



Shivalik Solid Waste Management Limited

Regd. Office : Village Majra, P.O. Dabhota, Teh. Nalagarh, Distt. Solan, Himachal Pradesh – 174 101
Zirakpur Office : SCO 20-21, 1st Floor, Near Hotel Dolphin, Kalka-Shimla Highway, Baltana, Zirakpur, Punjab - 140 604
Ph. No : 01762-509496, Telefax : 01795-260427, E-mail : rajeev.thakur@beil.co.in
GSTIN: 02AAJCS7647D1ZE CIN:U33130HP2005PLC028806

Ref. No. SSWML/ZIR/EIA/23-24/16064

Dated 03.08.2023

To

The Director,
Regional Office, Government of India
Ministry of Environment, Forest, and Climate Change
25, Subhash Road, Dehradun-248001.

Subject: - Submission of Six-monthly Compliance Report of “Shivalik Solid Waste Management Ltd., Tehsil Nalagarh, Distt. Solan, Himachal Pradesh for June-2023

Sir,

This is in response to the letter EC22A032HP155908 dated 25.03.2022. We are hereby submitting the six monthly “compliance report” (period ending 31.03.2023) for Common Hazardous Waste Treatment, Storage and Disposal Facility(TSDF) at Survey No. 1244/1, 1437/1, 1438/1, 1510/1 Village Majra, P.O Dhabota, Tehsil Nalagarh, Distt. Solan, Himachal Pradesh for your kind perusal.

Thanks & Regards

Authorized Signatory

CEO

Shivalik Solid Waste Management

CC:

1. Principal Secretary, State Environment Assessment Authority Department of Environment, Science & Technology, Paryavaran Bhawan, Near US Club, Shimla, Himachal Pradesh-171001.
2. Member Secretary, Himachal State Pollution Control Board, Phase III, Shimla.
3. Himachal Pradesh State Pollution Control Board, Regional Office, Baddi, Solan H.P.

Enclosures: -

1. Compliance Report
2. Environmental Monitoring Report



SIX MONTHLY COMPLIANCE REPORT
OF
SHIVALIK SOLID WASTE MANAGEMENT LTD.

VILL.- MAJRA, P.O.- DABHOTA, TEHSIL- NALAGARH, DISTT.- SOLAN, H.P.



PROJECT LOCATION

Shivalik Solid Waste Management Ltd.

Vill. Majra, P.O. Dabhota, Tehsil Nalagarh, Distt. Solan, Himachal Pradesh

JUNE-2023

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CHAPTER-1**INTRODUCTION:****1.1 BRIEF OF THE PROJECT: -**

Shivalik Solid Waste Management Ltd. is a TSDF Landfill facility located at Survey No. 1244/1, 1437/1, 1438/1, 1510/1, Village–Majra, P.O. Dabhota, Tehsil Nalagarh, Distt. Solan, Himachal Pradesh. The environment clearance letter for the project was granted by Ministry of Environment, Forests & Climate Change, Government of India vide **EC22A032HP155908** dated **25.03.2022** which is attached along as **Annexure-I**.

1.1.1 SALIENT FEATURE OF THE PROJECT: -

File No.	21-112/2021-IA-III
Project type	Category 7(d) <i>i.e.</i> , Common hazardous waste treatment, storage, and disposal facilities of EIA notification, 2006.
Project Location	Village–Majra, P.O. Dabhota, Tehsil Nalagarh, Distt. Solan, Himachal Pradesh.
Total Plot Area	35 acres (1,44,032 sq. m)
Green Area	50,032 sq. m <i>i.e.</i> , 35%
Processing Capacity of Landfill Waste	20,00,00 MT/year
Total Number of cells	13 SLF Cells
Manpower	80
Source of Electricity	HP, State Electricity Board
D.G Sets	1Nos capacity (100 kVA)
Source of Water	Tube well
Validity period of EC	7 years from date of issue
Total Project Cost	22 Cr.

1.2 PURPOSE OF THE REPORT: -

As per the “Sub Para (ii)” of “Para 10” of EIA Notification 2006, it is stated that “It shall be mandatory for the project management to submit half-yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year” and as per compliance of condition mentioned in Environment Clearance Letter, Six monthly compliance reports should be submitted to the Himachal Pradesh State Pollution Control Board and Regional Office, MoEF, GOI, Northern Region, and a copy to the Regulatory Authority of Himachal Pradesh.

It is mandatory to submit a Six-Monthly Compliance Report to show the status & compliance of all the Conditions mentioned in Environment clearance Letter, along with monitoring of various Environmental Parameters (as per CPCB Norms). The regulatory authorities in this case are Himachal State Pollution Control Board, Regional Office-MoEF (Dehradun) and SEIAA, H.P. Based on the Specific and General Conditions mentioned in the EC Letter, a Compliance Report was prepared.

Current Status of the Project: Operational Phase.

COMPLIANCE REPORT

All the Statuary Compliance Conditions as per the Environmental Clearance (Attached as **Annexure-I**) of TSDF site situated at Village – Majra, P.O.- Dhabota, Tehsil- Nalagarh, District - Solan, Himachal Pradesh.

1.3 POINT WISE SCOPE OF WORK AS THE CONDITIONS OF ENVIRONMENT CLEARANCE:

Sr. No.	CONDITIONED OF ENVIRONMENT CLEARANCE	COMPLIANCE
A. SPECIFIC CONDITION		
i	The Proponent should ensure that the project fulfill all the provisions of Hazardous and other wastes(Management and Trans Boundary Movement) Rules, 2016 and the “Protocol for Performance Evolution and Monitoring” for the same as Published by CPCB including collection, transportation, design <i>etc.</i>	Agreed. We had fulfilled all the provisions of hazardous waste (Management and Trans Boundary Movement) Rules-2016.
ii	Guidelines for secured landfill issued by CPCB shall be followed.	Agreed.
iii	Necessary Provision shall be made for firefighting facilities within the complex.	Complied. Firefighting facilities are available within the complex.
iv	Project Proponent should prepare and implement an on-site Emergency management plan.	Complied. Same has been submitted at the time of Final EIA report.
v	Employees shall be provided work specific PPE such as helmets, safety shoes, masks <i>etc.</i>	Agreed. Employees and Workers are provided with work specific PPE such as Helmets, safety shoes, masks <i>etc.</i> PPE Matrix is attached as Annexure IX and Photographs is attached as Annexure-XI .
vi	Project Proponent should develop green belt all along the periphery of the TSDF with plant species that are significant and used for the pollution abatement. Total green area of 50,032 sqm (@35% of plot area)and 10,006	Agreed. Green belt has been developed around the periphery of the TSDF site. Photographs of the green belt is

	trees shall be maintained as proposed. The tree species shall be selected as secured to site condition in consultation with concerned forest department.	attached as Annexure-XI .
vii	Fresh water requirement shall not exceed 12KLD during operational phase. Abstraction of ground water shall be subject to the permission of central groundwater authority (CGWA).	Agreed. It is being ensured that freshwater requirement will not exceed 12 KLD and no ground water will be abstracted without prior permission of CGWA.
viii	Gas generated in the landfill should be Properly collected, monitored and flared.	This is Secure landfill facility; no gas will be generated.
ix	Sufficient Number of Piezo meter wells shall be installed in and around the project site to monitor the ground water quality in consultation with the state pollution control Board/CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Reginal office of MoEF & CC	Agreed and Complied
x	The depth of the landfill site shall be decided based on the ground water table at the site	Agreed. Depth of landfill site is in accordance with ground water table.
xi	PP Shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.	Agreed. All the chemicals are handled with adequate safety procedure to avoid spillage.
xii	Wastewater generated from process including leachates arising from premises shall be treated in MEE of 20KLD Capacity. Treated water shall be reused within the Project. Toxicity characteristic Leaching procedure (TCLP) test to be performed on leachates.	Agreed. TCLP test conducted on regular basis and record maintained for the same.
xiii	Rainwater runoff from the landfill area and other hazardous waste management area shall be collected and treated in an effluent treatment plant.	Agreed. During rainy season operation suspended and temporary cover shall be provided. Rainwater will be

		going to the storm water drain. Any contaminated water found is taken to the MEE treatment.
xiv	The PP shall install continuous effluent monitoring system with respect to standards prescribed in Environment Protection Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment Protection Act, 1986 or NABL accredited laboratories.	Not applicable. We are operating as Zero liquid discharge unit.
xv	Any Waste from construction and demolition activities related therefore shall be managed so as to strictly conform to the Construction and demolition waste management rule, 2016	Not applicable
xvi	No non-hazardous wastes, as defined under the hazardous and other waste (Management and Trans- Boundary Movement) Rules, 2016. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from Project.	Agreed. SSWML is only handling hazardous waste from the industries.
xvii	Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary Security provision should be made as a condition in the authorization under the Hazardous and other wastes(Management and Transboundary Movement) Rules, 2016 to Prevent unwanted access.	Agreed. The site is maintained properly. No unauthorized person or goods are allowed to enter the Site Premises.
xviii	Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized, and no public space should be utilized.	Agreed. There is no traffic congestion in the entry and exit points of the project site and no public space is being utilized.

xix	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of services of the roads within a 2 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 2kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the state urban development department and the PWD/Component authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Traffic management plan submitted at the time of Final EIA report.
xx	The Environment clearance to the project is primarily under provision of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals/clearances under any other Acts/Regulation or statutes as applicable to the project.	Agree. Project proponent has obtained all the approvals/clearance under the Provision of EIA Notification, 2006.
B. STANDARD CONDITIONS :		
I. STATUTORY COMPLIANCES		
i	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.	Not Applicable. There is no forest land involved.
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable.
iii	The project proponent shall prepare a Site-Specific Conservation plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendation of the	Conservation plan for Schedule-I species submitted at the time of Final EIA report.

	approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the state forest department. The implementation report shall be furnished along with the six-monthly compliance report (In case of the presence of schedule-I species in the study area).	
iv	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee. A copy of same shall be submitted to State Environment Impact Assessment Authority (SEIAA) before start of any construction work at the site.	Consent to Establish/Operate has been applied from Himachal Pradesh Pollution Control Board. Copy is attached as Annexure-II
v	The PP should ensure that the TSDF fulfils all the provisions of Hazardous and other wasted (Management and Transboundary Movement) Rules, 2016.	Agreed. Project proponent is fulfilling all the provision of Hazardous and other wasted (Management and Transboundary Movement) Rules, 2016.
vi	The PP shall adhere to all conditions as prescribed in the protocol for performance Evaluation and Monitoring of the Common Hazardous waste Treatment, storage and disposal facilities Published by CPCB in May 2010.	Agreed.
vii	Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.	Not applicable as this is Secure landfill Facility without incinerator.
viii	The project proponent shall obtain necessary prior permission from the Central Ground Water Authority, in case of drawl of ground water/ from the competent authority concerned in case of drawl of surface water required for the project.	Agreed. Permission obtained from CGWA same attached as Annexure-XII .
ix	A certificate of adequacy of available power from the agency supplying power to the	Agreed. NOC obtained from the department

	project along with the load allowed for the project should be obtained.	and same attached as Annexure XII .
x	All other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	Agreed and Noted
II. AIR QUALITY MONITORING AND PRESERVATION :		
i.	The Project Proponent shall install 24*7 Continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in environment (Protection) Rules 1986 and Connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment Protection Act, 1986 or NABL Accredited Laboratories.	Not Required, because this is SLF. Stack monitoring is done on regular basis for Boiler.
ii.	The PP shall monitor fugitive emission in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Agreed. Monitoring reports attached as Annexure III .
iii.	The project proponent shall install system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutant released (e.g., PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x emission) within the outside the project area at least at four locations (one within and three outside the project area at the angle of 120° each), covering upwind direction.	Agreed. Monitoring reports are attached as Annexure-III
iv.	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual of emission.	Agreed.
v.	The PP shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of	Agreed, We will submit the same to concerned authorities.

	air quality/fugitive emission to Regional office of Mo EF&CC, Zonal office of CPCB and Regional office of SPCB along with six-monthly monitoring report.	
vi	Appropriate air pollution control (As Proposed, air pollution control device viz gas quencher , treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs(if any) bag filters/ESP for removal of particulate matter, venturi scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas, and demister column for arresting water carry over will be provided to the incinerator system shall be provided for all the dust generating points system shall be provided for all the dust generating points including fugitive dust from all the dust greeting points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Not Applicable.
vii	The Periodical monitoring of Dioxin and Furans in the stack emission shall be carried out. Analysis of Dioxins and Furans shall be done through CSIR-National Institute for interdisciplinary science and Technology (NIIST), Thiruvananthapuram or equivalent NABL accredited Laboratory.	NA, as there is no gas generation.
viii	Gas generated in the land fill should be properly collected monitored and flared.	No gas generation in this facility.
ix	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of services of the roads within a 02 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 02	This facility is located 2 km away from the Road so there is no congestion on the roads.

	kms radius of the site in different scenarios of space and time and the certified by the state urban Development department and the P.W.D/Competent authority for road augmentation of components of the plan which involve the participation of these department.	
III. WATER QUALITY MONITORING AND PRESERVATION:		
i.	The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	NA, We worked on ZLD.
ii.	Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the SPCB/CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to SPCB and the regional office of MoEF& CC.	Agreed. Monitoring reports attached as Annexure III.
iii	The PP shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional office of Mo EF&CC, Zonal office of CPCB and Regional office of SPCB along with six-monthly monitoring report.	Not Applicable.
iv	No discharge in near river(s)/ pond(s)	Agreed and Noted.
v	The depth of the land fill site shall be decided based on the ground water table at the site.	Agreed
vi	The company shall ensure proper handling of all spillages by introducing spill control procedures of various chemicals.	Agreed
vii	All leachates arising from premises should be collected and treated in the ETP followed by RO, RO rejects shall be evaporated in MEE.	Leachate generated is treated in MEE Plant.

	Toxicity Characteristic leaching procedure (TCLP) test to be performed on leachets.	
viii	The company shall review the unit operations provided for the treatment of effluents, especially the sequencing of MEE after tertiary treatment, the source of permeate when no R.O. is recommended and the treatment of MEE condensate. The scheme for treatment of effluent shall be as permitted by the pollution control board/committee under the provisions of consent to establish.	Not applicable
ix	Scrubber water, leachate water or wheel wash effluent shall be treated in the effluent treatment plant followed by RO to achieve zero liquid discharge.	MME is provided to treat the scrubber water, leachate water or wheel wash effluent. The condensate is recycled.
x	Total freshwater use shall not exceed the proposed requirement as provided in the project details, prior permission from competent authority shall be obtained for the use of fresh water.	Agreed.
xi	Sewage Treatment plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.	STP will be installed soon. Detail will be complied in next six-monthly compliance report.
xii	A certificate from the competent authority for discharging treated effluent/ untreated effluents into the public sewer/disposal/drainage system along with the final disposal point should be obtained.	Not Applicable, There is ZLD unit.
xiii	Rainwater runoff from hazardous waste storage area shall be collected and treated in the effluent treatment plant.	SSWML stored Hazardous waste in designated area having lined floor, walls around the periphery and covered with roof, There is no runoff from HW storage area.
IV. NOISE MONITORING AND PREVENTION:		
i	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report.	Agreed. Monitoring reports of the same is attached as Annexure III .

ii	The ambient noise levels should conform the standards prescribed under Environment (Protection) Act and Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during nighttime.	Agreed. Noise levels are within prescribed limits during daytime and nighttime i.e., 75 dB (A) and 70 dB (A)
iii	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Agreed
V. ENERGY CONSERVATION MEASURES :		
i	Energy conservation measures like installation of LED/CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.	Agreed. Energy conservation measures are being followed to conserve energy.
VI. WASTE MANAGEMENT :		
i	The TSDF should only handle the waste generated from the member units.	Agreed
ii	Periodical soil monitoring to check the contamination in and around the site shall be carried out.	Agreed. Monitoring reports of the same is attached as Annexure III .
iii	No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016, shall be handled in the premises.	Agreed. It is being handled in the premises only.
iv	The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.	Agreed. Hazardous waste is being stored within the limit as permitted by CPCB/SPCB.
v	The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Agreed. Solid waste is being segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
vi	The certificate form of the competent authority handling municipal solid waste should be obtained, indicating the existing civic capacities of handling and their	Not applicable, This is HW facility

	adequacy to cater to the M.S.W, generated from project.	
vii	Any waste from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	Not Applicable.
VII. GREEN BELT		
i	Green belt shall be developed in an area as provided in project details, with native tree species in accordance with Forest Department. The greenbelt shall inter alia cover the entire periphery of the project site.	Agreed. Photographs of the same is attached as Annexure XI .
ii	Topsoil shall be separately stored and used in the development of green belt.	Agreed.
VIII. PUBLIC HEARING AND HUMAN HEALTH ISSUES		
I	Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized, and no public space should be utilized.	Agreed. Parking is fully internalized and there is no public space utilized.
ii	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Agreed, same has been submitted at the time of Final EIA Report.
iii	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	We are hiring local workers for the same , so there is no need to proposed housing. Safe drinking water and Toilet facilities Provided to all.
iv	Occupational health surveillance of the workers shall be done on a regular basis.	Health Checkup of the workers done periodically, and Record are maintained for the same.
IX. MISCELLANEOUS		
i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by	Complied. It was advertised in local newspaper. Copy of advertisement is attached

	prominently advertising it at least in two local newspapers of the district or state, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's web site permanently.	as Annexure XIV.
ii	The copies of the environment clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in tum has to display the same for 30 days from the date of receipt.	Submitted.
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their web site and update the same on half-yearly basis.	Agreed and same will be upload soon.
iv	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest & Climate Change on environment clearance portal.	Agreed.
v	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system reporting infringements/deviation/violation of environmental/forest/wildlife norms/conditions and/ or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Agreed and will be complied soon.
vi	A separate Environmental Cell both at the	Agreed. EMC details attached as

	project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	Annexure IV.
vii	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	Agree to spend the amount as EMP is attached as Annexure V.
viii	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted.
ix	The project proponent shall submit the environmental statement for each financial year to the concerned State Pollution Control Board as prescribed under Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company with a copy to SEIAA.	Agreed and Noted.
x	The criteria pollutant levels namely; PM25, PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed. It is being displayed at the entry gate of the company in the public domain.
xi	The project proponent shall inform the Regional Office as well as SEIAA the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Agreed.mn

xii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed.
xiii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee	Agreed and complied.
xiv	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Agreed and Noted.
xv	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
xvi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
xvii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
xviii	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Agreed.
xix	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary	Agreed.

	Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.	
xx	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed.

ANNEXURE

ANNEXURE	
I	EC Letter
II	Consent to establish/Operate
III	Environmental Monitoring Reports
IV	Environment Management Cell
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VI	Fire NOC
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VIII	Medical Report of the workers
IX	PPE Matrix

X	Pollution under Control Certificates
XI	Site Photographs
XII	Water NOC
XIII	Electricity NOC
XIV	Newspaper advertisement



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The CEO
SHIVALIK SOLID WASTE MANAGEMENT LTD
Village Majra, PO Dabhota, Tehsil Nalagarh, Distt Solan, Himachal Pradesh, 174101, Solan, Himachal Pradesh-174101

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/HP/MIS/239636/2018 dated 02 Dec 2021. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22A032HP155908 |
| 2. File No. | 21-112/2021-IA-III |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 7(d) Common hazardous waste treatment, storage and disposal facilities (TSDFs) |
| 6. Name of Project | Capacity Enhancement of Secured Landfill Facility (SLF) from 10 Lac MT to 20 Lac MT at Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF) |
| 7. Name of Company/Organization | SHIVALIK SOLID WASTE MANAGEMENT LTD |
| 8. Location of Project | Himachal Pradesh |
| 9. TOR Date | N/A |

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

Date: 25/03/2022

(e-signed)
Dharmendra Gupta
Scientist F
IA - (INFRA-2 sector)

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

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F. No. 21-112/2021-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003

22nd March, 2022

To,

Shri Ashok Sharma, CEO

M/s Shivalik Solid Waste Management Ltd.

Village Majra, PO Dabhota,

Tehsil Nalagarh, Distt. Solan,

Himachal Pradesh-174101

E. mail: shivaliksolidwastemanagement@gmail.com

Subject: **Environmental Clearance for Capacity enhancement of Secured Landfill Facility (SLF) from 10 to 20 lacs MT at Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at Survey No. 1244/1, 1437/1, 1430/1 & 1510/1, Village Majra, P.O. Dabhota, Tehsil Nalagarh, Solan District, Himachal Pradesh by M/s Shivalik Solid Waste Management Ltd-Regarding.**

Sir,

This has reference to your Application/Proposal No. IA/HP/MIS/239636/2018; received on 22nd November, 2021 through Parivesh Portal for Environmental Clearance (EC) for Proposed Capacity enhancement of Secured Landfill Facility (SLF) from 10 to 20 lacs MT at Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at Survey No. 1244/1, 1437/1, 1430/1 & 1510/1, Village Majra, P.O. Dabhota, Tehsil Nalagarh, Solan District, Himachal Pradesh by M/s Shivalik Solid Waste Management Ltd.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006; as amended and notified under the Environment (Protection) Act, 1986 (29 of 1986), the above-mentioned project/activity is covered under category 'B' of item 7(d) 'Common hazardous waste treatment, storage and disposal facilities (TSDFs)' of the Schedule to the EIA Notification, 2006 and its subsequent amendments. However, General Condition is applicable and the project falls under Category 'A' since the interstate boundary of Himachal Pradesh and Punjab falls within 2.47 km (Aerial Distance) and 4.5 km (Road distance) from the proposed site. Therefore, it requires appraisal at Central level by sectoral EAC.

3. Accordingly, the abovementioned proposal for Environmental Clearance has been examined by the Expert Appraisal Committee (Infra-2) first in its 78th meeting held during 14-15th December, 2021, thereafter in its 80th meeting held during 20-21st January, 2022 and in its 82nd meeting held on 16th February, 2022.

4. The details of the project, as per the application and documents submitted by the project proponent, and also as informed during the above-mentioned meetings of EAC (Infra-2) are as under:

- i. The project is located at Khasra No. 1244/1, 1437/1, 1430/1, 1510/1, Village Majra, P.O. Dabhota, Tehsil Nalagarh, Distt. Solan, Himachal Pradesh.
- ii. The project is an 'Expansion'.
- iii. The project was granted Terms of Reference vide letter no. 10-73/2018-IA-III dated 30.11.2018 for capacity enhancement of existing Secured Landfill Facility (SLF) from 10 to 20 lacs MT.
- iv. The consent to establish (CTE) for the unit was applied in 2005 under Air Act 1981 and Water Act 1974 and in accordance to Hazardous Wastes (Management and Handling) Amendment Rules, 2003 under rule 8-Para 5 (before the enforcement of EIA Notification 2006 dated 14th September, 2006). Before setting up the facility, Himachal Pradesh State Pollution Control Board (HPSPCB) conducted Public Hearing on 29.03.06 at the project site as per requirements of HW Rules and the State Government thereafter notified the site for development of Common Hazardous Waste Treatment Storage and Disposal Facility vide notification no. Ind. A(F)15-4/2003-II dated 07.03.2007. The TSDF site has been operational since June 2008 after obtaining Consent to Operate (CTO) from HP Pollution Control Board. Compliance to the conditions of CTO has been obtained from HPPCB and submitted on the Parivesh Portal.
- v. The salient features of the project are given as follows:

S. No.	Particulars	Unit	Details
1	Plot area	sqm.	35 Acre (144,032 sqm.)
2	Green Area	sqm.	50,032 (35% of plot area)
3	Processing Capacity of Landfill Waste	MT/year	Existing- 50,000 Proposed- 50,000 Total= 10,00,00
4	Total no. of cells	No	13 SLF Cells
5	Manpower	Nos.	80
6	Source of Electricity Supply	-	Himachal Pradesh State Electricity Board.
7	Total Power Requirement	KW	373

8	DG Sets (Backup)	kVA	1 × 100
9	Fuel Requirement	L/hour	8-10 (Diesel) for DG set and 20-25 (Bio-Diesel) for Boiler
10	Source of Water	-	01 Tubewell (Permission for 15 KLD obtained)
12	Fresh Water Requirement	KLD	12
13	Wastewater Generation	KLD	10
14	Capacity of ETP/MEE	KLD	20
15	Total Vehicles at site	Numbers	58
16	Life of Landfill estimated	Years	25

- vi. Existing Secured Landfill cells (13nos. in total) have been designed as per the recommendations of design of Indian Institute of Technology, Delhi (IIT-D) and till date two cells are capped and two are in operation. Now, enhancement in the capacity of SLF is proposed through change in the height of heap of the SLF and change in slope from 1:5 to 1:4 which results in increase of capacity from 10 Lac MT to 20 Lac MT. This change is proposed under the guidance from IIT-D. Details of proposed expansion are given as follows:

Details	Existing	Proposed
Capacity of Landfill	10 lac MT	20 Lac MT
Total Height	10m (Below the ground)+ 20m (Above the ground) = 30 m	9m (Below the ground)+ 25m (Above the ground) = 34 m
Slope	1:5	1:4
Area	72000 sqm.	77000 sqm.

- vii. It is also proposed to expand the annual processing capacity of the unit as below:

S. No.	Category of Hazardous Waste	Type of Hazardous waste	Unit	Quantity of Hazardous waste (Tons/Annum)			Mode of Disposal
				Existing	Proposed	Total after Expansion	
1	Schedule-1 & schedule-2 of HOWR 2016	Land fillable waste	MTPA	50,000	50,000	100,000	Landfill at TSDF
2	5.1	Collection/ transportation of used oil	KL/ Year	600	600	1,200	To be sent for recycling to authorized recyclers
3	A4160	Collection/ transportation of used batteries	MTPA	600	600	1,200	To be sent for recycling to authorized recyclers
4	33.1	Collection/tra	Nos/	48,000	0	48,000	Utilization as

		transportation of discarded containers	year				per Rule 9 of HOWR, 2016
5	-	Pre-processing of Hazardous wastes for co-processing in cement kiln	MTPA	4,000	4,000	8,000	To be sent for co-processing in Cement Kilns in Himachal Pradesh

- viii. Project is located on land measuring 35 Acres (1,44,032 sqm.) given on lease by HPSPCB. As per the land lease, proposed project site is registered for industrial use. The land use distribution for the unit as proposed is given as follows:

Particulars	Total area (sqm.)	% Area
Green Area	50,032	34.7
Landfill Area	77,000	53.5
Total Infrastructure Area	17,000	11.8
Total Area	144,032	100.00

- ix. Total water requirement for the project will be 26.2 KLD during non-monsoon period and 22 KLD during monsoon period. The ultimate source of water will be tube well (1 no.). Fresh water demand for the project will be 12 KLD during non-monsoon period and 9 KLD during monsoon period. The remaining water demand will be met by treated water from MEE Condensate of 9 KLD and from collected rainwater reuse (5.2 KLD during non-monsoon period and 4 KLD during monsoon period) from onsite 1100 KL pond. Wastewater of 8 KLD generated from domestic use will be disposed to septic tank via soak pits. 10 KLD of wastewater generated from the processes will be treated in MEE of 20 KLD capacity. 9 KLD of treated water will be generated which will be utilized in wheel washing (3 KLD), scrubber (3 KLD) & boiler makeup (3 KLD).
- x. There is use of approx. 19 no of vehicles daily for transportation purposes. For the proposed expansion, total parking space for 58 no. vehicles is earmarked for parking of trucks and cars within the facility premises.
- xi. Total 12 kg/day of Municipal Solid Waste is being generated from 80 no. of workers out of which 7 kg/day is treated in existing biogas plant and 5 kg/day is recyclable waste which is treated within the site.
- xii. The total power requirement will be 373 kW which will be met by Himachal Pradesh State Electricity Board. DG set (1× 100 KVA) will be provided for power backup. Adequate stack height of 7.6 m from roof level shall be maintained.
- xiii. There is use of approx. 19 no of vehicles daily for transportation purposes. For the proposed expansion, total parking space for 58 no.

- vehicles is earmarked for parking of trucks and cars within the facility premises.
- xiv. Solar cells will be installed after total capping of the landfill. Tentative proposal for solar power installation is of 130 KW. Total Energy savings will be 34.8 % of the power load. 11 Solar Street lights of 7 watts have been installed within project premises in 2011.
- xv. 2 Nos of rain water collection tanks are installed. One tank of 1100 KL capacity having catchment of nearby hilly terrain and second tank of 6 KL capacity collecting rooftop rainwater of laboratory block. The collected rainwater shall be reused within the facility for gardening on non-rainy days and cooling tower/lab water makeup. During the rainy season, a flexible geo-membrane cover shall be placed over the uncapped area of the landfill to minimize infiltration of rainfall into the landfill and the rainwater shall be diverted to join the surface water drains.
- xvi. Public Hearing was conducted at the project site on 09.01.2020 at 11.30 AM. Major issues raised during the public hearing and response in the form of implementable action plan have been submitted.
- xvii. Total capital cost towards EMP will be ₹ 2200 lakhs and recurring cost will be ₹ 19.2 lakhs per year.
- xviii. Baseline study was conducted in the winter season from December 2018- February 2019 at 9 locations & revalidated baseline study was carried out for from 10th Oct- 10th Nov, 2021 at 9 no. of locations.
- xix. The project is not located in a Critically Polluted area.
- xx. The project is not located within 10 km of Eco Sensitive Zone. NBWL Clearance is not required.
- xxi. Forest Clearance is not required.
- xxii. There is a litigation pending on this project in the High Court of Himachal Pradesh (Case No. CWPIIL No. 45 of 2021). The court Order dated 14.10.2021 states that the concerned authority to carry out necessary inspection and take further action in accordance with law and also to submit an action taken report. The inspection was carried out by NPC and the report was submitted to SDM, Solan and HPSPCB.
- xxiii. Green belt is developed along most of the periphery of the project area as well as along roads. Total of 50,032 sqm. (35% of plot area) shall be developed as green area. No tree cutting is involved in the project. About 10,006 no. of trees are proposed at site out of which 8000 no. of trees have already been planted.
- xxiv. Investment/Cost of the total project is ₹ 22 crores.
- xxv. Employment potential- About 33 persons during construction phase and 80 persons during operation phase.
- xxvi. Benefits of the project-There are 3,078 numbers of hazardous waste generating industries in industrial area of Himachal Pradesh. This industrial growth has led to continuous increase in generation of Hazardous Waste. Hazardous waste and its related environmental problems have been recognized by HPSPCB. There is only one common secured landfill facility i.e. M/s Shivalik Solid Waste Management Ltd. Distt. Solan in Himachal Pradesh. Capacity

Enhancement of Secured Landfill Facility (SLF) from 10 Lacs to 20 Lac MT and processing capacity of landfill waste will also be increased from 50,000 TPA to 100,000 TPA at existing Facility. Thus the project will cater to the treatment of the increasing Hazardous waste in the entire state of Himachal Pradesh. The project will create direct and indirect employment for local people for which skilled and unskilled manpower will be needed. It promotes the proper disposal of hazardous waste in the state of Himachal Pradesh.

5. The EAC (Infra 2), based on information and clarifications provided by the project proponent and detailed discussions held on the issues, has recommended granting environment clearance to the project. The aforesaid recommendation of EAC (Infra-2) is subject to certain specific conditions, as stipulated during its 82nd meeting held on 16th February, 2022.

6. Based on recommendations of EAC (Infra-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project for Proposed Capacity enhancement of Secured Landfill Facility (SLF) from 10 to 20 lacs MT at Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at Survey No. 1244/1, 1437/1, 1430/1 & 1510/1, Village Majra, P.O. Dabhota, Tehsil Nalagarh, Solan District, Himachal Pradesh by M/s Shivalik Solid Waste Management Ltd, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the following specific and standard conditions:

A. Specific Conditions:

- i. The proponent should ensure that the project fulfil all the provisions of Hazardous and other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the 'Protocol for Performance Evaluation and Monitoring' for the same as published by the CPCB including collection, transportation, design etc.
- ii. Guidelines for Secured Landfill issued by CPCB shall be followed.
- iii. Necessary provision shall be made for fire fighting facilities within the complex.
- iv. Project proponent should prepare and implement an on-site Emergency Management Plan.
- v. Employees shall be provided work specific PPE such as helmets, safety shoes, masks etc.
- vi. Project proponent should develop green belt all along the periphery of the TSDF with plant species that are significant and used for the pollution abatement. Total green area of 50,032 sqm. (@ 35% of plot area) and 10,006 trees shall be maintained as proposed. The tree species shall be selected as suited to site conditions in consultation with concerned forest department.
- vii. Fresh water requirement shall not exceed 12 KLD during operational phase. Abstraction of ground water shall be subject to the permission of Central Ground Water Authority (CGWA).

- viii. Gas generated in the Landfill should be properly collected, monitored and flared.
- ix. Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board/CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.
- x. The depth of the landfill site shall be decided based on the ground water table at the site.
- xi. PP shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
- xii. Wastewater generated from the process including leachates arising from premises shall be treated in MEE of 20 KLD capacity. Treated water shall be reused within the project. Toxicity Characteristic Leaching Procedure (TCLP) test to be performed on leachates.
- xiii. Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in an effluent treatment plant.
- xiv. The project proponent shall install continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- xv. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
- xvi. No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016, shall be handled in the premises. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project.
- xvii. Project should ensure that the site is properly cordoned off from general movement and no unauthorized person or goods permitted to enter the premises. Necessary security provision should be made as a condition in the Authorization under the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 to prevent unwanted access.
- xviii. Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized and no public space should be utilized.
- xix. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 2 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being

- carried out or proposed to be carried out by the project or other agencies in this 2 kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the PWD/Competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- xx. The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals/clearances under any other Acts/Regulations or Statutes as applicable to the project.

