1no.SO ₂ : NO _x : 30 ml ×1 no. (Pla	30 ml ×1 no. (Plastic Bottle)	
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	18/06/2024	a resourch Center I vit Etc	
07) Time of Sampling & Sampling Duration	12:35PM (30 min)		
08) Date of Received in Lab	19/06/2024		
09) Analysis Start Date	19/06/2024		
10) Material of Stack	MS		
11) Stack Height above roof	40.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	445 K		
14) Differential Pressure	3.5mmWC		
15) Velocity	7.49 m/sec		
16) Diameter of Stack	1.5 meter		
17) Stack Area	1.767 m ²		
18) Gas Volume	31906.349Nm ³ /hr		
19) Fuel Used	LSHS/Natural gas		
. M	Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/55	
20) instrument Details	Calibration Date	Calibration on:06/07/2023, Due On:06/07/2024	

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	65.0	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	41.8	<621	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	39.5	< 50	IS 11255 (Part 7):2005

UOM - Unit of Measurement

Remark- Total Particulate Matter (TPM), Nitrogen Dioxide (NO2)&Sulphur Dioxide (SO2) results are within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

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Authorized Signatory

(Ms. Dhammashila Narwade)

(by. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-05/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	09/07/2024

	AMPLING DETAILS		
01) Location of Sampling	S-2&S-3 Steam Boiler	(B - 920 A/B)	
02) Sampling Procedure	IS 11255		
03)Sample Volume	· Thimble: 1×1no.SO ₂ : 3 NO ₃ : 30 ml ×1 no. (Plas		ttle)
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro l	aboratory & Research	Center Pvt. Ltd
06) Date of Sampling	01/07/2024	*	
07) Time of Sampling & Sampling Duration	11:35AM (30 min)		
08) Date of Received in Lab	02/07/2024		
09) Analysis Start Date	02/07/2024 ·		585
10) Material of Stack	MS		m a
11) Stack Height above roof	40.0 meters		
12) Type of Stack	Round		30
13) Flue Gas Temperature	442 K		-
14) Differential Pressure	3.1mmWC		
15) Velocity	7.03 m/sec		
16) Diameter of Stack	1.5 meter		140
17) Stack Area	1.767 m ²		
18) Gas Volume	30150.073Nm ³ /hr		TV .
19) Fuel Used	LSHS/Natural gas		
	· Make/ Model No.	Asha Enviro&350	
20) Instrument Details	Serial No.	EELRC/EQ/SK/5	
20) instrument Details	Calibration Date	Calibration on:06. On:06/07/2024	

RESULT

Sr. No.	Parameter	· UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	62.6.0	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	43.5	<621	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	34.8	<50	IS 11255 (Part 7):2005

. UOM - Unit of Measurement

Remark- Total Particulate Matter (TPM), Nitrogen Dioxide (NO2)&Sulphur Dioxide (SO2) results are within MPCB Limit.

MIDC Walui

lurangabac

(Mr. Prashant Patil) (Dy. Quality Manager) Authorized Signatory

Ms. Dhammashila Narwade) (by. Technical Manager)

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-19/09/2024-25	
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	06/09/2024	

CAMPLING DETAILS

S	AMPLING DETAILS	i i			
01) Location of Sampling	S-2&S-3 Steam Boiler (B – 920 A/B)				
02) Sampling Procedure	IS 11255				
03)Sample Volume	Thimble: 1×1no.SO NO _x : 30 ml ×1 no. (1	2: 30 ml ×1 no. (Plastic Bottle) Plastic Bottle)			
04) Sample Status (Sealed/Unsealed)	Sealed				
05) Sample Collected By	M/s. Excellent Envi	ro Laboratory & Research Center Pvt. Ltd			
06) Date of Sampling	29/08/2024	•			
07) Time of Sampling & Sampling Duration	10:35AM (30 min)				
08) Date of Received in Lab	30/08/2024				
09) Analysis Start Date	30/08/2024				
10) Material of Stack	MS				
11) Stack Height above roof	40.0 meters				
12) Type of Stack	Round				
13) Flue Gas Temperature	436 K				
14) Differential Pressure	2.9mmWC				
15) Velocity	6.75 m/sec				
16) Diameter of Stack	1.5 meter				
17) Stack Area	1.767 m ²				
18) Gas Volume	29347.6Nm ³ /hr				
19) Fuel Used	LSHS/Natural gas				
	Make/ Model No.	Asha Enviro&350			
20) Instrument Datails	Serial No.	EELRC/EQ/SK/97			
20) Instrument Details	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025			

RESULT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	58.1	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	44.9	<621	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	32.5	< 50	IS 11255 (Part 7):2005

UOM - Unit of Measurement

Remark- Total Particulate Matter (TPM), Nitrogen Dioxide (NO2)&Sulphur Dioxide (SO2) results are within MPCB Limit.

Reviewed By

(Mr. Prachant Patil)

(Dy. Quality Manager)

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Authorized Signatory

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-03/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

S	SAMPLING DETAILS				
01) Location of Sampling	S-2&S-3 Steam Boile	r (B – 920 A/B)			
02) Sampling Procedure	IS 11255				
03)Sample Volume	Thimble: 1×1no.SO ₂ : 30 ml ×1 no. (Plastic Bottle) NO _x : 30 ml ×1 no. (Plastic Bottle)				
04) Sample Status (Sealed/Unsealed)	Sealed Sealed				
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. L			
06) Date of Sampling	11/09/2024	- Research Center I VI. L			
07) Time of Sampling & Sampling Duration	10:50AM (30 min)				
08) Date of Received in Lab	12/09/2024	19			
09) Analysis Start Date	12/09/2024				
10) Material of Stack	MS				
11) Stack Height above roof	40.0 meters				
12) Type of Stack	Round				
13) Flue Gas Temperature	431 K				
14) Differential Pressure	2.9mmWC				
15) Velocity	6.71 m/sec				
16) Diameter of Stack	1.5 meter				
17) Stack Area	1.767 m ²				
18) Gas Volume	29512.131 Nm ³ /hr				
19) Fuel Used	LSHS/Natural gas				
0	Make/ Model No.	Asha Enviro&350			
20) Instrument D. (1)	Serial No.	EELRC/EQ/SK/97			
20) Instrument Details	Calibration Date	Calibration on:06/07/2024, Due On:05/07/2025			

DESILIT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1	Total Particulate Matter (TPM)	mg/Nm ³	52.8	<150	IS 11255(Part 1):1985
2	Sulphur Dioxide (SO ₂)	Kg/day	45.5	<621	IS 11255 (Part 2):1985
3	Nitrogen Dioxide (NO ₂)	mg/Nm ³	33.7	<50	IS 11255 (Part 7):2005

UOM - Unit of Measurement

Remark- Total Particulate Matter (TPM), Nitrogen Dioxide (NO2)&Sulphur Dioxide (SO2) results are within MPCB Limit.