B. Standard Conditions:

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- v. The Project proponent should ensure that the TSDF fulfils all the provisions of Hazardous and other Wastes (Management and Trans-boundary Movement) Rules, 2016.
- vi. The project proponents shall adhere to all conditions as prescribed in the Protocol for Performance Evaluation and Monitoring of the Common Hazardous waste treatment, storage and disposal facilities' published by the CPCB in May, 2010.
- vii. Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.
- viii. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.

- ix. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- x. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities

II. Air quality monitoring and preservation:

- i. The project proponent shall install 24×7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.
- iv. Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- vi. Appropriate Air Pollution Control (As proposed, air pollution control device viz. gas quencher; treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any); bag filter/ESP for removal of particulate matter; venturi scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapours in flue gas; and demister column for arresting water carry over will be provided to the incinerator) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vii. The periodical monitoring of Dioxins and Furans in the Stack emissions shall be carried out. Analysis of Dioxins and Furans shall be done through CSIR-National Institute for Interdisciplinary

- Science and Technology (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory
- viii. Gas generated in the Land fill should be properly collected, monitored and flared
- ix. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 02 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 02 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

III. Water quality monitoring and preservation:

- i. The project proponent shall install continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board/CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.
- iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. No discharge in nearby river(s)/pond(s).
- v. The depth of the land fill site shall be decided based on the ground water table at the site.
- vi. The Company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.
- vii. All leachates arising from premises should be collected and treated in the ETP followed by RO. RO rejects shall be evaporated in MEE. Toxicity Characteristic Leaching Procedure (TCLP) test to be performed on leachates.
- viii. The Company shall review the unit operations provided for the treatment of effluents, specially the sequencing of MEE after

tertiary treatment, the source of permeate when no R.O. is recommended and the treatment of MEE condensate. The scheme for treatment of effluents shall be as permitted by the Pollution Control Board/Committee under the provisions of consent to establish.

- ix. Scrubber water, leachate water or wheel wash effluent shall be treated in the effluent treatment plant followed by RO to achieve zero liquid discharge.
- x. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- xi. Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.
- xii. A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.
- xiii. Rain water runoff from hazardous waste storage area shall be collected and treated in the effluent treatment plant.

IV. Noise monitoring and prevention:

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures:

- i. Energy conservation measures like installation of LED/CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

VI. Waste management:

- i. The TSDF should only handle the waste generated from the member units.
- ii. Periodical soil monitoring to check the contamination in and around the site shall be carried out.
- iii. No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016, shall be handled in the premises.

- iv. The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.
- v. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
- vi. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- vii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.

VII. Green Belt:

- i. Green belt shall be developed in an area as provided in project details, with native tree species in accordance with Forest Department. The greenbelt shall inter alia cover the entire periphery of the project site.
- ii. Top soil shall be separately stored and used in the development of green belt.

VIII. Public hearing and Human health issues:

- i. Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized and no public space should be utilized.
- ii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis.

IX. Miscellaneous:

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats

- and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 - iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 - v. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements /deviation/violation of the environmental/forest/wildlife norms /conditions and/or shareholder's/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 - vi. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
 - vii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
 - viii. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
 - ix. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 - x. The criteria pollutant levels namely; PM_{2.5}, PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
 - xi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the

- project by the concerned authorities, commencing the land development work and start of production operation by the project.
- xii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - xiii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 - xiv. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 - xv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 - xvi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 - xvii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 - xviii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
 - xix. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts/NGT and any other Court of Law relating to the subject matter.
 - xx. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010

7. The Environmental Clearance is being granted to M/s Shivalik Solid Waste Management Ltd, for Proposed Capacity enhancement of Secured Landfill Facility (SLF) from 10 to 20 lacs MT at Common Hazardous Waste Treatment, Storage and Disposal Facilities (TSDF) at Survey No. 1244/1, 1437/1, 1430/1 & 1510/1, Village Majra, P.O. Dabhota, Tehsil Nalagarh, Solan District, Himachal Pradesh.

8. This issues with the approval of the Competent Authority.



(Dr. Dharmendra Kumar Gupta)
Director (S)

Copy to:

1. Principal Secretary, Department of Environment, Science and Technology, Paryavaran Bhawan, Near US Club, Shimla Himachal Pradesh-171001.
2. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Shimla 1st & 2nd Floor, C.G.O. Complex, Longwood, Shimla - 171001.
3. Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
4. Member Secretary, H.P. State Pollution Control Board, Head office, Him Parivesh, Phase-III, New Shimla-171009, H.P.,
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
6. Guard File/ Record File/ Notice Board/ MoEF&CC website.

(Dr. Dharmendra Kumar Gupta)
Director (S)

Signature Not Verified

Digitally signed by Dharmendra
Gupta
Scientist F

Date: 3/25/2022 11:54:28 AM

**H. P. State Pollution Control Board,
"Paryavaran Bhawan" Phase-III,
New Shimla- 171009.**

Water/Air Acts
Dated:

No. PCB (1141) Shiwalik Solid Waste /2007

From: Member Secretary

To The Director of Industries,
Himachal Pradesh, Udyog Bhawan,
SHIMLA-171 001.

Subject: Project for setting up a facility for Collection and Storage of Hazardous Wastes at Village Majra, P.O. Dabhota, Tehsil Nalagarh, Distt. Solan H.P.

Sir,

M/s Shiwalik Solid Waste Management Limited; Village Majra, P.O. Dabhota, Tehsil Nalagarh, Distt. Solan H.P. has approached to this Board under Water Act, 1974 and Air Act, 1981 for issuing No Objection Certificate/ Consent to establish in their favour for the facility for Collection and Storage of Hazardous Wastes at Village Majra, P.O. Dabhota, Tehsil Nalagarh, Distt. Solan H.P. under Water Act, 1974 and Air Act, 1981. Authorization under the Hazardous Wastes (Management and Handling) Rules, 1989 amended in 2003 has been granted for this facility by the State Board vide letter No.PCB/Shivalik Solid Waste Management Ltd./07-21736-48 dated 03-01-2008. The case has been examined and the State Board also grants Consent to Establish for setting up of the above Unit subject to the following conditions:

1. The No Objection Certificate/ consent to establish is valid for a period of one year from the date of its issue or till the commissioning of the industry whichever is earlier.
2. This Consent to Establish is only for the purpose and under the provisions of the Water(Prevention and Control of Pollution) Act, 1974 and Air(Prevention and Control of Pollution) Act, 1981 as the case may be, and will not construed as substitute for mandatory clearances required for the project under any other law/regulation/direction/order and the applicant shall obtain any such mandatory clearances before taking any steps to establish industry/industrial plant, operation or process or any treatment and disposal system or an extension or addition thereto.
3. This consent to establish is issued for:
 - (i) Noise/Emissions from DG set conforming to limits prescribed in Sr. No. 94 & 95 of Schedule-I of Environment (Protection) Rules, 1986;
 - (ii) Noise & Ambient Air Quality to be maintained within Ambient Air Quality Standards for noise as specified in Schedule-III of aforesaid Rules and Noise Pollution (Regulation and Control) Rules, 2000 as well as those prescribed CPCB.
 - (iii) Total maximum leachate and washings effluent @ 20 m³ / day shall be evaporated in multiple effect evaporator(MEE) of 20 m³/day capacity as proposed. As such there shall no waste water from leachate and washings from the operational areas of the facility.
 - (iv) The unit shall provide the garland drain for storm water so that it may not mix with leachate and also to prevent storm water entering in to operational areas of the facility.
4. The Unit shall provide adequate arrangement for fighting the accidental leakage's/ discharge of any air pollutant/ gas/ liquids from the vessel, mechanical equipment's etc. which are likely to cause environmental pollution.
5. The Unit shall comply with any other conditions laid down or direction issued by the Board under the provision of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 from time to time.



Contd. Page 2/-

6. Nothing in this No Objection Certificate shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities or penalties to which the applicant is or may be subject under the provisions of the Water/ Air Acts.
7. The Unit shall grow suitable varieties of plants in the premises to maintain greenery.
8. The Unit shall construct a pucca storage tank of sufficient capacity to hold back the effluent in case of failure of Effluent Treatment Plant/ re-circulation system and also for no demand period.
9. The Unit shall ensure that the storm water or any other water from non-operational areas discharged by it is toxicity free.
10. The Unit shall provide terminal manhole at the end of each collection system and a manhole upstream of final outlet(s) out of the premises of the industry for measurement of flow and for taking samples.
11. The Unit shall for the purpose of measuring and recording of quantity of water consumed affix meters of appropriate standards.
12. All under ground water retaining structures shall be lined with an impervious layer so as to avoid seepage and contamination of sub soil/ water.
13. The Unit shall install Air Pollution Control devices so as to contain all the suspended particulate matter and gaseous emissions.
14. The Unit shall regularly monitor the ground water around the area on at least four locations on the periphery of the facility and submit the baseline information of these observatory wells to the State Board before operating the facility.
15. Unit shall provide separate energy meter for pollution control devices.
16. The Unit shall not discharge any fugitive emissions/ odour/gaseous.
17. The Unit shall ensure that the emission from each stack shall conform to the emission standards laid down from time to time under Environment (Protection) Rules, 1986.
18. The Unit shall obtain consent to operate from this Board and install anti- pollution devices for prevention control and abatement of Water/ Air Pollution before operation of facility.
19. The Unit shall make provisions for rain harvesting from the rooftops and built up areas before come in to production.
20. Unit shall comply ~~the~~ with the conditions as already imposed in the letter No. 21736-48 dated 03-01-2008.
21. Unit shall install effluent treatment plant in future when need as per undertaking given by the unit vide letter No. nil dated 26-05-2008.
22. The State Board reserves the right to revoke/review and alters the conditions of consent to establish as the case may be.
23. Unit shall provide acoustic enclosure over the DG set as per norms before come into production.
24. This consent to establish is subject to the ratification by the State Board.

Yours faithfully,

Member Secretary

Endst.No. PCB(1141) Shivalik Solid Waste Management /07-

3959-64

Dated: 27.5.2008

Copy forwarded to the following for information and necessary action:

1. M/s Shivalik Solid Waste Management Limited; Plot No. 36, Industrial Area Baddi, Tehsil Nalagarh, Distt. Solan H.P.
2. The General Manager, District Industries Center Solan, Distt. Solan (HP)
3. The Env. Engineer, H.P. State Pollution Control Board Baddi, Distt. Solan H.P.
4. Pr. Scientific Officer, HP PCB, Shimla.
5. Case file.

Member Secretary



H.P.STATE POLLUTION CONTROL BOARD

HIM PARIVESH, PHASE-III, NEW SHIMLA-171009.

Website:- <http://hppcb.nic.in>

HPSPCB No : 1141

Date: 27/07/2019

Industry Registration ID: 11035

Application No : 393138

To,
Shivalik solid waste management limited
Vill majra po dabhota tehsil nalagarh distt solan (h.p)
Solan
Solan baddi
174101

Subject: **Renewal of 'Consent to Operate' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.**

With reference to your application for obtaining Renewal of 'Consent to Operate' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to operate an industrial unit subject to the Terms and Conditions as mentioned in this Consent letter.

1.Particulars of Consent to Operate under Water Act, 1974 and Air Act, 1981 granted to the industry

Consent No.	CTO/BOTH/RENEW/RO/2019/393138
Consent valid from:	01/04/2019
Consent valid upto:	31/03/2024
Certificate Type :	RENEW
Previous CTO No. & Validity :	

2. Particulars of the Industry

Name & Designation of the Applicant	SHRI ASHOK PANJWANI, (MANAGING DIRECTOR)
Address of Industrial premises	Shivalik solid waste management limited, Vill majra po dabhota tehsil nalagarh distt solan (h.p), Solan ,Solan baddi-174101
Category of Industry	Red
Type of Industry	1072-Common treatment and disposal facilities-TSDF
Scale of the Industry	Large
Office District	Solan baddi
Capacity	
Products (Name with quantity per day)	

"This is computer generated document from OCMMS by HPSPCB"

Shivalik solid waste management limited, Vill majra po dabhota tehsil nalagarh distt solan (h.p), Solan ,Solan baddi, 174101

Page 1

Name of Products	Unit	Quantity	Intermediate Product	Principal Use
TSDF site (No product manufacturing)	M.T./Year	50000	NO	Disposal in Secured Landfill

Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.

Type	No.of Boiler/'Heater/ Evaporator/Incinerator/DG Set/Other	Capacity	Type of Boiler/'Heaters /Evaporators/Incinerator/DG Sets/Others	Type of Fuel	Fuel consumption rate in MT/hour or KL/hour or M3 /hour
Boilers	1	750 kg/hr	Fire tube Boiler	Furnace Oil	20-25 liter/hr
DG Sets	1	100 KVA	Silent Type closed body DG Set	Diesel	8-20 liter/hr

Type of Air Pollution Control Devices installed

Equipment Type	Equipment Name	Date/proposed date of installation	Efficiency(%reduction)	Final concentration of pollution being emitted
Wet Scrubber	Boilers	Tue Jan 01 00:05:00 IST 2013	75 %	Particulate Matter at 12 % CO2=30 mg/Nm3
Wet Scrubber	Boilers	Tue Jan 01 00:05:00 IST 2013	71 %	NO2 = 6 mg/Nm3
Wet Scrubber	Boilers	Tue Jan 01 00:05:00 IST 2013	72 %	CO = 48 mg/Nm3

Aditya Negi, IAS
Member Secretary
For & on behalf of
(H. P. State Pollution Control Board)

Endst. No.:

Copy To:-

1.The Regional Officer, H.P.State pollution Control Board Baddi, Distt. Solan H.P for information and necessary action please.

Aditya Negi, IAS
Member Secretary
For & on behalf of
(H. P. State Pollution Control Board)

TERMS AND CONDITIONS

A. SPECIFIC CONDITIONS

1. This 'Renewal of Consent to Operate' is only for the purpose and under the provision of Water Act, 1974 and Air Act, 1981 as the case may be, and will not construed as substitute for mandatory clearances required for the project under any other law/regulation/direction/order and the applicant shall obtain any such mandatory clearance before taking any steps to establish industry/ industrial plant, operation or process or any treatment and disposal system or an extension or addition thereto.
2. Nothing in this Consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.
3. The unit shall apply for further renewal/extension in the validity of the Consent, before the expiry of this 'Renewal of Consent to Operate'.
4.
 - i) The unit shall ensure compliance of Waste Management Rules i.e. Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016/ Plastic Waste Management Rules, 2016/ E-Waste (Management) Rules, 2016/Construction & Demolition Waste Management Rules, 2016 and Manufacture, Storage & Import of Hazardous Chemical Rules, 1989 and provisions made thereunder, as amended from time to time, without any adverse effect on the environment, in any manner (As Applicable).
 - ii) The unit shall made provisions for the compliance Solid Waste Management Rules, 2016 and provisions made thereunder and unit shall also not practice burning activity of solid waste/waste generated from fuel within/outside premises, to avoid public nuisance.
5. This 'Renewal of Consent to Operate' is for:-
 - i) The emissions from all sources conforming to the norms as prescribed in Schedule-I of Environment (Protection) Rules, 1986 as amended from time to time.
 - ii) Noise and Ambient Air Quality shall be maintained within Ambient Air Quality Standards for noise as specified in Schedule-III of Environment (Protection) Rules, 1986 and Noise Pollution (Regulation and Control) Rules, 2000, as amended from time to time.
 - iii) The effluent (Domestic/Industrial) shall conform to the limits as prescribed in Schedule-I or Schedule-VI or Industry specific standards of Environment (Protection) Rules, 1986 as amended from time to time.
 - iv) Sewage and sullage generated from the unit to be disposed-off in a properly designed septic tank system/Sewage Treatment Plant/ Public Sewer System (as applicable).
6. The unit shall ensure regular operation and maintenance of Pollution Control Devices to achieve the norms as prescribed in Environment (Protection) Act, 1986 and the achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/re- circulation system installed shall be the entire responsibility of the unit.
7. The unit shall ensure regular operation and maintenance of separate energy meter/flow meter for running pollution control devices and shall also maintain record with respect to operation of air pollution control device/effluent treatment plant, so as to the satisfy the Board regarding the regular operation of air pollution control device/effluent treatment plant and shall maintain log book for the monthly reading / record.
8. **CONDITIONS UNDER WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974.**
 - a) The unit shall maintain the record regarding the daily water consumption as per flow meter installed.
 - b) The unit shall ensure that terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.

- c) The pollution control devices shall be interlocked with the manufacturing process of the industry (if applicable) and the authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board. Unit shall not use any unauthorized outlet(s) for discharging effluents from its premises.
- d) Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed-off in scientific manner.