Reviewed B

(Mr. Prashant Patil) (Dy. Quality Manager) MIDC Waluj

Authorized Signatory

(Ms. Dham) dashila Narwade) (Dy. Technical Manager)

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REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 240-6641879 9970429991/7745069991

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(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-130/05/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	05/06/2024

CAMBLING DETAILS

01) Location of Sampling	AMPLING DETAILS	C 11 1700		
02) Sampling Procedure	S – 16 General Common Scrubber HTP – 213 IS 11255			
03)Sample Volume	15 11255			
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Laboratory & Research Center Pvt. Ltd		
06) Date of Sampling	28/05/2024	Laboratory & Research Center Pvt. Lit		
07) Time of Sampling & Sampling Duration	01:10 PM (30 min)			
08) Date of Received in Lab	29/05/2024			
09) Analysis Start Date	29/05/2024			
10) Material of Stack	MS			
11) Stack Height	30.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	302 K			
14) Differential Pressure	0.98mmWC	\$7		
15) Velocity	3.27 m/sec	100		
16) Diameter of Stack	0.05 meter			
17) Stack Area	0.0019635 m ²			
18) Gas Volume	22.81Nm ³ /hr			
19) Fuel Used	10 7// =			
34	Make/ Model No.	Ion Science&Phocheck Tiger		
20) Instrument Details	Serial No.	T-110067		
8	Calibration Date	Calibration on:27/09/2023, Due On:26/09/2024		

DESILT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1		VOC	Emission		
a.	Toulene	mg/Nm ³	12.3		G.C. (FID) Method.
b.	Xylene	mg/Nm ³	3.7	<100.0	G.C. (FID) Method.
c.	Actone	mg/Nm ³	3.1		G.C. (FID) Method.

UOM - Unit of Measurement.

Remark- VOC Emissions (Acetone, Toulene & Xylene) results are within MPCB Limit.

Reviewed By

(Mr. Prasmant Patil) (Dy. Quality Manager)

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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Email: punesales@excellentenviro.com Historians - & ISO 9001-2015 & ISO 14001 - 2015 & ISO 45001-2018

Website: www.eelab.in/ www.excellentenviro.com

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Cheff 3 Hame & Address	Sample 1D.	EEL/ABD/S-33/06/2024-25		
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	27/06/2024		
	SAMPLING DETAILS), ————————————————————————————————————		
01) Location of Sampling	S-16 General Common So	crubber HTP = 213		
02) Sampling Procedure	IS 11255	The second secon		
03)Sample Volume	-			
04) Sample Status (Sealed/Unsealed)	Sealed			
05) Sample Collected By	M/s. Excellent Enviro Labo	oratory & Research Center Pvt. Ltd		
06) Date of Sampling	19/06/2024			
07) Time of Sampling & Sampling Duration	12:45 PM (30 min)			
08) Date of Received in Lab	20/06/2024			
09) Analysis Start Date	20/06/2024			
10) Material of Stack	MS			
11) Stack Height	30.0 meters			
12) Type of Stack	Round			
13) Flue Gas Temperature	298 K			
14) Differential Pressure	1.03mmWC			
15) Velocity	3.33 m/sec			
16) Diameter of Stack	0.05 meter			
17) Stack Area	•0.0019635 m ²	At Va		
and name of the second	DOCUMENT AND			

Calibration Date DECHIT

Make/ Model No.

23.54Nm3/hr

Serial No.

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1		VOCT	Emission		
a.	Toulene	mg/Nm ³	14.8		G.C. (FID) Method.
b.	Xylene	mg/Nm ³	3.1	<100.0	G.C. (FID) Method.
c.	Actone	mg/Nm ³	2.3		G.C. (FID) Method.

UOM - Unit of Measurement.

18) Gas Volume

20) Instrument Details

19) Fuel Used

Remark- VOC Emissions (Acetone, Toulene & Xylene) results are within MPCB Limit.

Reviewed By

(Mr. Prashant Patil)

(Dy. Quality Manager)

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Ion Science&Phocheck Tiger

Calibration on: 27/09/2023, Due

Authorized Signatory

(Ms./Dhammashila Narwade)

(Dy Technical Manager)

T-110067

On:26/09/2024

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-16/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	10/07/2024

01) Location of Sampling	S – 16 General Common Scrubber HTP – 213		
02) Sampling Procedure	IS 11255		
03)Sample Volume			
04) Sample Status (Sealed/Unsealed)	Sealed	X.	
05) Sample Collected By	M/s. Excellent Env	viro Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	02/07/2024	74.	
07) Time of Sampling & Sampling Duration	12:15 PM (30 min)		
08) Date of Received in Lab	03/07/2024		
09) Analysis Start Date ,	03/07/2024		
10) Material of Stack	MS		
11) Stack Height	30.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	291 K		
14) Differential Pressure	1.07mmWC		
15) Velocity	3.35 m/sec		
16) Diameter of Stack	0.05 meter		
17) Stack Area	0.0019635 m ²		
18) Gas Volume	24.249Nm³/hr-		
19) Fuel Used	HTT III		
	Make/ Model No.	Ion Science &Phocheck Tiger	
20) Instrument Details	Serial No.	- T-110067	
	Calibration Date	Calibration on:27/09/2023, Due On:26/09/2024	

RESULT

	RESU	LI		19
Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
VOC Emission				6 1 9
Toulene	mg/Nm ³	16.4	<100.0	G.C. (FID) Method.
Xylene	mg/Nm³	3.3		G.C. (FID) Method.
Actone	mg/Nm ³	2.1	U D	G.C. (FID) Method.
	VOC Emission Toulene Xylene	Parameter UOM VOC Emission Toulene mg/Nm³ Xylene mg/Nm³	Parameter UOM Sample VOC Emission mg/Nm³ 16.4 Xylene mg/Nm³ 3.3	Parameter UOM Result of Sample MPCB Limit VOC Emission mg/Nm³ 16.4 Xylene mg/Nm³ 3.3 <100.0

UOM - Unit of Measurement.

Remark- VOC Emissions (Acetone, Toulene& Xylene) results are within MPCB Limit.

(Mr. Prashant Patil)

(Dy. Quality Manager)

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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CIN: U73100MH2020PTC347047

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Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-30/09/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	07/09/2024

	AMPLING DETAIL	LS	
01) Location of Sampling	S – 16 General Common Scrubber HTP – 213		
02) Sampling Procedure	IS 11255		
03)Sample Volume	-		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Env	viro Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	30/08/2024		
07) Time of Sampling & Sampling Duration	12:15 PM (30 min)	
08) Date of Received in Lab	31/08/2024		
09) Analysis Start Date	31/08/2024		
10) Material of Stack	MS		
11) Stack Height	30.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	295 K		
14) Differential Pressure	1.1mmWC		
15) Velocity	3.42 m/sec		
16) Diameter of Stack	0.05 meter		
17) Stack Area	0.0019635 m ²		
18) Gas Volume	24.42Nm ³ /hr		
19) Fuel Used	1		
ACCUSE OF THE PARTY OF THE PART	Make/ Model No.	Ion Science & Phocheck Tiger	
20) Instrument Details	Serial No.	T-110067	
	Calibration Date	Calibration on:27/09/2023, Due On:26/09/2024	

		RESU	LI		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1		VOC	Emission		
a.	Toulene	mg/Nm ³	19.5	<100.0	G.C. (FID) Method.
b.	Xylene	mg/Nm ³	3.9		G.C. (FID) Method.
c.	Actone	mg/Nm ³	2.4		G.C. (FID) Method.