9. CONDITIONS UNDER AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981.

- a) The unit shall ensure port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets as per the specifications.
 - b) The unit shall discharge air emissions through a stack of minimum height as specified in 'Consent to Establish' and shall follow standards laid down from time to time.
 - c) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation & as per specification.
 - d) Unit shall ensure Stack height for diesel generating sets as per specification.
 - e) The unit shall ensure regular operation and maintenance of installed canopy and stack of the D.G sets so as to control the noise & air pollution in order to comply with the provision of notification No GSR-371 E dated 17-5-2002 or direction as issued by MOEF from time to time, under Environment (Protection) Act, 1986.
 - f) The unit shall ensure disposal of boiler ash/fuel ash through authorized person or within premises in a scientific manner (as the case may be) and shall maintain proper record for the same, if applicable.
 - g) The unit shall ensure regular operation and maintenance of air pollution control arrangements for control emission from its coal/fuel handling area and from handling, transportation and processing of raw material & product of the industry.
10. The unit shall ensure valid and approved on-site and off-site emergency plan, approved by the Chief Inspector of Factories, Himachal Pradesh (If applicable).
 11. The unit shall ensure regular operation and maintenance of real time online monitoring equipment's and provisions for the un-interrupted transfer of data as per guidelines of CPCB (if applicable).
 12. The unit shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipment's etc. which are likely to cause environmental pollution.
 13. The unit shall plant & maintain minimum three layer of trees so far possible as per plantation guide (may be download from the website <http://hppcb.nic.in/plantationguide.pdf>) all along the boundary of the industrial premises and check air/water/noise pollution at source.
 14. Any guidelines issued by the Central Government/State Government/MoEF/CPCB/SPCB/any other authority concerned, shall be binding.
 15. This 'Renewal of Consent to Operate' is subject to orders on any litigation pending in any Court of Law. Any direction/order issued by any court shall be binding (if any).
 16. The Board reserves the right to revoke the 'Renewal of Consent to Operate' granted to the industry at any time, in case the industry is found violating the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
 17. The unit shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.

B. OTHER CONDITIONS

1. The unit shall comply with the conditions imposed by the MoEF/State Level Environment Impact Assessment Authority/ District Level Environment Impact Assessment Authority in the environmental clearance granted to it as required under EIA notification dated 14-9-06, if applicable.

2. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
3. Stone Crusher units shall comply with the provisions of guidelines notified by the State Government vide Notification No. STE-E(3)-11/2012, dated 29-05-2014 (If Applicable).
4. Brick Kiln units shall comply with the provisions of guidelines notified by the MoEF vide Notification No. G.S.R.233.(E), dated-15-03-2018 and by the State Government vide Notification No. STE-E(5)-6/2013, dated-07-03-2014 (If Applicable).
5. Hydroelectric Projects shall install Online Real Time Monitoring System for the measurement of 15% of minimum discharge in lean season as per orders of Court/Government. The unit shall also ensure provisions for the regular and uninterrupted transfer of data from the real time online monitoring system for 15% of minimum discharge of flow to SPCB, failing which unit shall be liable for action on account of violation of the directions issued by Court/Government/SPCB in this regard (If Applicable).
6. Unit shall strictly adhere to the capacity approved by the Industries Department/ Department of Tourism & Civil Aviation/any other concerned Authority (As Applicable).
7. The unit shall not cause any nuisance/traffic hazard in vicinity of the area.
8. The unit shall ensure that there will not be significant visible dust emissions beyond the property line.
9. The unit shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
10. Unit shall submit all the annual/quarterly returns, as per timeline.
11. The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
12. The unit shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.
13. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.

C. SPECIAL CONDITIONS

- 1.The Unit has installed acoustically enclosed D.G. Set of capacity 100 KVA as reported by the RO shall confirm to the norms prescribed under EPA 1986 and rules their under.
- 2.The unit has installed multi effect evaporator of capacity 20 KLD as reported by the RO.
- 3.The unit has provided F.O. fired boiler of capacity 750 kg/hr. a/w with wet scrubber as reported by the RO shall confirm to the norms prescribed under EPA 1986 and rules their under.
- 4.The unit shall made provision for rain water harvesting from the roof tops and built up areas.

Aditya Negi, IAS
Member Secretary
For & on behalf of
(H. P. State Pollution Control Board)



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015
Phone : 0172-4669295
Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055
Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/26a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY:	M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD., VILL.-MAJRA, P.O.- DABHOTA,TEH.- NALAGARH, DISTT.- SOLAN (H.P.).
-------------------	---

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tube well Near Time Office (Inside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/ 2023/06/26(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.58	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	446	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	1.8	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	268	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	1.8	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	200	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	56.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	14.4	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	240	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	17.4	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	6.63	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}),mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	ND (DL-1.0)	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	0.14	1.0	1.5	IS:3025 (P-60): 2008



CHANDIGARH POLLUTION TESTING LABORATORY

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Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in


TC-6728

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/ 2023/06/26(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	ND (DL-5.0)	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
DL- Detection Limit


(Chemist In-Charge)
Date: 29/06/23


Sital Singh (CEO)
(Authorized Signatory)
Date: 29/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

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E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/26b(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY:	M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD., VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH, DISTT.- SOLAN (H.P.).
-------------------	--

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tube well Near Time Office (Inside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/ 2023/06/26(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

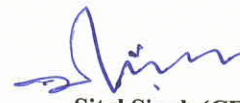
TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MB mg/l)	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected

DL-Detection Limit


(Chemist In-Charge)
Date: 29/06/2023


Sital Singh (CEO)
Date: 29/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT

Page 1 of 1

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY THE LABORATORIES RECOGNIZED BY THE BOARD

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/S. S.S.W.M. Ltd, Uda-magra, P.O. Dabhot
Teh- Nalagarh, Dist- Solan (H.P.)

Name of representative of the Industry present at the time of Sampling with designation: Mrs. Suman Bata

GENERAL INFORMATION

Product & by Product : Waste management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 12:15 pm.

Point of Sample collection : Tubewell Near Puro office (Beside Premises Downstream)

Type & Nature of sample collected : Ground water (Open)

Quantity/ Packing of Sample : 20 Ltr in Plastic Bottle + 10 Ltr in Glass Bottle

Sample temperature of °C : 24.1


Parameter to be analyzed : All per IS 10500:2012 (PH, EC, Turbidity, TDS, TSS, T_h, Ca, Mg, Alkal, Cl, SO₄, Fe, Hexa Cr, Zn, NO₃, Cu, F, M, Pb, Cd, Ni, B, Co, Ar, Phenols, BOD, COD, DBP, Cr, MBA, S, Ba, As, Hg.

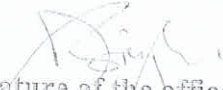
Sample preserved for (Tick- ✓)

i) Organic parameter (✓), ii) Metals (✓), iii) Cyanide (✓)

iv) Oil & grease (✓), v) Phenols (✓), vi) Any other (✓)

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015

Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/27a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tubewell Near Landfill-PAPA Vatika (Inside Premises- Upstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/27(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.69	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	560	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	2.6	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	366	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	4.7	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	250	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	58.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	25.2	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	350	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	25.0	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	5.7	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}),mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	ND (DL-1.0)	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	0.22	1.0	1.5	IS:3025 (P-60): 2008



CHANDIGARH POLLUTION TESTING LABORATORY

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Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in


Website : www.cptl.co.in

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/2023/06/27(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	12.0	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
DL- Detection Limit


(Chemist In-Charge)
Date: 29/06/23


Sital Singh (CEO)
(Authorized Signatory)
Date: 29/06/23

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END OF REPORT



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant

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Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

Format No. CPTLF7.8-I(W)

REPORT No. CPTL/H.P/2023/06/27b(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tubewell Near Landfill-PAPA Vatika (Inside Premises- Upstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/27(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit

(Chemist In-Charge)
Date: 29/06/2023

Sital Singh (CEO)
Date: 29/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY THE LABORATORIES RECOGNIZED BY THE BOARD

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/S S.S.W.M Ltd, Uru-Majra, P.O. Dabhota,
Teh-Nalagarh, Distt-Solan (H.P)

Name of representative of the Industry present at the time of Sampling with designation. : Mrs. Suman Lata

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NO

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 12:40 pm.

Point of Sample collection : Rubenall Near Landfill - Papa Vathka (Inside Premises - upstream)

Type & Nature of sample collected : Ground water (GWA)

Quantity/ Packing of Sample : 2.0 Ltr in Plastic Bottle + 1.0 Ltr in Glass Bottle


Sample temperature of °C : 23.6


Parameter to be analyzed : pH, SS, Turbidity, TDS, TSS, Fe, Mn, Pb, Cu, Ni, B, Cd, Cr, Phenols, BOD, COD, DO, Al, Hg.

Sample preserved for (Tick-)

i) Organic parameter (<input checked="" type="checkbox"/>),	ii) Metals (<input checked="" type="checkbox"/>),	iii) Cyanide (<input checked="" type="checkbox"/>),
iv) Oil & grease (<input checked="" type="checkbox"/>),	v) Phenols (<input checked="" type="checkbox"/>),	vi) Any other (<input checked="" type="checkbox"/>).

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant



TC-6728

H.O. : #372, Sector 15-A, Chandigarh-160 015

Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/28a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Borewell Behind Laboratory- Near Nursery (Inside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/28(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.23	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	563	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	BDL (DL=0.5)	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	338	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	125	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	34.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	18.0	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	270	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	29.9	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	26.0	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}),mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	ND (DL-1.0)	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	0.19	1.0	1.5	IS:3025 (P-60): 2008



CHANDIGARH POLLUTION TESTING LABORATORY

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Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in


Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/2023/06/28(W)

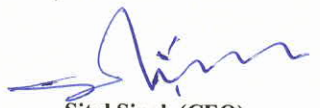
S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	ND (DL-5.0)	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected

BDL-Below Detection Limit

DL- Detection Limit


(Chemist In-Charge)
Date: 29/06/2023


Sital Singh (CEO)
(Authorized Signatory)
Date: 29/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT

Page 2 of 2



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant

H.O. : #372, Sector 15-A, Chandigarh-160 015
Phone : 0172-4669295
Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055
Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/28b(W)

Format No. CPTLF7.8-I(W)
REPORTING DATE:29.06.2023

NAME OF INDUSTRY:	M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD., VILL.-MAJRA, P.O.- DABHOTA,TEH.- NALAGARH, DISTT.- SOLAN (H.P.).
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SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Borewell Behind Laboratory- Near Nursery (Inside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/28(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit

(Chemist in Charge)
Date: 29/06/23

Sital Singh (CEO)
Date: 29/06/23

- The results are related to test items only.
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- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT

FORMAT NO. - CPTL F 7.3-IV (a)

**DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY
THE LABORATORIES RECOGNIZED BY THE BOARD**

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/S S.S.W.M. Ltd, Vill - Magra, P.O. Dabhot
Teh - Nalagarh, Distt - Solan (H.P)

Name of representative of the Industry present:
at the time of Sampling with designation. Mrs. Suman Bata

GENERAL INFORMATION

Product & by Product : Waste management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 12:34 am

Point of Sample collection : Borewell Behind Laboratory - Near Nursery
(Chute Pressure Downstream)

Type & Nature of sample collected : Ground water (GWS)

Quantity/ Packing of Sample : 20 Ltr in Plastic Bottle + 10 Ltr in glass

Sample temperature of °C : 23.7


Parameter to be analyzed : pH, SC, Turbidity, TDS, TSS, TSS, Ca, Mg, TAlk, Cl, SO₄, Fe,
Mn, Cu, Zn, NO₃, Cr, F, Ni, Pb, Cd, As,
Phenols, BOD, COD, DBO, O₂, MBAL, Mineral oil, S,
Ba, Al, U₉


Sample preserved for (Tick-)

i) Organic parameter (), ii) Metals (), iii) Cyanide (),

iv) Oil & grease (), v) Phenols (), vi) Any other ().

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015

Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/29a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY:	M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD., VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH, DISTT.- SOLAN (H.P.).
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SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tubewell Behind Temple (Inside Premises- Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/29(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.45	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	868	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	1.4	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	550	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	2.2	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	250	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	72.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	45.6	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	375	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	52.5	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	33.1	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}), mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	3.1	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	0.22	1.0	1.5	IS:3025 (P-60): 2008



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Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312


E-mail : cptle126@gmail.com ; lab@cptl.co.in


Website : www.cptl.co.in

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/2023/06/29(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	ND (DL-5.0)	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
DL- Detection Limit


(Chemist In-Charge)
Date: 29/06/2023


Sital Singh (CEO)
(Authorized Signatory)
Date: 29/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant

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Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/29b(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE: 29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tubewell Behind Temple (Inside Premises- Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/29(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit

(Chemist In-Charge)
Date: 29/06/2023

Sital Singh (CEO)
Date: 29/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

FORMAT NO. - CPTL F 7.3-IV (a)

**DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY
THE LABORATORIES RECOGNIZED BY THE BOARD**

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/S Shivaik Solid Waste management Ltd,
Vill - Nagra, P.O. Dabhota, Teh - Nalagarh,
Dist. - Solan (H.P.)

Name of representative of the Industry present:
at the time of Sampling with designation. : Mrs. Suman Lata

GENERAL INFORMATION

Product & by Product : Waste management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 11:20 am.

Point of Sample collection : Tubewell Behind Temple Charit Premises - Downtown

Type & Nature of sample collected : Ground water (Grab)

Quantity/ Packing of Sample : 20 Ltr in Plastic + 10 Ltr in Glass.

Sample temperature of °C : 23-2

Parameter to be analyzed : pH, SC, Turbidity, TDS, TSS, TH, Ca, Mg, Fe, Mn, Cu, Zn, Ni, Pb, Cd, As, Cr, Se, Hg, Co, Ni, Mn, Fe, Pb, Cu, Zn, Ni, B, Cl, SO₄, Phenols, BOD, COD, O₂G, O₂, MBAS, Free Oil, S, B, Al, Hg

Sample preserved for (Tick- ✓)

i) Organic parameter (✓)	ii) Metals (✓)	iii) Cyanide (✓)
iv) Oil & grease (✓)	v) Phenols (✓)	vi) Any other (✓)

Remarks:

Suman Lata
Signature of the Occupier/
Representative of the industry
with designation and seal

[Signature]
Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

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Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/30a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE: 29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tube well Behind Landfill Site (Inside Premises-Upstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/30(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.62	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	517	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	2.4	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	346	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	2.2	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	240	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	54.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	36.0	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	280	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	19.9	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	8.2	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}), mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	1.8	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	0.21	1.0	1.5	IS:3025 (P-60): 2008



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Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/2023/06/30(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	ND (DL-5.0)	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
DL- Detection Limit

[Signature]
(Chemist In-Charge)
Date: 29/6/23

[Signature]
Sital Singh (CEO)
(Authorized Signatory)
Date: 29/06/2023

- The results are related to test items only.
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- Sample will be destroyed after retention time unless otherwise specified.



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Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

Format No. CPTLF7.8-I(W)

REPORT No. CPTL/H.P/2023/06/30b(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).


SAMPLE PARTICULARS

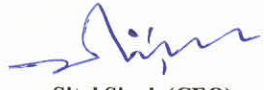
Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tube well Behind Landfill Site (Inside Premises-Upstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/30(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit


(Chemist In-Charge)
Date: 29/06/2023


Sital Singh (CEO)
Date: 29/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

FORMAT NO. - CPTL F 7.3-IV (a)

**DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY
THE LABORATORIES RECOGNIZED BY THE BOARD**

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/s S.S.W.M Ltd, Vill - Magra, Post Dabhote
Teh - Nalagarh, Distt - Solan (H.P)

Name of representative of the Industry present: Mrs. Suman Lata
at the time of Sampling with designation.

GENERAL INFORMATION

Product & by Product : Waste management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 11:35 am.

Point of Sample collection : Tube well Behind Landfill Site (Inside Perimeter - Gpsta)

Type & Nature of sample collected : Ground water (Aqub)

Quantity/ Packing of Sample : 20 Ltr in Plastic + 4-0 Ltr in Glass.

Sample temperature of °C : 23.6


Parameter to be analyzed : PH, SC, Turbidity, TDS, TSS, TH, Ca, Mg, P, Alk, Cl, SO₄, Fe, HCO₃, Zn, NO₃, Cr, F, Mn, Pb, Cu, Ni, B, Cd, As, Phenol, BOD, COD, DO, Cr, MBO, Amel oil, S, Ba, Al, Hg


Sample preserved for (Tick- ✓)

i) Organic parameter (✓), ii) Metals (✓), iii) Cyanide (✓)

iv) Oil & grease (✓), v) Phenols (✓), vi) Any other (✓)

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

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Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/31a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE: 29.06.2023

NAME OF INDUSTRY:

M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tubewell at House of Sh. Balwinder-Majra (Outside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/31(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.70	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	549	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	BDL (DL=0.5)	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	366	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	145	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	40.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	22.8	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	275	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	24.9	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	38.5	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}), mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	ND (DL-1.0)	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	0.18	1.0	1.5	IS:3025 (P-60): 2008



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Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in


TC-6728

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/2023/06/31(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	ND (DL-5.0)	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
BDL-Below Detection Limit
DL- Detection Limit


(Chemist In-Charge)
Date: 29/06/23


Sital Singh (CEO)
(Authorized Signatory)
Date: 29/06/23

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT



CHANDIGARH POLLUTION TESTING LABORATORY

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E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in

TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/31b(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY:	M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD., VILL.-MAJRA, P.O.- DABHOTA,TEH.- NALAGARH, DISTT.- SOLAN (H.P.).
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SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tubewell at House of Sh. Balwinder-Majra (Outside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/31(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit

(Chemist In-Charge)
Date: 29/06/2023

Sital Singh (CEO)
Date: 29/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY THE LABORATORIES RECOGNIZED BY THE BOARD

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/s Shivalik Solid Waste Management Ltd,
Vill- Magra, P.O- Dabhota, Teh- Nalagarh, Distt
-Solon (H.P)

Name of representative of the Industry present: at the time of Sampling with designation. Mrs. Suman Pata

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 01:10 pm.

Point of Sample collection : Tubewell at House of Sh. Bahwinder - Magra
(Outside Premises - Down stream)

Type & Nature of sample collected : Ground water (GWS)

Quantity/ Packing of Sample : 2-0 Ltr in Plastic + 1-0 Ltr in Glass

Sample temperature of °C : 23-4

Parameter to be analyzed

PH, SC, Turbidity, TDS, TSS, Zn, Cu, Mg, Fe, Al, Cd, Pb, Ni, Cr, Mn, Hg, As, Se, Br, I, S, Cl, F, NO₂, NO₃, NH₄, CO₂, HCO₃, SO₄, SO₂, SO₃, H₂S, H₂O₂, O₂, O₃, O₄, O₅, O₆, O₇, O₈, O₉, O₁₀, O₁₁, O₁₂, O₁₃, O₁₄, O₁₅, O₁₆, O₁₇, O₁₈, O₁₉, O₂₀, O₂₁, O₂₂, O₂₃, O₂₄, O₂₅, O₂₆, O₂₇, O₂₈, O₂₉, O₃₀, O₃₁, O₃₂, O₃₃, O₃₄, O₃₅, O₃₆, O₃₇, O₃₈, O₃₉, O₄₀, O₄₁, O₄₂, O₄₃, O₄₄, O₄₅, O₄₆, O₄₇, O₄₈, O₄₉, O₅₀, O₅₁, O₅₂, O₅₃, O₅₄, O₅₅, O₅₆, O₅₇, O₅₈, O₅₉, O₆₀, O₆₁, O₆₂, O₆₃, O₆₄, O₆₅, O₆₆, O₆₇, O₆₈, O₆₉, O₇₀, O₇₁, O₇₂, O₇₃, O₇₄, O₇₅, O₇₆, O₇₇, O₇₈, O₇₉, O₈₀, O₈₁, O₈₂, O₈₃, O₈₄, O₈₅, O₈₆, O₈₇, O₈₈, O₈₉, O₉₀, O₉₁, O₉₂, O₉₃, O₉₄, O₉₅, O₉₆, O₉₇, O₉₈, O₉₉, O₁₀₀

Sample preserved for (Tick- v)

- i) Organic parameter (/), ii) Metals (/), iii) Cyanide (v)
- iv) Oil & grease (/), v) Phenols (/), vi) Any other (/)

Remarks:

Suman Pata
Signature of the Occupier/
Representative of the industry
with designation and seal

[Signature]
Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

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E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/32a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE: 29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Supply Water IPH (Outsides Premises)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/32(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	8.04	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	692	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	BDL (DL=0.5)	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	445	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	125	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	32.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	12.0	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	290	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	54.9	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	46.3	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}), mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	1.4	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	ND (DL-0.1)	1.0	1.5	IS:3025 (P-60): 2008



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Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in

TC-6728

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	26.03.2023
Sample Identification no.	CPTL/(H.P)/2023/06/32(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	ND (DL-5.0)	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
BDL-Below Detection Limit
DL- Detection Limit

[Signature]
(Chemist In-Charge)
Date: 29/06/23

[Signature]
Sital Singh (CEO)
(Authorized Signatory)
Date: 29/06/23

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT



CHANDIGARH POLLUTION TESTING LABORATORY

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E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in

TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/32b(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Supply Water IPH (Outsides Premises)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/32(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit

(Chemist In-Charge)
Date: 29/06/23

Sital Singh (CEO)
Date: 29/06/2023

- The results are related to test items only.
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- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT

Page 1 of 1

FORMAT NO. - CPTL F 7.3-IV (a)

**DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY
THE LABORATORIES RECOGNIZED BY THE BOARD**

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/s S.S.W.M Ltd, Vill- magra, P.O. Dabhota,
Teh- Natyagach, Distt- Solan (H.P)

Name of representative of the Industry present: Mrs. Suman Lata
at the time of Sampling with designation.

GENERAL INFORMATION

Product & by Product : Waste management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023. 02:15 pm.

Point of Sample collection : Supply water IPH (Outside Premises)

Type & Nature of sample collected : Ground water (Aras)

Quantity/ Packing of Sample : 20 Ltr in Plastic Bottle + 10 Ltr in Glass


Sample temperature of °C : 24.1


Parameter to be analyzed : pH, SC, turbidity, TDS, TSS, T_H, Cu₂ mg, TAP₁₂, Cl₂, SO₄,
Fe, Mn, Cr, Zn, Ni, Pb, Cu, Ni, B, Cd, As,
Phenols, BOD, COD, DO, Mineral oils, MBAS, Cr₆, S₂, Ba,
Al₃ mg.

Sample preserved for (Tick- ✓)

i) Organic parameter (✓)	ii) Metals (✓)	iii) Cyanide (✓)
iv) Oil & grease (✓)	v) Phenols (✓)	vi) Any other (✓)

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

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Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/33a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Hand Pump at House of Sh. Gurubaksh-Majra (Outside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/33(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.37	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	674	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	ND (DL=0.5)	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	444	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	270	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	72.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	21.6	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	370	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	42.4	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	20.4	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}),mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	ND (DL-1.0)	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	ND (DL-0.1)	1.0	1.5	IS:3025 (P-60): 2008



CHANDIGARH POLLUTION TESTING LABORATORY

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Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/2023/06/33(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	ND (DL-5.0)	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
DL- Detection Limit

(Chemist In-Charge)
Date: 29/6/23

Sital Singh (CEO)
(Authorized Signatory)
Date: 29/6/23

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- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant

H.O. : #372, Sector 15-A, Chandigarh-160 015

Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/33b(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE:29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Hand Pump at House of Sh. Gurubaksh-Majra (Outside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/33(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit

(Chemist In-Charge)
Date: 29/06/2023

Sital Singh (CEO)
Date: 29/06/2023

- The results are related to test items only.
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- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY THE LABORATORIES RECOGNIZED BY THE BOARD

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/s S.S.W.M, Ltd, Vtu - Magra, P.O. Dabhola,
Teh- Nalagarh, Distt- Solan (H.P)

Name of representative of the Industry present: Mrs. Suman Lata
at the time of Sampling with designation.

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 02:45 pm.

Point of Sample collection : Hand pump at house of Sh. Gurbaksh - Magra,
(Outside Premises - Downstream)

Type & Nature of sample collected : Ground water (Grab)

Quantity/ Packing of Sample : 2.0 Ltr in Plastic Bottle + 1.0 Ltr in Glass


Sample temperature of °C : 23-8.

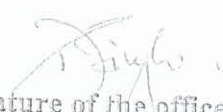
Parameter to be analyzed : pH, SC, Turbidity, TDS, TSS, TH, CO₂, mg, TA, Cl, SO₄,
Fe, Mn, Cr, Zn, Ni, NO₃, CN, F, Mo, Pb, Cu, Ni, B, Cd,
As, Phenols, BOD, COD, DB, Oil, Cr, MBAS, MUD, Oil,
S, Ba, Al, Hg

Sample preserved for (Tick- ✓)

i) Organic parameter (✓)	ii) Metals (✓)	iii) Cyanide (✓)
iv) Oil & grease (✓)	v) Phenols (✓)	vi) Any other (✓)

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

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Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/34a(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE: 29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tube well at house of Sh. Rana-Majra (Outside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/34(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.48	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	596	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	ND (DL=0.5)	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	387	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	ND (DL=1.0)	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	290	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	70.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	27.6	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	315	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	32.4	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	21.8	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}), mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	3.4	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	0.20	1.0	1.5	IS:3025 (P-60): 2008



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Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/2023/06/34(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	ND (DL-5.0)	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
DL- Detection Limit


(Chemist In-Charge)
Date: 29/6/23


Sital Singh (CEO)
(Authorized Signatory)
Date: 29/06/2023

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END OF REPORT



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant

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E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/34b(W)

Format No. CPTLF7.8-1(W)

REPORTING DATE: 29.06.2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH,
DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-1
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Tube well at house of Sh. Rana-Majra (Outside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/34(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Clear & Colorless liquid

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit

[Signature]
(Chemist in-Charge)
Date: 29/06/23

[Signature]
Sital Singh (CEO)
Date: 29/06/2023

- The results are related to test items only.
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- Sample will be destroyed after retention time unless otherwise specified.

FORMAT NO. - CPTL F 7.3-IV (a)

**DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY
THE LABORATORIES RECOGNIZED BY THE BOARD**

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/s Shivalik Solid Waste Management Ltd,
Village - Magra, P.O. Dabhota, Teh - Nalagarh,
Distt - Solan (H.P)

Name of representative of the Industry present:
at the time of Sampling with designation. Mrs. Suman Lata

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 03:16 pm

Point of Sample collection : Tubewell at Home of Sh. Rana - Magra (outside
Premises - Downstream)

Type & Nature of sample collected : Ground water (Aerob)

Quantity/ Packing of Sample : 2.0 Ltr in Plastic Bottle + 1.0 Ltr in Glass Bottle.

Sample temperature of °C : 24.1

Parameter to be analyzed : pH, EC, Turbidity, TDS, TSS, TH, Ca, Mg, / Alk, Cl, SO₄, Fe,
Mn, Cr, Zn, NO₃, Cu, B, Mn, Pb, Cd, Ni, B, As, Phenol,
BOD, COD, O₃ Cr, ORP, MBAS, Mineral Oil, S, Ba, Al, Hg

Sample preserved for (Tick-✓)

i) Organic parameter (<input checked="" type="checkbox"/>)	ii) Metals (<input checked="" type="checkbox"/>)	iii) Cyanide (<input checked="" type="checkbox"/>)
iv) Oil & grease (<input checked="" type="checkbox"/>)	v) Phenols (<input checked="" type="checkbox"/>)	vi) Any other (<input checked="" type="checkbox"/>)

Remarks:

Suman Lata
Signature of the Occupier/
Representative of the industry
with designation and seal

[Signature]
Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

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E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/35a(W)

Format No. CPTLF7.8-1(W)
REPORTING DATE: 29.06.2023

NAME OF INDUSTRY:	M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD., VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH, DISTT.- SOLAN (H.P.).
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SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Open well at House of Sh. Joginder/Hardayal/Gurdayal (Outside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/35(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.07	6.5-8.5	No relaxation	IS:3025 (P-11): 2022
2.	Specific Conductance, $\mu\text{S}/\text{cm}$	930	-	-	IS:3025 (P-14): 2013 (RA-2019)
3.	Turbidity, NTU	2.1	1	5	IS:3025 (P-10): 1984 (RA-2017)
4.	Total Dissolved Solids, mg/l	610	500	2000	IS:3025 (P-16): 1999 (RA-2019)
5.	Total Suspended Matter, mg/l	3.2	-	-	IS:3025 (P-17): 2022
6.	Total Hardness (as CaCO_3), mg/l	325	200	600	IS:3025 (P-21): 2009 (RA-2019)
7.	Calcium (as Ca^{++}), mg/l	76.0	75	200	IS:3025 (P-40): 2004
8.	Magnesium (as Mg^{++}), mg/l	26.4	30	100	IS:3025 (P-46): 1994 (RA-2019)
9.	Total Alkalinity (as CaCO_3), mg/l	335	200	600	IS:3025 (P-23): 2006
10.	Chloride (as Cl), mg/l	155	250	1000	IS:3025 (P-32): 1998 (RA-2019)
11.	Sulphate (as SO_4), mg/l	57.4	200	400	IS:3025 (P-24): 2022
12.	Iron (as Fe), mg/l	ND (DL-0.1)	1.0	No relaxation	IS: 3025 (P-53): 2003 & C/1, 10 Phenanthroline Method (RA-2019)
13.	Hexavalent Chromium, (as Cr^{6+}), mg/l	ND (DL-0.1)	-	-	IS:3025 (P-52): 2003 (RA-2019)
14.	Zinc (as Zn), mg/l	ND (DL-0.5)	5	15	IS:3025 (P-49): 1994 (RA-2019)
15.	Nitrate (as NO_3), mg/l	3.2	45	No relaxation	IS:3025 (P-34): 2022
16.	Chromium (as Cr), mg/l	ND (DL-0.04)	0.05	No relaxation	IS:3025 (P-52): 2003 (RA-2019)
17.	Fluoride (as F), mg/l	0.28	1.0	1.5	IS:3025 (P-60): 2008



CHANDIGARH POLLUTION TESTING LABORATORY

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Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in

Type of Sample	Ground Water (Grab)
Date of Sample Received in Lab	20.06.2023
Sample Identification no.	CPTL/(H.P)/2023/06/35(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Manganese (as Mn), mg/l	ND (DL-0.09)	0.1	0.3	IS:3025 (P-59): 2006
19.	Lead (as Pb), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-47): 1994 (RA-2019)
20.	Copper (as Cu), mg/l	ND (DL-0.04)	0.05	1.5	IS:3025 (P-42): 1992 (RA-2019)
21.	Nickel (as Ni), mg/l	ND (DL-0.01)	0.02	No relaxation	IS:3025 (P-54): 2003 (RA-2019)
22.	Boron (as B), mg/l	ND (DL-0.1)	0.5	1.0	IS:3025 (P-57): 2021
23.	Cadmium (as Cd), mg/l	ND (DL-0.001)	0.003	No relaxation	IS:3025 (P-41):1992 (RA-2019)
24.	Arsenic (as As), mg/l	ND (DL-0.01)	0.01	No relaxation	IS:3025 (P-37): 2022
25.	Phenol (as C ₆ H ₅ OH), mg/l	ND (DL-0.001)	0.001	0.002	IS:3025 (P-43): 2022
26.	BOD (at 27°C for 3 Days), mg/l	ND (DL-2.0)	-	-	IS:3025 (P-44) 1993 (RA-2003)
27.	Chemical Oxygen Demand, mg/l	10.0	-	-	IS:3025 (P-58): 2006 (RA-2017)
28.	Oil & Grease, mg/l	ND (DL-1.0)	-	-	IS:3025 (P-39): 2021

ND-Not Detected
DL- Detection Limit

(Chemist In-Charge)
Date: 29/06/2023

Sital Singh (CEO)
(Authorized Signatory)

Date: 29/06/2023

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- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT

Page 2 of 2



CHANDIGARH POLLUTION TESTING LABORATORY

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Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/35b(W)

Format No. CPTLF7.8-I(W)

REPORTING DATE: 29.06.2023

NAME OF INDUSTRY:	M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD., VILL.-MAJRA, P.O.- DABHOTA, TEH.- NALAGARH, DISTT.- SOLAN (H.P.).
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SAMPLE PARTICULARS

Date of Sample Collection	20.06.2023
Date of Sample Received in Lab	20.06.2023
Type of Sample	Ground Water (Grab)
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection	Open well at House of Sh. Joginder/Hardayal/Gurdayal (Outside Premises-Downstream)
Quantity & Packaging	2.0 liters in Plastic Bottle+1.0 Ltrs in Glass bottle
Sample Identification no.	CPTL/(H.P)/2023/06/35(W)
Analysis Duration	20.06.2023 to 29.06.2023
Sample Collected By	Daljeet Singh & Team
Visual Observation	Colorless liquid with suspended solids

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	Cyanide (as CN ⁻), mg/l	ND (DL-0.02)	0.05	No relaxation	IS:3025 (P-27): 2022
2.	Anionic detergents (as MBAS), mg/l	ND (DL-0.05)	0.2	1.0	IS:13428 (Annex-k): 2022
3.	Mineral Oil, mg/l	ND (DL-0.5)	0.5	No relaxation	IS:3025 (P-39): 2021 Clause 6
4.	Sulphide (as S), mg/l	ND (DL-0.01)	0.05	No relaxation	IS:3025 (P-29): 1986 (RA-2017)
5.	Barium (as Ba), mg/l	ND (DL-0.03)	0.7	No relaxation	IS:15302:2003 (RA-2018)
6.	Aluminum (as Al), mg/l	ND (DL-0.002)	0.03	0.2	IS:3025 (P-55): 2003 (RA-2019)
7.	Mercury (as Hg), mg/l	ND (DL-0.001)	0.001	No relaxation	IS:3025:P-48:1994:RA-2003

ND-Not Detected
DL-Detection Limit

(Chemist In-Charge)
Date: 29/6/23

Sital Singh (CEO)
Date: 29/6/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

FORMAT NO. - CPTL F 7.3-IV (a)

**DETAILS TO BE SUPPLIED FOR THE COLLECTION OF WATER SAMPLE BY
THE LABORATORIES RECOGNIZED BY THE BOARD**

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/S Shivatic Solid waste management Ltd,
Vill - Majra, P.O. Dabhata, Teh - Nakagesh,
Distt - Solan (H.P)

Name of representative of the Industry present: Mrs. Soman Lata
at the time of Sampling with designation.