UOM - Unit of Measurement.

Remark- VOC Emissions (Acetone, Toulene & Xylene) results are within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

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MIDC Waluj

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Email: punesales@excellentenviro.com

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Authorized Signatory

(Ms. Dhammashila Narwade)

(Dy. Technical Manager)

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance". ♦ Technology for sustainable development ◆

Format No. EELRC/LAB/F/067-7.8

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/S-14/09/2024-254
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	20/09/2024

S	AMPLING DETAILS		
01) Location of Sampling	S – 16 General Common Scrubber HTP – 213		
02) Sampling Procedure	IS 11255		
03)Sample Volume	en en		
04) Sample Status (Sealed/Unsealed)	Sealed		
05) Sample Collected By	M/s. Excellent Enviro	Laboratory & Research Center Pvt. Ltd	
06) Date of Sampling	12/09/2024		
07) Time of Sampling & Sampling Duration	02:00 PM (30 min)		
08) Date of Received in Lab	13/09/2024		
09) Analysis Start Date	13/09/2024		
10) Material of Stack	MS		
11) Stack Height	30.0 meters		
12) Type of Stack	Round		
13) Flue Gas Temperature	298 K		
14) Differential Pressure	1.2mmWC		
15) Velocity	3.59 m/sec		
16) Diameter of Stack	0.05 meter		
17) Stack Area	0.0019635 m ²		
18) Gas Volume	25.376Nm ³ /hr		
19) Fuel Used	**		
	Make/ Model No.	Ion Science&Phocheck Tiger	
20) Instrument Details	Serial No.	T-110067	
as, such and betting	Calibration Date	Calibration on:27/09/2023, Due On:26/09/2024	

DECLUT

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limit	Testing Method
1		VOC	Emission		
a.	Toulene	mg/Nm ³	15.5	<100.0	G.C. (FID) Method.
b.	Xylene	mg/Nm ³	3.3		G.C. (FID) Method.
c.	Actone	mg/Nm ³	2.1		G.C. (FID) Method.

UOM - Unit of Measurement.

Remark- VOC Emissions (Acetone, Toulene& Xylene) results are within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager)

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Authorized Signatory

(Ms/Dhammashila Narwade)

(Dy. Technical Manager)

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

MIDC Walui

Aurangabad

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Accredited by NABL vide Certificate Number TC-12362

Master in "Wafer & Waste Water Treatment, Monitoring, Testing & Environmental Compliance"

Format No. FFLRC/LAB/F 069-7 8

TEST REPORT

111 D. T.C.1324.33400000.4611E

		CER. 1C12302240000040111
Client's Name & Address	Sample ID.	FEL/ABD/WW-614/06/2024-25
M/S, HJKAL LTD., T - 21 M. I. D. C. Area TALOJA	Date of Reporting	27/06/2024
TALOJA, 410208		

SAMPLING DETAILS Discipline Chemical Group Pollution & Environment ETP Outlet Sample Details 2 hi Plastic Can + 1 lit Glass Bottle Sample Volume Waste Water Type of Sample APHA 1060 B 24th Edition Sampling Procedure Sealed Sample Status Sample Collected By M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd. Date of Sampling 19/06/2024 Date of Sample Received in Lab 20/06/2024 20/06/2024 Analysis Start Date 25/06/2024 Analysis End Date DESIGNATE.

	RE.	SULID			_
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
1	pH at 25.0°C		7.71	6.0-8.5	APHA 4500 H ⁺ (Part B)24th Ed.
2	Chemical Oxygen Demand (COD) at 150°C	mg/I	128.44	≤ 250	IS 3025 (Part-58)
3	Total Suspended Solids (TSS) at 103°C to 105°C	mg/l	28.0	≤100	APHA 2540 (Part D) 24th Ed.
4	Oil & Grease(O&G)	mg/l	4.0	≤ 10.0	IS 3025 (Part 39)
5	Biochemical Oxygen Demand (BOD) 3 days at 27°C	mg/I	15.90	≤30.0	IS 3025 (Part 44)
6	Phosphaie	mg/I	1.84	≤5.0	APHA 4500P (Part D) 24th Ed.

UOM - Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits.

Reviewed By

(Ms. Dhamniashila Narwade) (Dy. Technical Manager)

MIDC Walui Aurangabad

Authorized Signatory

(Dy. Quality Manager)

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Email: punesales@excellentenviro.com



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Format No. EELRC/LAB/F/069-7.8

TEST REPORT

ULR: TC1236224000004611F

Client's Name & Address	Sample ID.	EEL/ABD/WW-614/06/2024-25		
M/S. HIKAL LTD.,		83		
T - 21 M. I. D. C. Area TALOJA	Date of Reporting	27/06/2024		
TALOJA, 410208				
\$0	SAMPLING DETAILS			
Discipline	Chemical			
Group	Pollution & Environment			
Sample Details	ETP Outlet			
Sample Volume	2 lit Plastic Can + 1 lit Glass Bottle			
Type of Sample	Waste Water			
Sampling Procedure	APHA 1060 B 24 th Edition			
Sample Status	Sealed			
	Sealed			

Sealed
M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd.

19/06/2024 20/06/2024 20/06/2024

25/06/2024 RESULTS

	T. L.	OLLIS			
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
1	pH at 25.0°C	(AV	7.71	6.0-8.5	APHA 4500 H ⁺ (Part B)24 th Ed.
2	Chemical Oxygen Demand (COD) at 150°C	mg/l	128.44	≤ 250	IS 3025 (Part-58)
3	Total Suspended Solids (TSS) at 103°C to 105°C.	mg/l	28.0	≤ 100	APHA 2540 (Part D) 24th Ed.
4	Oil & Grease(O&G)	mg/l	4.0	≤ 10.0	IS 3025 (Part 39)
5	Biochemical Oxygen Demand (BOD) 3 days at 27°C	mg/l	15.90	≤ 30.0	IS 3025 (Part 44)
6	Phosphate	mg/l	1.84	≤5.0	APHA 4500P (Part D) 24th Ed.

UOM - Unit of Measurement.

Sample Collected By

Analysis Start Date

Analysis End Date.

Date of Sample Received in Lab

Date of Sampling

Remark-All above Parameters Results Are Within MPCB Limits.

Reviewed By

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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This Report is valid for tested sample only

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MIDC Walui

Aurangabad

Page 1 of 1

Authorized Signatory

(Mr. Prashant Patil)

(Dy. Quality Manager)

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MOEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

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Email: punesales@excellentenviro.com

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/069-7.8

TEST REPORT

Client's Name & Address	Sample ID.	EEL/ABD/WW-614/06/2024-25
M/S. HIKAL LTD., T - 21 M. I. D. C. Area TALOJA TALOJA, 410208	Date of Reporting	27/06/2024

SAMPLING DETAILS

Discipline	Chemical
Group	Pollution & Environment
Sample Details	ETP Outlet
Sample Volume	2 lit Plastic Can + 1 lit Glass Bottle
Type of Sample	Waste Water
Sampling Procedure	APHA 1060 B 24 th Edition
Sample Status	Sealed
Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd.
Date of Sampling	19/06/2024
Date of Sample Received in Lab	20/06/2024
Analysis Start Date	20/06/2024
Analysis End Date	25/06/2024

RESULTS

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
1	Sulphide (as S)	mg/l	0.60	≤ 2.0	APHA 4500 S2- (Part-F) 24th Ed.
2	Phenolic Compound	mg/l	0.21	≤ 1.0	IS 3025 (Part-43)
3	Arsenic (as As)	mg/l	< 0.01	≤ 0.2	IS 3025 (Part 2)
4	Mercury (as Hg)	mg/l	< 0.01	≤ 0.01	IS 3025 (Part 2)
5 OM	Cyanide (as CN)	mg/l	< 0.01	≤ 0.1	IS 3025 (Part-27)

UOM – Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits

Reviewed By

(Mr. Prashant Patil)

(Dy. Quality Manager)

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

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TEST REPORT

Format No. EELRC/LAB/F/069-7.8

Client's N 9 A L1	ULR: TC12362240000046				
Client's Name & Address	Sample ID.	EEL/ABD/WW-615/06/2024-25			
M/S. HIKAL LTD., T - 21 M. I. D. C. Area TALOJA TALOJA, 410208	Date of Reporting	27/06/2024			

	SAMPLING DETAILS
Discipline	Chemical
Group	Pollution & Environment
Sample Details	STP Outlet
Sample Volume	2 lit Plastic Can
Type of Sample	Waste Water
Sampling Procedure	APHA 1060 B 24 th Edition
Sample Status	Sealed
Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd.
Date of Sampling	.19/06/2024
Date of Sample Received in Lab	20/06/2024
Analysis Start Date	20/06/2024
Analysis End Date	25/06/2024
	D. P. C. L. I. T. C.

- AND STATE OF THE		RESUL	-15		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
1	pH at 25.0°C	-	7.25	-	APHA 4500 H+(Part B)24thEd.
2	Chemical Oxygen Demand (COD) at 150°C	mg/l	79.04	≤ 100	IS 3025 (Part-58)
3	Total Suspended Solids (TSS) at 103°C to 105°C	mg/l	12.0	≤ 50	APHA 2540 (Part D) 24th Ed.
4	Biochemical Oxygen Demand (BOD) 3 days at 27°C	mg/l -	24.40	≤ 30	. IS 3025 (Part 44)

UOM - Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits.

Reviewed By

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

Authorized Signatory

(Mr. Prashant Patil) (Dy. Quality Manager)

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TC-12362

Enviro Laboratory & Research Center Pvt.

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/069-7.8

TEST REPORT

ULR: TC1236224000005003F Client's Name & Address Sample ID. EEL/ABD/A-72/07/2024-25 M/S. HIKAL LTD., T - 21 M. I. D. C. Area TALOJA Date of Reporting 09/07/2024 TALOJA, 410208

Protection and the second seco	SAMPLING DETAILS	
Discipline	Chemical	
Group	Pollution & Environment	
Sample Details	ETP Outlet	
Sample Volume	2 lit Plastic Can + 1 lit Glass Bottle	
Type of Sample	Waste Water	
Sampling Procedure	APHA 1060 B 24th Edition	
Sample Status	Sealed	
Sample Collected By	M/s. Excellent Enviro Laboratory & Rese	earch Center Put I td
Date of Sampling	01/07/2024	aren center I vi. Etu.
Date of Sample Received in Lab	02/07/2024	
Analysis Start Date	02/07/2024	
Analysis End Date	06/07/2024	
*	DESILTS	

		RESUL	18		
Sr. No.	Parameter	·UOM	Result of Sample	MPCB Limits	Testing Method
1	pH at 25.0°C	85	7.69	6.0-8.5	APHA 4500 H ⁺ (Part B)24 th Ed.
2	Chemical Oxygen Demand (COD) at 150°C	mg/l	, 125.5	≤ 250	IS 3025 (Part-58)
3	Total Suspended Solids (TSS) at 103°C to 105°C	mg/l	30.0	≤ 100	APHA 2540 (Part D) 24th Ed.
4	Oil & Grease(O&G)	mg/l	5.0	≤ 10.0	IS 3025 (Part 39)
5	Biochemical Oxygen Demand (BOD) 3 days at 27°C	mg/l	15.06	≤ 30.0	IS 3025 (Part 44)
. 6 .	Phosphate	mg/l	1.4	<5.0	APHA 4500P (Part D) 24th Ed.

UOM - Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits.

Reviewed By

(Ms. Dhammashila Narwade) (By Technical Manager)

Authorized Signatory

(Mr. Prashant Patil) (Dy. Quality Manager)

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Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/069-7.8

TEST REPORT

Client's Name & Address	Sample ID.	EEL/ABD/A-72/07/2024-25
M/S. HIKAL LTD., T - 21 M. I. D. C. Area TALOJA TALOJA, 410208	Date of Reporting	09/07/2024

SAMPLING DETAILS

E	OTHER BILLION	
Discipline	Chemical	
Group.	Pollution & Environment	
Sample Details	ETP Outlet	3007
Sample Volume	2 lit Plastic Can + 1 lit Glass Bottle	
Type of Sample	Waste Water	2
Sampling Procedure	APHA 1060 B 24 th Edition	
Sample Status	Sealed	
Sample Collected By	M/s. Excellent Enviro Laboratory & Research Cente	r Pvt. Ltd.
Date of Sampling ,	01/07/2024	E
Date of Sample Received in Lab	02/07/2024	
Analysis Start Date	02/07/2024	
Analysis End Date	06/07/2024	

RESULTS -

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
1	Sulphide (as S)	mg/l	0.69	≤ 2.0	APHA 4500 S2 (Part-F) 24th Ed.
2	Phenolic Compound	mg/l	. 0.23	≤ 1.0	IS 3025 (Part-43)
- 3	Arsenic (as As)	mg/I	< 0.01	≤ 0.2	IS 3025 (Part 2)
4	Mercury (as Hg)	mg/l	< 0.01	≤ 0.01	IS 3025 (Part 2)
5	Cyanide (as CN)	mg/l	< 0.01	≤ 0.1	IS 3025 (Part-27)

UOM - Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits

Reviewed By

(Mr. Prashant Patil (Dy. Quality Manager) **Authorized Signatory**

(Ms. Dhanmashila Narwade) (Dy Technical Manager)

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Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

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Email: kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com

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TC-12362

(Formerly known as Excellent Enviro Laboratory & Research Center)

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/069-7.8

TEST REPORT

ULR: TC1236224000005004F

Client's Name & Address .	Sample ID.	EEL/ABD/A-73/07/2024-25
M/S. HIKAL LTD., T - 21 M. I. D. C. Area TALOJA TALOJA, 410208	Date of Reporting	09/07/2024