GENERAL INFORMATION

Product & by Product : Waste management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA

Date & Time of Collection the sample: 20/06/2023, 3:30 pm

Point of Sample collection : Open well at House of Sh. Joginder/Hardoyal/Gurukul
(outside Premises - Downstream).

Type & Nature of sample collected : Ground water (Gwb)

Quantity/ Packing of Sample : 2.0 Ltr in Plastic Bottle + 1.0 Ltr in Glass.

Sample temperature of °C : 23.9


Parameter to be analyzed : pH, SC, Turbidity, TDS, TSS, TH, Ca, Mg, Fe, Alk, Cl, SO₄, F,
Hexa Cn, Zn, NO₃, Cu, Pb, Mn, As, Ni, B, Cd, Ag,
Phenol, BOD₅, COD, O₂G, Cr₆, MPAP, Pesticide oil, S₂ B₃,
As, Hg.


Sample preserved for (Tick-)

i) Organic parameter (), ii) Metals (), iii) Cyanide (),

iv) Oil & grease (), v) Phenols (), vi) Any other ().

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

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Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/26(A)

Format No. CPTLF7.8-I(A)

REPORTING DATE:26-06-2023

NAME OF INDUSTRY:

M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,
TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Process Emissions
Sampling Method:	CPTL/SM/01	Point of Sample:	From Port Hole On Stack
Date of Sample Collection:	21-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/H.P/2023/06/26(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Name of Plant/Section	Fume Hood (Exhaust) Over Stabilization Pit
2.	Source of Emission	Process Emissions
3.	*Type Of Fuel/Quantity	NA
4.	Location of Sampling Point	As per Standard
5.	*Diameter of Stack	0.2m (Top) ; 0.2m (Bottom)
6.	*Height of Stack	7.0 meter from ground
7.	Sampling Time	35.0 minutes
8.	Ambient Air Temperature	37.4°C
9.	Stack Air Temperature	37.8°C
10.	Velocity of Flue Gases	12.7 m/sec
11.	*APCD	Wet Scrubber

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM), mg/Nm ³	26.6	150	IS:11255 (Part-1) (RA: 2009)
Nitrogen Dioxide (NO ₂), mg/Nm ³	10.8	-	IS:11255 (Part-7) 1988 (RA: 2012)
Sulphur Dioxide (SO ₂), mg/Nm ³	ND (DL-3.0)	-	IS:1255 (Part-2) 1985 (RA: 2012)
Carbon Monoxide (CO), %	ND (DL-0.2)	1.0	IS:13720: 1992

*represent the information provided by the customer.

ND- Not Detected
DL-Detection Limit

Chemist In Charge
Date: 26/6/23

Sital Singh (CEO)
(Authorized Signatory)
Date: 26/6/23

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- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF EMISSION (AIR) SAMPLE BY THE LABORATORY

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/s Shivalik Solid Waste Management
Ltd, Vill. Majra, P.O. Dabhota, Teh. Nalagarh
Distt - Solan, (H.P)

Name of representative of the Industry present at the time of Sampling with designation. : Mrs. Suman Lata

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

Type and capacity of boiler/furnace : Process Emission

FBC provided/not provided : -

Height of the stack from ground level : 7.0 m from G/L

Diameter of Stack
 Top : 0.2m
 Bottom : 0.2m

Type of Fuel used with quantity : NA

Whether the port hole and platform is provided : Yes



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 Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P./2023/06/25(A)

Format No. CPTLF7.8-I(A)

REPORTING DATE: 26-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
 VILL.-MAJRA, P.O.- DABHOTA,
 TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Stack Air Emission
Sampling Method:	CPTL/SM/01	Point of Sample:	From Port Hole On Stack
Date of Sample Collection:	21-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/H.P./2023/06/25(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Name of Plant/Section	Boiler @ 750kg/hr
2.	Source of Emission	Burning of Fuel
3.	* Type Of Fuel/Quantity	Bio Diesel @ 35.0ltr/hr
4.	Location of Sampling Point	As per Standard
5.	* Diameter of Stack	12" (Top) ; 12" (Median); 30" (Bottom)
6.	* Height of Stack	30 meter from ground level
7.	Sampling Time	70.0 min
8.	Ambient Air Temperature	37.2°C
9.	Stack Air Temperature	64.8°C
10.	Velocity of Flue Gases	7.63 m/sec
11.	* APCD	Wet Scrubber
12.	CO ₂ % (v/v)	5.6%

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM), at 3% O ₂ , mg/Nm ³	45.8	500	IS:11255 (Part-1) 1985 (RA: 2009)
Nitrogen Dioxide (NO ₂), at 3% O ₂ , mg/Nm ³	18.2	300	IS:11255 (Part-7) 1988 (RA: 2012)
Sulphur Dioxide (SO ₂), at 3% O ₂ , mg/Nm ³	ND (DL-3.0)	600	IS:11255 (Part-2) 1985 (RA: 2012)
Carbon Monoxide (CO), mg/Nm ³	22.6	--	IS:13720: 1992

*represent the information provided by the customer.

ND- Not Detected

DL-Detection Limit

Chemist In-Charge
 Date: 26/06/23

Sital Singh (CEO)
 (Authorized Signatory)
 Date: 26/06/23

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**DETAILS TO BE SUPPLIED FOR THE COLLECTION OF EMISSION
(AIR) SAMPLE BY THE LABORATORY**

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/S Shivak Solid Waste Management
Ltd, Vill - Majra, P.O. Dabhota, Teh - Nalagarh
Distt - Solan, (H.P)

Name of representative of the Industry present at the time of Sampling with designation. : Mrs. Suman Lata

GENERAL INFORMATION

Product & by Product : Waste management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

Type and capacity of boiler/furnace : Boiler @ 750 kg/hr

FBC provided/not provided : NA

Height of the stack from ground level : 30 meter from g/L

Diameter of Stack

Top : 12"
Median : 12"
Bottom : 30"

Type of Fuel used with quantity : Bio Diesel @ 35 Ltr/hr

Whether the port hole and platform is provided : Yes



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TEST CERTIFICATE

REPORT No. CPTL/HP/2023/06/24a(A)

Format No. CPTLF7.8-I(A)

REPORTING DATE: 26-06-2023

NAME OF INDUSTRY:

M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,
TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Stack Air Emission
Sampling Method:	CPTL/SM/01	Point of Sample:	From Port Hole On Stack
Date of Sample Collection:	21-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/HP/2023/06/24(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Name of Plant/Section	DG Set (100 KVA) (S. No. 62615938)
2.	Source of Emission	Burning of Fuel
3.	*Type Of Fuel/Quantity	Diesel@ 20.0 ltr/hr
4.	Location of Sampling Point	As per Standard
5.	*Diameter of Stack	0.1m (Top) ; 0.1m (Bottom)
6.	*Height of Stack	7.6 meter from Canopy
7.	Sampling Time	35 minutes
8.	Ambient Air Temperature	36.8°C
9.	Stack Air Temperature	161°C
10.	Velocity of Flue Gases	8.62 m/sec

PARAMETERS	RESULTS	PRESCRIBED STANDARD BY CPCB	TEST METHOD
Particulate Matter (PM), g/kw-hr	0.058	≤0.2	IS:11255 (Part-1) 1985 Ref 1988, (RA: 2009): 1988
Nitrogen Dioxide (NO ₂) g/kw-hr	0.044	≤4.0	IS:11255 (Part-7) 1988 RA 2005 (RA: 2012): 1988
Carbon Monoxide (CO) g/kw-hr	1.28	≤3.5	IS:13720: 1992
Sulphur Dioxide (SO ₂), mg/Nm ³	ND (DL-3.0)	----	IS:11255 (Part-2) 1985 RA 2005 (RA: 2012): 1988

*represent the information provided by the customer

ND-Not Detected
DL-Detection Limit

Chemist In-Charge
Date: 26/06/2023

Sital Singh (CEO)
(Authorized Signatory)
Date: 26/06/2023

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END OF REPORT



CHANDIGARH POLLUTION TESTING LABORATORY

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TEST CERTIFICATE

REPORT No. CPTL/HP/2023/06/24b(A)

Format No. CPTLF7.8-I(A)

REPORTING DATE: 26-06-2023

NAME OF INDUSTRY:

M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,
TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Stack Air Emission
Sampling Method:	CPTL/SM/01	Point of Sample:	From Port Hole On Stack
Date of Sample Collection:	21-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/HP/2023/06/24(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Name of Plant/Section	DG Set (100 KVA) (S. No. 62615938)
2.	Source of Emission	Burning of Fuel
3.	*Type Of Fuel/Quantity	Diesel@ 20.0 ltr/hr
4.	Location of Sampling Point	As per Standard
5.	*Diameter of Stack	0.1m (Top) ; 0.1m (Bottom)
6.	*Height of Stack	7.6 meter from Canopy
7.	Sampling Time	35 minutes
8.	Ambient Air Temperature	36.8°C
9.	Stack Air Temperature	161°C
10.	Velocity of Flue Gases	8.62 m/sec

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Hydrocarbon (as HC), mg/Nm ³	38.6	-	IS:11255 (Part-1) 1985 Reff 1988, (RA: 2009)

*represent the information provided by the customer

[Signature]
Chemist In-Charge
Date: 26/6/23

[Signature]
Sital Singh (CEO)
Date: 26/6/2023

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- Sample will be destroyed after retention time unless otherwise specified

END OF REPORT



CHANDIGARH POLLUTION TESTING LABORATORY

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TEST CERTIFICATE

REPORT No. CPTL/HP/2023/06/17(N)

Format No. CPTLF7.8-I(N)

REPORTING DATE: 26-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL-MAJRA, P.O.- DABHOTA, TEH.-NALAGARH,
DISTT.- SOLAN (H.P) 174101.

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	DG Set Noise
Sampling Method:	CPTL/SM/01	Point of Sample:	1.0 meter from Canopy
Date of Monitoring.:	20-06-2023	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/HP/2023/06/17(N)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Noise Level Monitoring		

TECHNICAL DATA

1.	Source of Noise Pollution	DG Set	
2.	* Make of D.G. Set	Sudhir	
3.	* Capacity of D.G. Set	100 KVA	
4.	* S. No. of D. G. Set	62615938	
5.	* Date of Manufacturing of D.G. Set	Dec.2007	
6.	* Date of Installation of D.G. Set	2008	
PARAMETERS	RESULTS dB(A)	PRESCRIBED STANDARD dB (A)	TEST METHOD
DG Set Off	42.2	--	IS 9989:1981(Rev.2002)
DG Set On (At 1.0 meter from enclosure surface)	68.9	Max. 75	IS 9989:1981(Rev.2002)

* represent the information provided by the customer.

Almas
Chemist In-Charge
26/6/23

Date:

Sital Singh
Sital Singh (CEO)
(Authorized Signatory)
Date: 26/06/2023

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DETAILS TO BE SUPPLIED FOR THE COLLECTION OF EMISSION (AIR) & NOISE LEVEL MONITORING OF D.G. SETS BY THE LABORATORY

Name of the laboratory collecting the sample : Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : M/s Shivalk Solid Waste Management
Ltd, Vill- Majra, pos Dabhota, Teh- Nalagarh
Distt- Solan (H.P)

Name of representative of the Industry present at the time of Sampling with designation. : Mrs. Suman Lata

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

Source of Air Emission/Noise Level : Working of D.G Set

Make of D.G. Set : Cummins (Sudhir)

Capacity of D.G. Set : 100 KVA

S. No. of D.G. Set : 62615938

Model No. of D.G. Set : -

Manufacturing Date of D.G. Set : Dec 2007

Installation date of D.G. Set : 2008

Height of Stack : 7.6 m from canopy

Diameter of Stack : 0.1m

Top : 0.1m
Bottom : 0.1m

Type of Fuel used with quantity : Diesel @ 20 Ltr/hr

Whether the port hole and platform is provided : Yes



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TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/23(A)

Format No. CPTLF7.8-I(A)

REPORTING DATE: 26-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,
TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Ambient Air
Sampling Method:	CPTL/SM/01	Point of Sample:	Village- Bara Basot
Date of Sample Collection:	20-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/H.P/2023/06/23(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Location of Sampling station	Village- Bara Basot
2.	Instrument used for Sampling	RDS, FPS, Benzene Sampler & Gaseous Attachment
3.	Time period for Sampling	1440 minutes

PARAMETERS	RESULTS	AS PER NAAQS- 2009 PRESCRIBED BY CPCB	TEST METHOD
Particulate Matter (PM ₁₀), µg/m ³	55.4	100	IS:5182 (P-23): 2006, (RA – 2012)
Particulate Matter (PM _{2.5}), µg/m ³	16.2	60	IS: 5182:(P-24):2019
Nitrogen Dioxide (NO ₂), µg/m ³	11.9	80	IS:5182 (P-6): 2006, (RA – 2012)
Sulphur dioxide (SO ₂), µg/m ³	6.0	80	IS:5182 (P-2): 2001, (RA-2012)
Ammonia (NH ₃), µg/m ³	ND (DL-20)	400	Indophenol Method, CPCB Guidelines (Vol. 1)
Ozone (O ₃), µg/m ³	ND (DL-10.0)	100	IS:5182 (P-9): 1974, (RA – 2012)
Benzene (C ₆ H ₆), µg/m ³	ND (DL-1.8)	05	IS:5182 (P-11): 2006
Benzo (a) Pyrene (BaP), ng/m ³	ND (DL-0.9)	01	IS:5182 (P-12): 2004
Carbon monoxide (CO), mg/m ³	ND (DL-0.5)	4	IS:5182 (Part-10): 1999, (RA – 2009)
Lead (Pb), µg/m ³	ND (DL-0.1)	1.0	IS:5182 (Part-22): 2004
Nickel (Ni), ng/m ³	ND (DL-5.0)	20	CPCB Guideline, Volume-1:2011
Arsenic (As), ng/m ³	ND (DL-0.7)	06	CPCB Guideline, Volume-1:2011

ND-Not Detected
DL-Detection Limit

Chemist In-Charge
Date: 26/06/2023

Sital Singh (CEO)
(Authorized Signatory)
Date: 26/06/2023

- The results are related to test items only.
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- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF AMBIENT AIR SAMPLE BY THE LABORATORY

Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.**

Name & Address of the industry : *M/S Shivalik Solid waste management Ltd,
Vill Majra, P.O. Dabhota, Teh - Natagarch,
Distt Solan (H.P)*

Name of representative of the Industry present at the time of Sampling with designation. : *Mrs. Suman Lata*

GENERAL INFORMATION

Product & by Product : *waste management*

Complete List of raw material used : *NA*

Manufacturing process involved : *NA*

Whether all processes were in working at the time of visit. : *Yes*

SAMPLING COLLECTION DATA

Date & Time of Sample Collection : *20/06/2023, 11:20 am.*

Location of Sampling Station/Code : *Vill - Bara Basot*

Type of Instrument Used (✓) : *RDS (✓), HVS (), FPS (✓), Grossers Attached*

Instrument code : *8 Benzene Sample*

Time Totalizer Reading (RDS)	From		To		(Minute)
Elapsed Time	From		To		(Minute)
Time Totalizer Reading (FPS)	From		To		(Minute)
Elapsed Time	From		To		(Minute)

1640 min.



CHANDIGARH POLLUTION TESTING LABORATORY

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NABET Accredited EIA Consultant



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Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/22(A)

Format No. CPTLF7.8-I(A)
REPORTING DATE: 26-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,
TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Air Quality w.r.t work zone
Sampling Method:	CPTL/SM/01	Point of Sample:	Inside Temporary Storage Area
Date of Sample Collection:	20-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/H.P/2023/06/22(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Location of Sampling station	Inside Temporary Storage Area (Work Zone Air)
2.	Instrument used for Sampling	RDS, FPS & Gaseous Attachment
3.	Time period for Sampling	480 minutes

PARAMETERS	RESULTS	PRESCRIBED STANDARD AS PER FACTORY ACT.-1948, SCH.- II & SEC.41F	TEST METHOD
Particulate Matter (PM ₁₀), mg/m ³	0.316	5.0	IS:5182 (P-23): 2006, (RA - 2012)
Particulate Matter (PM _{2.5}), mg/m ³	0.053	-	IS:5182:(P-24):2019
Nitrogen Dioxide (NO ₂), mg/m ³	0.016	6.0	IS:5182 (P-6): 2006, (RA - 2012)
Sulphur dioxide (SO ₂), mg/m ³	0.022	5.0	IS:5182 (P-2): 2001, (RA-2012)
Carbon monoxide (CO), mg/m ³	ND (DL-1.0)	55.0	IS:5182 (Part-10): 1999, (RA - 2009)

PM₁₀- Standard is from OSHA

ND- Not Detected

DL- Detection Limit

Dinesh
Chemist in Charge
26/6/23

Date:

Sital Singh
Sital Singh (CEO)

(Authorized Signatory)

Date: 26/06/2023

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF AMBIENT AIR SAMPLE BY THE LABORATORY

Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.**

Name & Address of the industry : m/s Shivalik Solid Waste Management Ltd,
Via. Majra, P.O. Dabhota, Teh. Nalagarh,
Distt. Solan (H.P)

Name of representative of the Industry present at the time of Sampling with designation. : Mrs. Suman Lata

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLING COLLECTION DATA

Date & Time of Sample Collection : 20/06/2023, 11:30 am.