	SAMPLING DETAILS	8
Discipline	Chemical	
Group	Pollution & Environment	
Sample Details	STP-Outlet	
Sample Volume	2 lit Plastic Can	
Type of Sample	Waste Water	
Sampling Procedure	APHA 1060 B 24 th Edition	
Sample Status	Sealed	
Sample Collected By	M/s. Excellent Enviro Laboratory & Rese	earch Center Pvt. Ltd.
Date of Sampling	01/07/2024	- 1 1 - 1 1 1
Date of Sample Received in Lab	02/07/2024	*
Analysis Start Date	02/07/2024	
Analysis End Date	06/07/2024	
	FRANCIS EN INCOME	

		RESUL	.15		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
T	pH at 25.0°C	-	7.21	170	APHA 4500 H+(Part B)24th E'd.
2	Chemical Oxygen Demand (COD) at 150°C	mg/l	69.6	≤ 100	IS 3025 (Part-58)
3	Total Suspended Solids (TSS) at 103°C to 105°C	mg/l·	16.0	≤ 5 0	APHA 2540 (Part D) 24 th Ed.
4	Biochemical Oxygen Demand (BOD) 3 days at 27°C	· mg/l	23.2	≤ 30	IS 3025 (Part 44)

UOM - Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits.

Reviewed By

(Ms. Dhapranshila Narwade) (Dy/Vecknical Manager)

Authorized Signatory

(Mr. Prashant Patil) (Dy. Quality Manager)

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End of Report**********

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EELRC/LAB/F/069-7.8

TEST REPORT

ULR: TC1236224000007202F

Client's Name & Address	Sample ID.	EEL/ABD/WW-445/09/2024-26
M/S. HIKAL LTD., T - 21 M. I. D. C. Area TALOJA	Date of Reporting	19/09/2024
TALOJA, 410208		

SAMPLING DETAILS

Discipline	Chemical
Group	Pollution & Environment
Sample Details	ETP Outlet
Sample Volume	2 lit Plastic Can + 1 lit Glass Bottle
Type of Sample	Waste Water
Sampling Procedure	APHA 1060 B 24 th Edition
Sample Status	Sealed
Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd.
Date of Sampling	11/09/2024
Date of Sample Received in Lab	12/09/2024
Analysis Start Date	12/09/2024
Analysis End Date	17/09/2024

RESULTS

		LOULIS		1	
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
1	pH at 25.0°C). -	7.61	6.0-8.5	APHA 4500 H ⁺ (Part B)24 th Ed.
2	Chemical Oxygen Demand (COD) at 150°C	mg/l	116.16	≤ 250	IS 3025 (Part-58)
3	Total Suspended Solids (TSS) at 103°C to 105°C	mg/l	38.0	≤ 100	APHA 2540 (Part D) 24th Ed.
4	Oil & Grease(O&G)	mg/l	4.0	≤ 10.0	IS 3025 (Part 39)
5	Biochemical Oxygen Demand (BOD) 3 days at 27°C	mg/I	13.30	≤ 30.0	IS 3025 (Part 44)
6	Phosphate	mg/l	1.63	≤5.0	APHA 4500P (Part D) 24th Ed

UOM - Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits.

Reviewed By

(Ms. Dhammashila Narwade) (Dy./Technical Manager) D-52/18 MIDC Waluj Aurangabad

Authorized Signatory

(Mr. Prashant Patil) (Dy. Quality Manager)

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Format No. EELRC/LAB/F/069-7.8

TEST REPORT

Client's Name & Address	Sample ID.	EEL /A DD SVINI A COMPANY
M/S. HIKAL LTD.,	Sample 1D.	EEL/ABD/WW-445/09/2024-26
T - 21 M. I. D. C. Area TALOJA TALOJA, 410208	Date of Reporting	19/09/2024

	SAMPLING DETAILS
Discipline	Chemical
Group	Pollution & Environment
Sample Details	ETP Outlet
Sample Volume	2 lit Plastic Can + 1 lit Glass Bottle
Type of Sample	Waste Water
Sampling Procedure	APHA 1060 B 24th Edition
Sample Status	Sealed Sealed
Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd.
Date of Sampling	11/09/2024 Research Center Pvt. Ltd.
Date of Sample Received in Lab	12/09/2024
Analysis Start Date	12/09/2024
Analysis End Date	17/09/2024

D	ENC	H T	1 7	TTC:
11	ES	U.		13

Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
1	Sulphide (as S)	mg/I	0.60	≤ 2.0	APHA 4500 S2- (Part-F) 24th Ed
2	Phenolic Compound	mg/l	0.31	≤ 1.0	IS 3025 (Part-43)
3	Arsenic (as As)	mg/l	< 0.01	≤ 0.2	IS 3025 (Part 2)
4	Mercury (as Hg)	mg/l	< 0.01	≤ 0.01	IS 3025 (Part 2)
5	Cyanide (as CN)	mg/l	< 0.01	≤ 0.1	IS 3025 (Part-27)

OM – Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager) MIDC Walui Aurangabad

Authorized Signatory

(Ms. Dhamashila Narwade) (Dy Technical Manager)

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Master in "Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

TEST REPORT

Format No. EELRC/LAB/F/069-7.8

ULR: TC1236224000007203F

Client's Name & Address	Sample ID.	EEL/ABD/WW-446/09/2024-26
M/S. HIKAL LTD., T - 21 M. I. D. C. Area TALOJA TALOJA, 410208	Date of Reporting	19/09/2024

	SAMPLING DETAILS
Discipline	Chemical
Group	Pollution & Environment
Sample Details	STP Outlet
Sample Volume	2 lit Plastic Can
Type of Sample	Waste Water
Sampling Procedure	APHA 1060 B 24 th Edition
Sample Status	Sealed
Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd.
Date of Sampling	11/09/2024
Date of Sample Received in Lab	12/09/2024
Analysis Start Date	12/09/2024
Analysis End Date	17/09/2024

RESULTS

		RESULT	9		
Sr. No.	Parameter	UOM	Result of Sample	MPCB Limits	Testing Method
1	pH at 25.0°C		7.28	(=)	APHA 4500 H+(Part B)24th Ed.
2	Chemical Oxygen Demand (COD) at 150°C	mg/l	67.76	≤ 100	IS 3025 (Part-58)
3	Total Suspended Solids (TSS) at 103°C to 105°C	mg/l	14.0	≤ 50	APHA 2540 (Part D) 24 th Ed.
4	Biochemical Oxygen Demand (BOD) 3 days at 27°C	mg/l	20.30	≤ 30	IS 3025 (Part 44)

UOM - Unit of Measurement.

Remark-All above Parameters Results Are Within MPCB Limits.

Reviewed By

(Ms. Dhamnashila Narwade) (Dy. Technical Manager) D-52/18
MIDC Waluj
Aurangabad

Authorized Signatory

(Mr. Prashant Patil) (Dy. Quality Manager)

Terms and Conditions

This Report is valid for tested sample only

The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.

Page 1 of 1

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

Email: eelab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com

MUMBAI OFFICE: Dhawalgiri Co-op, Hsg. Society, Building No.1, Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 & 08652671991 Email: kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com

PUNE OFFICE: 'B' zone 410-41, 4th floor, Near Vijay Sales, Pune-Mumbai Road, Chinchwad, Pune- 411019 7447439991

Fmail - nunecalect@excellentenviro com



Towards sustainable growth

Mumbai Waste Management Limited

Certificate

SHREE SAMARTH ENGINEERS

is a registered member of

CHW-TSDF at MIDC, Taloja

for safe & secure disposal of

Hazardous Waste.

Membership no.: MWML - HzW .MHD-LOT-2373

This Certificate is valid up to

31st MARCH 2025

773

Onkar A. Kulkarni Manager - MBD Somnath Malgar Director

CIN U7 (00)MH2i '0i 47

Excellent Enviro Laboratory & Research

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in Water & Waste Water Treatment, Monitoring Testing & Environmental Compliance"

Lormat No. LEJ RC/LAB/L/066-7.8

AMBIENT NOISE MONITORING REPORT

Client's Nam	ie & Address		Sample ID.		ELL/ABD/N-76/07/2024-25
M/S, HIKA		!	D. C. Chamartina		16/07/2024
1 - 21, M. I	. D. C. Area, TALOJA, 410208	3	Date of Reporting		10/07/2024
7.1.1.1		SAMPLI	ING DETA	AILS	
Ul) Location	of Sampling	Gate No.	2 (Pilot Pla	ant)	
02) Sampling		15 4758			
03) Sample C		Mrs. Exce	Hent Envi	o Laboratory & R	esearch Center Pvt.Ltd.
04) Date of S		08/07/202	24 to 09/0	7/2024	
	iampling & Sampling Duration	From 11:	:30 AM o	f 08/07/2024 to 11	:30 AM of 09/07/2024(24 hrs.)
06) Sampling		4	y & Night		
A Line Land	4 344 344 344	Serial No.		EELRC/EQ/SN	1/38
07	na Onanile	Make		KUSAM MECO)
07) Instrume	nt Detans	Calibratio	n Doto		: 13/11/2023 Due On: 13/11/2024
		1		Cappianon On:	EM FEINGED EVER THE THINKS
			ESULT	lead (Day Times)	Result (Night Time)
Sr. No.	Lime	LOM	_ · · · · ·	esult (Day Time)	≤ 70
MPCB Stand		an an		≤ 75 60.1	
_ !	11:30 AM	dB (A)	-		
2	12:30 PM	dB (A)		61.6	
3	13:30 PM	dB (A)		62.7	
5	_14:30 PM	dB (A)	-	63.3	
	15:30 PM	<u>dB (A)</u>		63.8	
$-\frac{6}{7}$	10:30 PM	dB (A)		63.2	
	17:30 PM	dB (A)		62.9	
8	18:30 PM	dB (A)	_		
9	19:30 PM	<u>dB (A)</u>		61.5	<u>-</u>
10	20:30 PM	dB (A)			
_11	21:30 PM	dB(A)		_ 63.8	56.6
12	22:30 PM	<u>dB (A)</u>			57.2
13	23:30 PM	<u>dB (A)</u>			56.4
14	24:30 AM	dB (A)			55.9
15	01:30 AM	dB (A)			57.3
16	02:30 AM	dB(A)			58.4
17	03:30 AM	dB (A)	+		56.8
18	_04:30 AM	dB (A)			58.2
19	05:30 AM	dB (A)		59.7	5012
20	06:30 AM	dB (4)		56.4	
21	07:30 AM	<u>dB (A)</u>		57,5	
22	08:30 AM	<u>dB (A)</u>		56.1	1
23 24	09:30 AM	dB (A)		58.4	
24	10:30 AM	dB (A)		61.09	57.10
	4 - 0 - 0 4 6	dR(A)	1	01.07	27+10

Average dB (A) 61.09

(O) I nit of Measurement, Remark: The Noise Level is within MPCB normal Limits Authorized Signatory

Reviewed By

(Mr. Pra Vant Patil)

(Dv. Quala, Manager) ferms and Conditions

The Report is valid for tested sample only

the results shown in this test report may differ linear or various factors including temperature humidity pressure, retention time etc.

The first portion of publicity purpose without the written consent of 199 Tales v 1 1 1 3 1 Pt ******* ++ ****+5*End of Report**** **+5*****

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

Page 1 of 1

THE ENVIRONMENTAL LABORATORY RECOGNISED UNDER ETAL ENVIRONMENT (PROTECTION) ACT BY (MOSE & CC. MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE REGISTERED OFFICE D-52/18, MIDC Waluj Chh Sambhainagai (Aurangabad) 431 136. 0240-6641879 - 9970429991/7745069991 t that compared the continued of the middle the continued of the continued of the continued of the middle of the continued of MUMBAI OFFICE: Dhawalgir: Co-op. Hsg. Society: Building No. 1. Flat No. B-3, Near Peace Park Hotel. Thana Nak. Panvel. 410 206 08652671991 The king good state of the control of the control of the PUNE OFFICE B zi ne 410-41, 4th floor Near Vilay Sales Prine Mumbai Road Chinenwad, Pune 411019 - 7447439991 Weiner the trial or well excellentent postan.

Excellent Enviro Laboratory &

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in Water & Waste Water Treatment, Monitoring, Testing & Environmental Compliance".

Format No. EEL RC/L AB/F/066-7.8

AMBIENT NOISE MONITORING REPORT

Client's Name & Address	Sample ID.	EEL/ABD/N-76/07/2024-25
M/S. HIKAL LTD., T = 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporting	16/07/2024

	SAMPLING DETA	AILS			
01) Location of Sampling Gate No. 2 (Pilot Plant)					
02) Sampling Procedure	IS 4758				
03) Sample Collected By	M/s. Excellent Envi	ro Laboratory & Research Center Pvt.Ltd.			
04) Date of Sampling	08/07/2024 to 09/07/2024				
05) Time of Sampling & Sampling Duration	From 11:30 AM of 08/07/2024 to 11:30 AM of 09/07/2024(24 hrs.)				
06) Sampling Duration	24 hrs. Day & Night				
	Serial No.	EELRC/EQ/SM/38			
07) Instrument Details	Make	KUSAM MECO			
	Calibration Date	Calibration On: 13/11/2023 Due On: 13/11/2024			