Location of Sampling Station/Code : Inside Temporary Storage Area (under Zoo Area)

Type of Instrument Used (✓) : RDS (✓), HVS (), FPS (✓) &

Instrument code : Gascon Attachment

Time Totalizer Reading (RDS) : From _____ To _____ (Minute)

Elapsed Time : From _____ To _____ (Minute)

Time Totalizer Reading (FPS) : From _____ To _____ (Minute)

Elapsed Time : From _____ To _____ (Minute)

480 min.



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015
Phone : 0172-4669295
Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055
Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/21(A)

Format No. CPTLF7.8-I(A)

REPORTING DATE: 26-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,
TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Ambient Air
Sampling Method:	CPTL/SM/01	Point of Sample:	Village- Majra
Date of Sample Collection:	20-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/H.P/2023/06/21(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Location of Sampling station	Village- Majra
2.	Instrument used for Sampling	RDS, FPS, Benzene Sampler & Gaseous Attachment
3.	Time period for Sampling	1440 minutes

PARAMETERS	RESULTS	AS PER NAAQS- 2009 PRESCRIBED BY CPCB	TEST METHOD
Particulate Matter (PM ₁₀), µg/m ³	55.9	100	IS:5182 (P-23): 2006, (RA – 2012)
Particulate Matter (PM _{2.5}), µg/m ³	16.6	60	IS: 5182:(P-24):2019
Nitrogen Dioxide (NO ₂), µg/m ³	12.4	80	IS:5182 (P-6): 2006, (RA – 2012)
Sulphur dioxide (SO ₂), µg/m ³	6.6	80	IS:5182 (P-2): 2001, (RA-2012)
Ammonia (NH ₃), µg/m ³	ND (DL-20)	400	Indophenol Method, CPCB Guidelines (Vol. 1)
Ozone (O ₃), µg/m ³	ND (DL-10.0)	100	IS:5182 (P-9): 1974, (RA – 2012)
Benzene (C ₆ H ₆), µg/m ³	ND (DL-1.8)	05	IS:5182 (P-11): 2006
Benzo (a) Pyrene (BaP), ng/m ³	ND (DL-0.9)	01	IS:5182 (P-12): 2004
Carbon monoxide (CO), mg/m ³	ND (DL-0.5)	4	IS:5182 (Part-10): 1999, (RA – 2009)
Lead (Pb), µg/m ³	ND (DL-0.1)	1.0	IS:5182 (Part-22): 2004
Nickel (Ni), ng/m ³	ND (DL-5.0)	20	CPCB Guideline, Volume-1:2011
Arsenic (As), ng/m ³	ND (DL-0.7)	06	CPCB Guideline, Volume-1:2011

ND-Not Detected
DL-Detection Limit

[Signature]
Chemist In-Charge
Date: 26/06/23

[Signature]
Sital Singh (CEO)
(Authorized Signatory)
Date: 26/06/23

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF AMBIENT AIR SAMPLE BY THE LABORATORY

Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.**

Name & Address of the industry : *M/S Shivalik Solid Waste Management Ltd,
Vill. Majra, P.O. Dabhota, Teh. Nalagarh,
Distt - Solan (H.P).*

Name of representative of the Industry present at the time of Sampling with designation. : *Mrs. Suman Lata*

GENERAL INFORMATION

Product & by Product : *Waste management*

Complete List of raw material used : *NA*

Manufacturing process involved : *NA*

Whether all processes were in working at the time of visit. : *Yes*

SAMPLING COLLECTION DATA

Date & Time of Sample Collection : *20/06/2023, 10:55 am*

Location of Sampling Station/Code : *Vill- Majra*

Type of Instrument Used (✓) : *RDS (✓), HVS (), FPS (✓), Calicans*

Instrument code : *Attachment 3 Benzene Sample*

Time Totalizer Reading (RDS)	:	From		To		(Minute)
Elapsed Time	:	From		To		(Minute)
Time Totalizer Reading (FPS)	:	From		To		(Minute)
Elapsed Time	:	From		To		(Minute)

1440 mi



CHANDIGARH POLLUTION TESTING LABORATORY

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Phone : 0172-5090312

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Website : www.cptl.co.in



TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/20(A)

Format No. CPTLF7.8-I(A)

REPORTING DATE: 26-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,
TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Ambient Air
Sampling Method:	CPTL/SM/01	Point of Sample:	At MEE Plant (Inside Premises)
Date of Sample Collection:	20-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/H.P/2023/06/20(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Location of Sampling station	At MEE Plant (Inside Premises)
2.	Instrument used for Sampling	RDS, FPS, Benzene Sampler & Gaseous Attachment
3.	Time period for Sampling	1440 minutes

PARAMETERS	RESULTS	AS PER NAAQS-2009 PRESCRIBED BY CPCB	TEST METHOD
Particulate Matter (PM ₁₀), µg/m ³	54.6	100	IS 5182 (P-23): 2006, (RA – 2012)
Particulate Matter (PM _{2.5}), µg/m ³	14.2	60	IS: 5182:(P-24):2019
Nitrogen Dioxide (NO ₂), µg/m ³	13.2	80	IS 5182 (P-6): 2006, (RA – 2012)
Sulphur dioxide (SO ₂), µg/m ³	6.1	80	IS 5182 (P-2): 2001, (RA-2012)
Ammonia (NH ₃), µg/m ³	ND (DL-20)	400	Indophenol Method, CPCB Guidelines (Vol. 1)
Ozone (O ₃), µg/m ³	ND (DL-10.0)	100	IS 5182 (P-9): 1974, (RA – 2012)
Benzene (C ₆ H ₆), µg/m ³	ND (DL-1.8)	05	IS 5182 (P-11): 2006
Benzo (a) Pyrene (BaP), ng/m ³	ND (DL-0.9)	01	IS 5182 (P-12): 2004
Carbon monoxide (CO), mg/m ³	ND (DL-0.5)	4	IS 5182 (Part-10): 1999, (RA – 2009)
Lead (Pb), µg/m ³	ND (DL-0.1)	1.0	IS 5182 (Part-22): 2004
Nickel (Ni), ng/m ³	ND (DL-5.0)	20	CPCB Guideline, Volume-1:2011
Arsenic (As), ng/m ³	ND (DL-0.7)	06	CPCB Guideline, Volume-1:2011

ND-Not Detected
DL-Detection Limit

Chemist in Charge
Date: 26/06/23

Sital Singh (CEO)
(Authorized Signatory)
Date: 26/06/23

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- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF AMBIENT AIR SAMPLE BY THE LABORATORY

Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.**

Name & Address of the industry : Shivalik Solid Waste management Ltd,
Vill- Majra, P.O → Dabhota, Teh - Nalagarh,
Distt- Solan (H.P)

Name of representative of the Industry present at the time of Sampling with designation. : Mrs. Suman Lata

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit : Yes

SAMPLING COLLECTION DATA

Date & Time of Sample Collection : 20/06/2023, 10:30am.

Location of Sampling Station/Code : At MEE Plant (Inside Premises)

Type of Instrument Used (✓) : RDS (✓), HVS (), FPS (✓), *Calson*
Attachment & Benzene Sampler

Instrument code :

Time Totalizer Reading (RDS) : From To (Minute)

Elapsed Time : From To (Minute)

Time Totalizer Reading (FPS) : From To (Minute)

Elapsed Time : From To (Minute)

1440 min.



CHANDIGARH POLLUTION TESTING LABORATORY

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TEST CERTIFICATE

REPORT No. CPTL/H.P/2023/06/19(A)

Format No. CPTLF7.8-I(A)
REPORTING DATE:26-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL.-MAJRA, P.O.- DABHOTA,
TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Ambient Air
Sampling Method:	CPTL/SM/01	Point of Sample:	Roof Of Laboratory Office
Date of Sample Collection:	20-06-2023	Environmental Conditions:	Normal
Date of Sample Received in Lab.:	21-06-2023	Analysis Duration:	21-06-2023 to 26-06-2023
Sample Identification No.:	CPTL/H.P/2023/06/19(A)	Sample Collected By:	Daljeet Singh & Team
Nature of Sample:	Air Sample		

TECHNICAL DATA

1.	Location of Sampling station	Roof Of Laboratory Office
2.	Instrument used for Sampling	RDS, FPS, Benzene Sampler & Gaseous Attachment
3.	Time period for Sampling	1440 minutes

PARAMETERS	RESULTS	AS PER NAAQS- 2009 PRESCRIBED BY CPCB	TEST METHOD
Particulate Matter (PM ₁₀), µg/m ³	54.1	100	IS: 5182 (P-23): 2006, (RA – 2012)
Particulate Matter (PM _{2.5}), µg/m ³	13.8	60	IS: 5182:(P-24):2019
Nitrogen Dioxide (NO ₂), µg/m ³	12.6	80	IS: 5182 (P-6): 2006, (RA – 2012)
Sulphur dioxide (SO ₂), µg/m ³	5.8	80	IS: 5182 (P-2): 2001, (RA-2012)
Ammonia (NH ₃), µg/m ³	ND (DL-20)	400	Indophenol Method, CPCB Guidelines (Vol. 1)
Ozone (O ₃), µg/m ³	ND (DL-10.0)	100	IS: 5182 (P-9): 1974, (RA – 2012)
Benzene (C ₆ H ₆), µg/m ³	ND (DL-1.8)	05	IS: 5182 (P-11): 2006
Benzo (a) Pyrene (BaP), ng/m ³	ND (DL-0.9)	01	IS: 5182 (P-12): 2004
Carbon monoxide (CO), mg/m ³	ND (DL-0.5)	4	IS: 5182 (Part-10): 1999, (RA – 2009)
Lead (Pb), µg/m ³	ND (DL-0.1)	1.0	IS: 5182 (Part-22): 2004
Nickel (Ni), ng/m ³	ND (DL-5.0)	20	CPCB Guideline, Volume-1:2011
Arsenic (As), ng/m ³	ND (DL-0.7)	06	CPCB Guideline, Volume-1:2011

ND-Not Detected
DL-Detection Limit

Chemist In-Charge
Date: 26/06/23

Sital Singh (CEO)
(Authorized Signatory)
Date: 28/06/2023

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- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF AMBIENT AIR SAMPLE BY THE LABORATORY

Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.**

Name & Address of the industry : *M/S Shivatik Solid waste management Ltd,
Via- Nagra, P.O- Dabhota, Teh- Nalagarh,
Distl- Solan (H.P)*

Name of representative of the Industry present at the time of Sampling with designation. : *Mrs. Suman Lata*

GENERAL INFORMATION

Product & by Product : *waste management*

Complete List of raw material used : *NA*

Manufacturing process involved : *NA*

Whether all processes were in working at the time of visit. : *Yes*

SAMPLING COLLECTION DATA

Date & Time of Sample Collection : *20/06/2023, 10:20am.*

Location of Sampling Station/Code : *Roof of Laboratory office*

Type of Instrument Used (✓) : *RDS (✓), HVS (), FPS (✓), Crescours*

Instrument code : *Attachment B Benzene Sampler*

Time Totalizer Reading (RDS) : From _____ To _____ (Minute)

Elapsed Time : From _____ To _____ (Minute)

Time Totalizer Reading (FPS) : From _____ To _____ (Minute)

Elapsed Time : From _____ To _____ (Minute)

1440 mg



CHANDIGARH POLLUTION TESTING LABORATORY

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TEST CERTIFICATE

Format No. CPTLF7.8-I(N)

REPORT No. CPTL/H.P/2023/06/16(AN)

REPORTING DATE: 26-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
 VILL.-MAJRA, P.O.- DABHOTA,
 TEH.- NALAGARH, DISTT.- SOLAN (H.P.).

SAMPLE PARTICULARS

Sampling Plan Ref No.:	CPTLF 7.3-I	Type of Sample:	Ambient Noise
Sampling Method:	CPTL/SM/01	Sampling Location:	At Different Locations
Date of Monitoring:	20-06-2023	Environmental Conditions:	Normal
Sample Identification No.	CPTL/H.P/2023/06/16(AN)	Monitoring Done By:	Daljeet Singh & Team
Nature of Sample:	Noise Level Monitoring		

NOISE LEVEL

S. No.	Location	Value in dB(A) (Average) Day Time	Value in dB(A) (Average) Night Time	Test Method
01.	Near Main Gate	43.4	31.8	IS 9989:1981(Rev.2002)
02.	Near Utility Area	40.6	30.6	IS 9989:1981(Rev.2002)
03.	Near Landfill	41.4	30.4	IS 9989:1981(Rev.2002)
Prescribed Standard		75	70	--

[Signature]
 Chemist In-Charge

Date:

[Signature]
 Sital Singh (CEO)
 (Authorized Signatory)
 Date: 26/06/2023

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- Sample will be destroyed after retention time unless otherwise specified.

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF NOISE MONITORING BY THE LABORATORY

Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory**
E-126, Industrial Area, Phase-VII, Mohali.

Name & Address of the industry : **mis Shivalik Solid Waste Management Ltd,**
Vill- Majra, P.O- Dabhota, Teh- Nalagarh,
Distt- Solan (H.P)

Name of representative of the Industry present at the time of Sampling with designation. : **Mrs. Suman Lata**

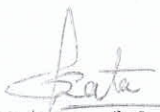
GENERAL INFORMATION

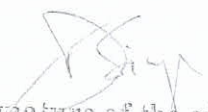
Location 1. At different location.
2.
3.
4.

S.No	Sub-Location	Results	
		Day time (06.00 AM to 10.00 PM)	Night time (10.00 PM to 06.00 AM)
1	Near Main Gate	43.4	31.8
2	Near Utility Area	40.6	30.6
3	Near Landfill	41.4	30.4

SAMPLING COLLECTION DATA

Date & Time of Noise Monitoring : **20/06/2023, 10:12 am to 24/6/2023**
Instrument Used : **Noise Meter.**


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

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Website : www.cptl.co.in



TEST CERTIFICATE

REPORT NO. CPTL/H.P/2023/06/03a(S)

Format No. CPTLF7.8-I(S)

REPORTING DATE: 29-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL-MAJRA, P.O.- DABHOTA, TEH.-NALAGARH,
DISTT.- SOLAN (H.P) 174101.

SAMPLE PARTICULARS

Date of Sample Collected:	20-06-2023
Date of Sample Received:	20-06-2023
Type of Sample:	Soil
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection:	Near Temporary Storage Shed
Quantity & Packaging:	1000 gm in plastic sealed bag
Sample Identification No.:	CPTL/(H.P)/2023/06/03(S)
Analysis Duration:	20-06-2023 to 29-06-2023
Sample Collected By:	Daljeet Singh & Team
Visual Observation:	Brown in color

TEST RESULTS

S. No.	Test Parameters	Unit	Results	Test method
1.	pH	--	7.57	IS 2720 (P-26): 1987 (RA-2021)
2.	Conductivity	mS/cm	0.258	IS 14767:2000
3.	Organic Matter	%	1.46	IS: 2720 (Part-22):2001
4.	Arsenic (as As)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
5.	Mercury (as Hg)	mg/Kg	ND (DL-0.2)	USEPA-3050B: 1996
6.	Lead (as Pb)	mg/Kg	2.57	USEPA-3050B: 1996
7.	Chromium (as Cr)	mg/Kg	2.13	USEPA-3050B: 1996
8.	Copper (as Cu)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
9.	Cadmium (as Cd)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
10.	Zinc (as Zn)	mg/Kg	0.43	USEPA-3050B: 1996
11.	Nickel (as Ni)	mg/Kg	1.73	USEPA-3050B: 1996
12.	Manganese (as Mn)	mg/Kg	1.41	USEPA-3050B: 1996

ND-Not Detected
DL-Detection Limit

(Signature)
(Chemist In-Charge)
Date: 29/6/2023

(Signature)
Sital Singh (CEO)
(Authorized Signatory)
Date: 29/6/2023

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- Sample will be destroyed after retention time unless otherwise specified.



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant

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TEST CERTIFICATE

REPORT NO. CPTL/H.P/2023/06/03b(S)

Format No. CPTLF7.8-I(S)

REPORTING DATE: 29-06-2023

NAME OF INDUSTRY:

M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL-MAJRA, P.O.- DABHOTA, TEH.-NALAGARH,
DISTT.- SOLAN (H.P) 174101.


SAMPLE PARTICULARS


Date of Sample Collected:	20-06-2023
Date of Sample Received:	20-06-2023
Type of Sample:	Soil
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection:	Near Temporary Storage Shed
Quantity & Packaging:	1000 gm in plastic bag
Sample Identification No.:	CPTL/(H.P)/2023/06/03(S)
Analysis Duration:	20-06-2023 to 29-06-2023
Sample Collected By:	Daljeet Singh & Team
Visual Observation:	Brown in color

TEST RESULTS

S. No.	Test Parameters	Unit	Results	Test method
1.	Colour	--	Brown	Visual
2.	Cyanide (as CN)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996

ND-Not Detected
DL-Detection Limit


(Chemist In-Charge)
Date: 29/06/23


Sital Singh (CEO)
Date: 29/06/23

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without approval of laboratory.
- Sample will be destroyed after retention time unless otherwise specified.