DESHIT

Sr. No.	Time	UOM	Result (Day Time)	Result (Night Time)
		COM		
MPCB Stand			≤75	≤ 70
	11:30 AM	dB(A)	60.1	
2	12:30 PM	dB (A)	61.6	-
3	13:30 PM	dB(A)	62.3	
4	14:30 PM	dB(A)	62.7	
5	15:30 PM	dB (A)	63.3	. •
6	16:30 PM	dB (A)	63.8	
7	17:30 PM	dB(A)	63.2	-
8	18:30 PM	dB(A)	62.9	
9	19:30 PM	dB (A)	61.5	<u> </u>
10	20:30 PM	dB (A)	64.2	
11	21:30 PM	dB(A)	63.8	
12	22:30 PM	dB(A)	(*)	56.6
13	23:30 PM	dB(A)	5 8.	57.2
14	24:30 AM	dB (A)	-	56.4
15	01:30 AM	dB(A)	-	55.9
16	02:30 AM	dB (A)	-	57.3
1.7	03:30 AM	dB (A)		58.4
18	04:30 AM	dB (A)		56.8
19	05:30 AM	dB (A)	-	58.2
20	06:30 AM	dB (A)	59.7	-
21	07:30 AM	dB(A)	56.4	-
22	08:30 AM	dB(A)	57.5	-
2.3	09:30 AM	dB (A)	56.1	
24	10:30 AM	dB (A)	58.4)#)
	Average	dB (A)	61.09	57.10

UOM - Unit of Measurement. Remark: The Noise Level is within MPCB normal Limits

Reviewed By

(Mr. Prastant Patil) (Dy. Quality Manager)

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(Ms. Dhammashila Narwade) (Dy. Technical Manager)

Authorized Signatory

Page 1 of 1

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MOSE & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879; 9970429991/7745069991

Email: celab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com MUMBAI OFFICE: Dhawalgiri Co-op. Hsg. Society, Building No.1, Flat No. B-3, Near Peace Park Hotel, Thana Naka, Panvel - 410 206 | 08652671991

Email: kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com

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nall : punesales@excellentenviro.com Certifications * ♦ ISO 9001: 2015 ♦ ISO 14001 - 2015 ♦ ISO 45001 - 2018

Website . www.eelab.in/ www.excellentenviro.com

Excellent Enviro Laboratory & Research

(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring. Testing & Environmental Compliance".

Format No. EELRC/LAB/F/066-7.8

AMBIENT NOISE MONITORING REPORT

Client's Name & Address	Sample ID. Date of Reporting		EEL/ABD/N-77/07/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208			16/07/2024
	SAMPLING DETAIL	LS	_
01) Location of Sampling	Gate No. 3 (Emerge	ncy Gate)	
02) Sampling Procedure	1S 4758		
03) Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt.Ltd.		
04) Date of Sampling	08/07/2024 to 09/07/2024		
05) Time of Sampling & Sampling Duration	From 11:40 AM o	f 08/07/2024	to 11:40 AM of 09/07/2024(24 hrs.)
06) Sampling Duration	24 hrs. Day & Night		
	Make	EELRC/EQ/SM/41	
07)Instrument Details	Scrial No.	KUSAM M	ECO
	Calibration Date	Calibration	On: 13/11/2023 Due On: 13/11/2024

			RESULT		
Sr.No.	Time	Unit	Result (Day Time)	Result (Night Time)	
MPCB Standard Limit		imit	≤ 75	≤ 70	
1	11:40 AM	dB (A)	58.5	-	
2	12:40 PM	dB (A)	59.1	<u>-</u>	
3	13:40 PM	dB (A)	62,2		
4	14:40 PM	dB (A)	60.4	_	
5	15:40 PM	dB (A)	58.3	-	
6	16:40 PM	dB (A)	57.6		
7	17:40 PM	dB(A)	59.1		
8	18:40 PM	dB (A)	59.5		
9	19:40 PM	dB (A)	60.6	-	
10	20:40 PM	dB(A)	61.8		
11	21:40 PM	dB (A)	62.2	<u>-</u>	
12	22:40 PM	dB (A)	-	58.2	
13	23:40 PM	dB(A)	-	56.5	
14	24:40 AM	dB (A)	# T	54.7	
15	01:40 AM	dB(A)	-	55.3	
16	02:40 AM	dB (A)	-	55.1	
1.7	03:40 AM	dB (A)	-	52.9	
18	04:40 AM	dB (A)		56.7	
19	05:40 AM	dB (A)	64.	56.8	
20	06:40 AM	dB (A)	58.2	-	
21	07:40 AM	dB (A)	57.5		
22	08:40 AM	dB (A)	57.1	-	
23	09:40 AM	dB (A)	58.7	•	
24	10:40 AM	dB (A)	59.2	-	
	Average	dB (A)	59.37	55.77	

LOM - Unit of Measurement, Remark: The Noise Level is within MPCB normal Limits

(Mr. Prashant Patil) (Dv. Qualit Manager)

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Authorized Signatory

Page 1 of 1
AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MOEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE REGISTERED OFFICE: D 52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. 20240-6641879 9970429991/7745069991

Ernail eclab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com/

MUMBAI OFFICE: Dhawalgiri Co-op. Hsg. Society. Building No.1. Flat No. B-3, Near Peace Park Hotel. Thana Naka. Panvel - 410 206 @ 08652671991 Email kalyani@excellentenviro.com/ mumbaisales@excellentenviro.com

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Email: punesales@excellentenviro.com Certifications
♦ ISO 9001 9015 ♦ ISO 14001 : 2015 ♦ ISO 45001: 2018

Website: www.eelab.in/ www.excellentenviro.com

Excellent Enviro Laboratory & Research

(Formerly known as Excellent Enviro Laboratory & Research Center) Master in Water & Waste Water Treatment, Monitoring. Testing & Environmental Compliance".

Format No. EELRC/LAB/F/074-7.8

WORKPLACE NOISE MONITORING REPORT

Client's Name & Address	SampleID.	EEL/ABD/N-78/07/202425	
M/S. HIKAL LTD., T = 21, M. I. D. C. Area, TALOJA, 410208	Date of Report	ng 16/07/2024	
	SAMPLING DET	AILS.	
01) Location of Sampling	As Listed Below in	he Table	
02) Sampling Procedure	IS 4758		
03)Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt. Ltd		
04)Date of Sampling	08/07/2024		
05)Sampling Time	15:00PM to 16:00 PM		
	Make/Model No.	KUSAM -MECO/KM928MK-1	
06) Instrument Details	Serial No.	EELRC/EQ/NM/90	
VIII THAT BUILDING DECIMAL	Calibration Date	Calibration on: 13/11/2023 Due On: 13/11/2024	

DECLIE TO

		RESULT	S	-
Sr. No.	Test Location	UOM	Average Noise Level Readings	Limit as per Maharashtra Factories Rule, 1963.
1	Phase - 1 Ground Floor Bloor - 201	dB (A)	73.4	es (minute)
2	Phase - 2 Near Acid Scrubber Pump	dB (A)	74.9	
3	Phase - 3-G Floor Near Scrubber	dB (A)	75.5	
Ā	Process Compressor - K 501	dB (A)	89.1	
5	MPP Near Blower 3001 A/B	dB (A)	82.6	
6	MPP Brine Plant U-3008 A/B	dB (A)	84.4	
7	Utility Near Air Compressor 960 A	dB (A)	82.2	
8	Utility Near Air Compressor 960 E	dB (A)	88.6	
9	Utility Near Air Compressor 960 D	dB (A)	85.2	
10	Utility Near CHB 930 A	dB (A)	83.8	-00 1011
11	Utility Near CHB 930 B	dB (A)	89.0	$\leq 90 \text{ dB(A)}$
12	Utility Near CHB 930 C	dB (A)	86.5	
13	Utility Chiller Plant 1001 A/B	dB (A)	85.8	
14	Utility Chiller Plant 1001 CHP 940	dB (A)	82.9	
15:	HTP 650 Packing Room Blower	dB (A)	67.7	
16	11TP 213 Packing Room Blower	dB (A)	82.1	
17	ETP Blower Area	dB (A)	82.5	
18	Utility Near CHB 930 D	dB (A)	84.4	
19	Utility Air Compressor CHB 930 F	dB (A)	85.1	
20	Utility Chiller U-1002	dB (A)	83.7	
21	Pilot-Utility CHB 2081	dB(A)	76.6	

Remark: - Noise level is within normal limits as specified in the Maharashtra Factories Rule, 1963.

(Mr. Prashant Patil) (Dy. Quality Manager)

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AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENPage dS o € CLIMATE CHANGE

REGISTERED OFFICE: D-52/18 MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136 = 0240-6641879 | 9970429991/7745069991

Email = celab@excellentenviro.com/info@excellentenviro.com/sales@excellentenviro.com MUMBAI OFFICE: Dhawalgiri Co-op. Hsg. Society. Building No.1. Flat No. B-3. Near Peace Park Hotel. Thana Naka. Panvel - 410 206 a 08652671991

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mail : punesales@excellentenviro.co

Certifications: ♦ ISO 9001: 2015 ♦ ISO 14001: 2015 ♦ ISO 45001: 2018

Website: www.eelab.in/ www.excellentenviro.com

Authorized Signatory

(Ms. Dlammashila Narwade)

(Dy. Technical Manager)

HIKAL

HIKAL LTD ,TALOJA

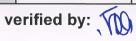
Workplace Noise Level Monitoring

Date: 17.06.2024

Time: 10:35 hrs.

Sr.No.	Area	Limit	Noise Level	Remark
1	Phase - 1 -Ground floor-Blower 201		82	
2	Phase - 2 -Near acid scrubber pump		80	
3	Phase - 3 -G floor-Near scrubber		83	
4	Process compressor-K501		81	
5	MPP -Near blower 3001A/B		82	
6	MPP -Brine plant U3008A/B		81	
7	Utility-Near air compressor 960A		83	
8	Utility-Near air compressor 960B		82	
9	Utility-Near air compressor 960D		84	
10	Utility-Near CHB 930A	90 db For	83	
11	Utility-Near CHB 930B		85	
12	Utility-Near CHB 930C	8:0 hours working	83	
13	Utility-Chiller plant 1001A/B		82	
14	Utility-Chiller plant CHP940		81	
15	Diesel generator-outside area		82	
16	HTP-650 Packing room blower		78	
17	HTP-213 Packing room blower		77	
18	ETP blower area		84	
19	Utility-Near CHB 930D	He is	83	
20	Utility-Air Compressor CHB 930F		81	
21	Utility-Chiller U1002		83	
22	Pilot-Utility CHB2081		82	

Checked by:



(Formerly known as Excellent Enviro Laboratory & Research Center)
Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

Format No. EELRC/LAB/F/076-7.8

INSERTION LOSS MEASUREMENT REPORT

Client's Name & Address	· Sample ID	EEL/ABD/IL	-03/07/2024-25	
M/S. HIKAL LTD., T = 21, M. I. D. C. Area, TALOJA, 410208	Date of Report		10/07/2024	
1)Date of Measurement	01/07/2024			
2)Time of Measurement	02:45 PM			
3)Sample Collected By	M/s. Excellent Enviro Laboratory & Research C		Center Pvt Ltd	
4)Test Location	DG Set -1500 KVA (S-1)			
	Serial No.	KUSAM -MECO/KM928MK1		
5)Instrument Details	Make ·	EELRC/EQ/AFD/56	100	
* *	Calibration Date	Calibration on:06/07/2023 D	ue On:06/07/2024	

RESULTS

Sr.	Sampling Location	Noise Level Measurement dB(A)		Insertion	VAN HER HATTE AND
No. 0.5 Me	0.5 Meter Away from D.G. Set	Canopy Open	Canopy Closed	Loss dB(A)	As Per MPCB Limit
1	East	103.3	74.2	29.1	
2	West	104.1	73.9	30.2	Min. 25 dB(A)
3	South	104.8	74.5	30.3	
4	North	105.4	74.1	31.3	
	45	AVERAGI	E = 30.22 dB(A)		90

Remark: Insertion Loss Level is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager) D-52/18
D-52/18
MIDC, Waluj
Aurangabad

Authorized Signatory

(Ms. Dhammashila Narwade) (Dy. Technical Manager)

rms and Conditions

This Report is valid for tested sample only *

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Page 1 of 1

AN ENVIRONMENTAL LABORATORY RECOGNISED UNDER EPA, ENVIRONMENT (PROTECTION) ACT BY (MoEF & CC) MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE

REGISTERED OFFICE: D-52/18, MIDC Waluj, Chh. Sambhajinagar (Aurangabad) - 431 136. ₹ 0240-6641879 € 9970429991/7745069991

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Master in "Water & Waste Water Treatment, Monitoring,
Testing & Environmental Compliance".

♦ Technology for sustainable development ♦

Format No. EELRC/LAB/F/076-7.8

INSERTION LOSS MEASUREMENT REPORT

VIEW CONTRACTOR OF THE PROPERTY OF THE PROPERT		
Client's Name & Address	Sample ID	EEL/ABD/IL -01/09/2024-25
M/S. HIKAL LTD., T – 21, M. I. D. C. Area, TALOJA, 410208	Date of Reporti	
1)Date of Measurement	11/09/2024	
2)Time of Measurement	02:30 PM	
3)Sample Collected By	M/s. Excellent Enviro Laboratory & Research Center Pvt	
4)Test Location	DG Set -1500 KVA (S-1)	
	Serial No.	KUSAM -MECO/KM928MK1
5)Instrument Details	Make	EELRC/EQ/NM/90
20	Calibration Date	Calibration on:13/11/2023 Due On:13/11/2024

RESULTS

Sr. No.	Sampling Location	Noise Level Measurement dB(A)			
	0.5 Meter Away from D.G. Set	Canopy Open	Canopy Closed	Insertion Loss dB(A)	As Per MPCB Limit
1	East	105.6	74.1	31.5	Min. 25 dB(A)
2	West	104.3	73.5	30.8	
3	South	104.8	73.9	30.9	
4	North	103.9	74.2	29.7	

Remark: Insertion Loss Level is within MPCB Limit.

Reviewed By

(Mr. Prashant Patil) (Dy. Quality Manager) D-52/18
MIDC Waluj
Aurangabad

Authorized Signatory

(Ms. Dhammashila Narwade)
(Dy. Technical Manager)

s and Conditions

his Report is valid for tested sample only

the results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.

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