END OF REPORT

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF SOIL SAMPLE BY THE LABORATORIES RECOGNIZED BY THE BOARD

Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory E-126, Industrial Area, Phase-VII, Mohali.**

Name & Address of the industry : M/S Shivark Solid Waste Management Ltd, Vill - Majra, P.O. Dabhota, Teh. Nalagarh, Distt - Solan (H.P)

Name of representative of the Industry present: Mrs. Suman Lata
at the time of Sampling with designation.

GENERAL INFORMATION

Product & by Product : Waste management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA OF SOIL

Date & Time of Sample Collection : 20/06/2023, 3:43 pm

Point of Collection : Near temporary storage shed

Depth at which sample is taken : 3cm

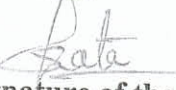
Type & Nature of Sample (Soil/Waste) : Soil

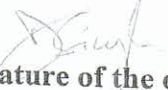
Quantity/ Packing of Sample : 1000 gm in Plastic Sealed Bag

Ambient temperature (°C) : 34.6

Parameter to be analyzed : PH, Cond, OM, As, Hg, Pb, Cr, Cd, Zn, Ni, Mn, Colou, CW.

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant



H.O. : #372, Sector 15-A, Chandigarh-160 015

Phone : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055

Phone : 0172-5090312

E-mail : cptle126@gmail.com ; lab@cptl.co.in

Website : www.cptl.co.in



TEST CERTIFICATE

Format No. CPTLF7.8-I(S)

REPORT NO. CPTL/H.P/2023/06/02a(S)

REPORTING DATE: 29-06-2023

NAME OF INDUSTRY:

M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL-MAJRA, P.O.- DABHOTA, TEH.-NALAGARH,
DISTT.- SOLAN (H.P) 174101.

SAMPLE PARTICULARS

Date of Sample Collected:	20-06-2023
Date of Sample Received:	20-06-2023
Type of Sample:	Soil
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection:	Composite Soil Sample Outside Premises
Quantity & Packaging:	1000 gm in plastic sealed bag
Sample Identification No.:	CPTL/(H.P)/2023/06/02(S)
Analysis Duration:	20-06-2023 to 29-06-2023
Sample Collected By:	Daljeet Singh & Team
Visual Observation:	Brown in color

TEST RESULTS

S. No.	Test Parameters	Unit	Results	Test method
1.	pH	--	7.75	IS 2720 (P-26): 1987 (RA-2021)
2.	Conductivity	mS/cm	0.268	IS 14767:2000
3.	Organic Matter	%	1.56	IS: 2720 (Part-22):2001
4.	Arsenic (as As)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
5.	Mercury (as Hg)	mg/Kg	ND (DL-0.2)	USEPA-3050B: 1996
6.	Lead (as Pb)	mg/Kg	3.33	USEPA-3050B: 1996
7.	Chromium (as Cr)	mg/Kg	2.26	USEPA-3050B: 1996
8.	Copper (as Cu)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
9.	Cadmium (as Cd)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
10.	Zinc (as Zn)	mg/Kg	0.55	USEPA-3050B: 1996
11.	Nickel (as Ni)	mg/Kg	2.33	USEPA-3050B: 1996
12.	Manganese (as Mn)	mg/Kg	1.46	USEPA-3050B: 1996

ND-Not Detected

DL-Detection Limit

(Chemist - In Charge)

Date:

Sital Singh (CEO)

(Authorized Signatory)

Date: 29/06/2023

- The results are related to test items only.
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END OF REPORT

Page 1 of 1



CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

NABET Accredited EIA Consultant

H.O. : #372, Sector 15-A, Chandigarh-160 015
Phone : 0172-4669295
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Phone : 0172-5090312
E-mail : cptle126@gmail.com ; lab@cptl.co.in
Website : www.cptl.co.in



TEST CERTIFICATE

Format No. CPTLF7.8-I(S)

REPORT NO. CPTL/H.P/2023/06/02b(S)

REPORTING DATE: 29-06-2023

NAME OF INDUSTRY:

M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL-MAJRA, P.O.- DABHOTA, TEH.-NALAGARH,
DISTT.- SOLAN (H.P) 174101.

SAMPLE PARTICULARS

Date of Sample Collected:	20-06-2023
Date of Sample Received:	20-06-2023
Type of Sample:	Soil
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection:	Composite Soil Sample Outside Premises
Quantity & Packaging:	1000 gm in plastic bag
Sample Identification No.:	CPTL/(H.P)/2023/06/02(S)
Analysis Duration:	20-06-2023 to 29-06-2023
Sample Collected By:	Daljeet Singh & Team
Visual Observation:	Brown in color

TEST RESULTS

S. No.	Test Parameters	Unit	Results	Test method
1.	Colour	--	Brown	Visual
2.	Cyanide (as CN)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996

ND-Not Detected
DL-Detection Limit

(Chemist In-Charge)

Date:

Sital Singh (CEO)

Date:

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END OF REPORT

Page 1 of 1

DETAILS TO BE SUPPLIED FOR THE COLLECTION OF SOIL SAMPLE BY THE LABORATORIES RECOGNIZED BY THE BOARD

Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.**
M/s Shivalik Solid Waste Management Ltd,
Name & Address of the industry : Via- Majra, P.O. Dabhotra, Teh - Nalagarh,
Distt- Solan (H.P.)
Name of representative of the Industry present: Mrs. Suman Lata
at the time of Sampling with designation.


GENERAL INFORMATION


Product & by Product : Waste Management
Complete List of raw material used : NA
Manufacturing process involved : NA
Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA OF SOIL

Date & Time of Sample Collection : 20/06/2023, 3:26 pm.
Point of Collection : Composite Soil Sample Outside Premises
Depth at which sample is taken : 25 cm.
Type & Nature of Sample (Soil/Waste) : Soil
Quantity/ Packing of Sample : 100 gm in Plastic Sealed Bag
Ambient temperature (°C) : 32.8
Parameter to be analyzed : PH_3 , CO_2 , SO_2 , NO_2 , NO , H_2S , Pb , Cd , Cu , Co , Zn , Mn ,
Colour, etc.

Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample



CHANDIGARH POLLUTION TESTING LABORATORY

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Website : www.cptli.co.in



TEST CERTIFICATE

REPORT NO. CPTL/H.P/2023/06/01a(S)

Format No. CPTLF7.8-I(S)

REPORTING DATE: 29-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
VILL-MAJRA, P.O.- DABHOTA, TEH.-NALAGARH,
DISTT.- SOLAN (H.P) 174101.

SAMPLE PARTICULARS

Date of Sample Collected:	20-06-2023
Date of Sample Received:	20-06-2023
Type of Sample:	Soil
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection:	Composite Soil Sample Inside Premises
Quantity & Packaging:	1000 gm in plastic sealed bag
Sample Identification No.:	CPTL/(H.P)/2023/06/01(S)
Analysis Duration:	20-06-2023 to 29-06-2023
Sample Collected By:	Daljeet Singh & Team
Visual Observation:	Brown in color

TEST RESULTS

S. No.	Test Parameters	Unit	Results	Test method
1.	pH	--	7.66	IS 2720 (P-26): 1987) (RA-2021)
2.	Conductivity	mS/cm	0.263	IS 14767:2000
3.	Organic Matter	%	1.48	IS: 2720 (Part-22):2001
4.	Arsenic (as As)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
5.	Mercury (as Hg)	mg/Kg	ND (DL-0.2)	USEPA-3050B: 1996
6.	Lead (as Pb)	mg/Kg	2.66	USEPA-3050B: 1996
7.	Chromium (as Cr)	mg/Kg	2.22	USEPA-3050B: 1996
8.	Copper (as Cu)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
9.	Cadmium (as Cd)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996
10.	Zinc (as Zn)	mg/Kg	0.48	USEPA-3050B: 1996
11.	Nickel (as Ni)	mg/Kg	1.74	USEPA-3050B: 1996
12.	Manganese (as Mn)	mg/Kg	1.38	USEPA-3050B: 1996

ND-Not Detected
DL-Detection Limit

(Signature)
(Chemist In-Charge)

Date:

(Signature)
Sital Singh (CEO)

(Authorized Signatory)

Date:

29/06/2023

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 E-mail : cptle126@gmail.com ; lab@cptl.co.in
 Website : www.cptl.co.in



TEST CERTIFICATE

Format No. CPTLF7.8-I(S)

REPORT NO. CPTL/H.P/2023/06/01b(S)

REPORTING DATE: 29-06-2023

NAME OF INDUSTRY: M/s. SHIVALIK SOLID WASTE MANAGEMENT LTD.,
 VILL-MAJRA, P.O.- DABHOTA, TEH.-NALAGARH,
 DISTT.- SOLAN (H.P) 174101.

SAMPLE PARTICULARS

Date of Sample Collected:	20-06-2023
Date of Sample Received:	20-06-2023
Type of Sample:	Soil
Sampling Plan Ref. No.	CPTLF7.3-I
Sampling Method	CPTL/SM/01
Environmental Conditions	Normal
Point of Sample Collection:	Composite Soil Sample Inside Premises
Quantity & Packaging:	1000 gm in plastic bag
Sample Identification No.:	CPTL/(H.P)/2023/06/01(S)
Analysis Duration:	20-06-2023 to 29-06-2023
Sample Collected By:	Daljeet Singh & Team
Visual Observation:	Brown in color

TEST RESULTS

S. No.	Test Parameters	Unit	Results	Test method
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2.	Cyanide (as CN)	mg/Kg	ND (DL-0.5)	USEPA-3050B: 1996

ND-Not Detected
 DL-Detection Limit

(Chemist In-Charge)
 Date: 29/06/2023

Sital Singh (CEO)
 Date: 29/06/2023

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Name of the laboratory collecting the sample : **Chandigarh Pollution Testing Laboratory
E-126, Industrial Area, Phase-VII, Mohali.**

Name & Address of the industry : M/s Shivalk Solid waste management Ltd,
Vill- magra , P.O- Dabhota, Teh -Nalagarh,
Distt. - Solan (H.P)

Name of representative of the Industry present: Mrs. Suman Lata
at the time of Sampling with designation.

GENERAL INFORMATION

Product & by Product : Waste Management

Complete List of raw material used : NA

Manufacturing process involved : NA

Whether all processes were in working at the time of visit. : Yes

SAMPLE COLLECTION DATA OF SOIL

Date & Time of Sample Collection : 20/06/2023, 02:45 pm

Point of Collection : Composite Soil Sample Inside Premises

Depth at which sample is taken : 20 cm.

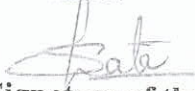
Type & Nature of Sample (Soil/Waste) : Soil

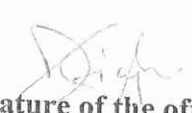
Quantity/ Packing of Sample : 100 gm in Plastic Sealed Bag

Ambient temperature (°C) : 33.4

Parameter to be analyzed : pH, Cond, DM, Al, Hg, Pb, Cr, Cu, Cd, Zn, Ni,
Mn, Colours, Cu

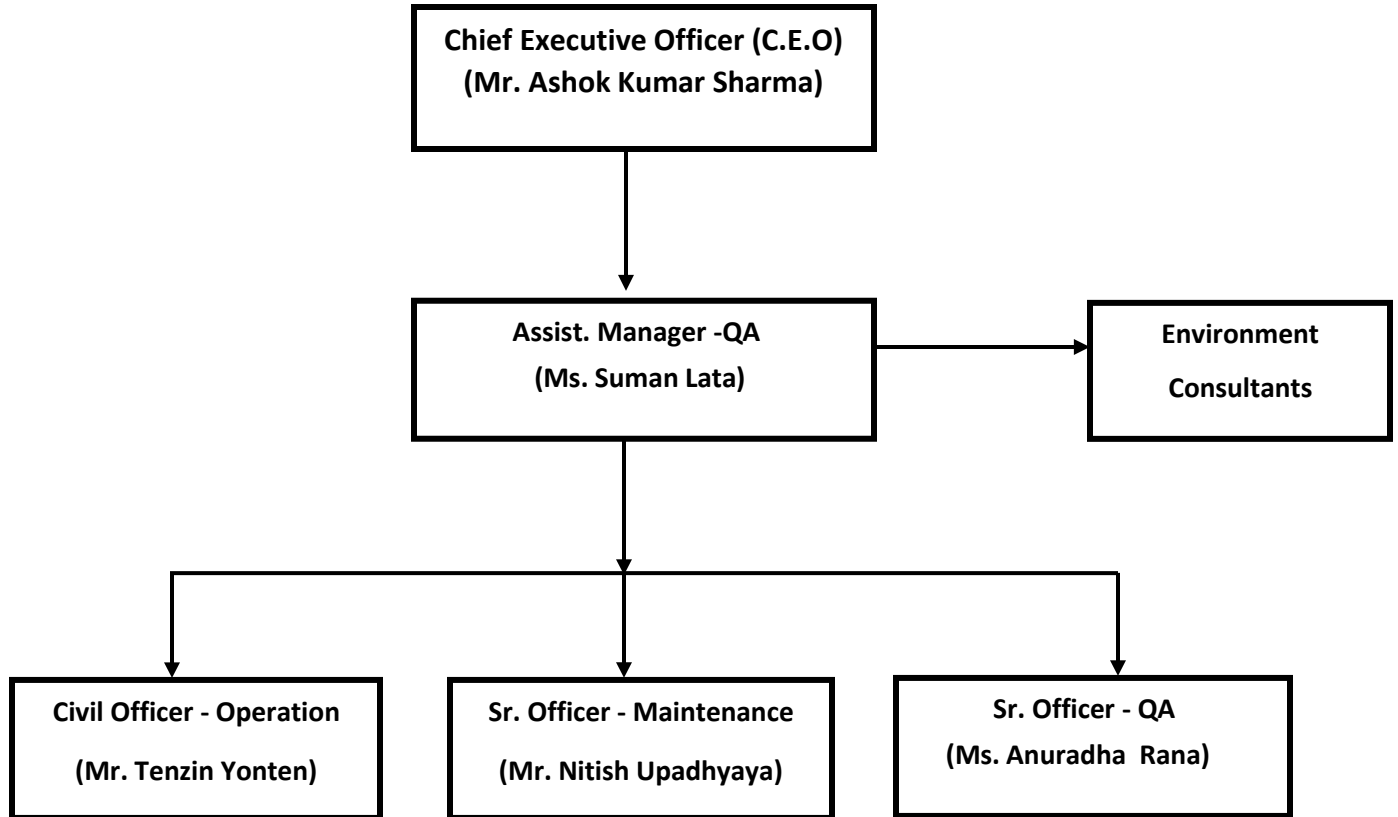
Remarks:


Signature of the Occupier/
Representative of the industry
with designation and seal


Signature of the officer
collecting the sample

Shivalik Solid Waste Management Ltd.

Environment Cell Detail



SHIVALIK SOLID WASTE MANAGEMENT LTD.

Amount spent on Environment Management Plan till date

S. No.	Activities	Actual Amount
1.	Amount spent on medical checkups of workers	Rs. 3,35,000/-
2.	Environment Health & Safety for Workers	Rs. 3,57,085/-
3.	On obtaining the PUC certificate of the vehicles	Rs. 781/-
4.	Provision of portable toilets for workers	Fixed Existing Toilets
5.	Sprinkling of water for dust suppression (Dust Control)	Rs. 26,855/-
6.	On green belt development	Rs. 5,70,000/-
7.	Environment monitoring (External Agency & In-house Laboratory Testing)	External – Rs. 3,40,380/- Inhouse – Rs. 4, 22,520/-



Single Window Clearance System

Directorate of Industries(DOI)
Govt. of Himachal Pradesh

DIRECTORATE OF FIRE SERVICES HIMACHAL PRADESH SHIMLA-2

NO OBJECTION CERTIFICATE

TO WHOM IT MAY CONCERN

That the premises of **SHIVALIK SOLID WASTE MANAGEMENT LIMITED. VILL. MAJRA,P.O, DABHOTA,TEH. NALAGARH, DISTT. SOLAN.H.P.** was inspected on 2022-07-17 with reference to his application No. App/07/21/22/8/144 dated 2022-07-21 12:06:40 by the incharge Fire Station FS Nalagarh with regard to measures adopted for protection against fire and it has been reported/recommended.

That the First Aid Fire Fighting measures adopted by the above applicant at his premises were found satisfactory at the time of inspection. Hence, No Objection Certificate is issued/ renewed for two years w.e.f. **30/08/2022 to 29/08/2024** subject to fulfilment of the following conditions:-

1. That each individual working on the above premises must be trained to handle/operate fire fighting equipment/system installed therein.
2. That it shall be the responsibility of the above named applicant to maintain the fire fighting equipment/system in perfect running condition, failing which this certificate shall be treated as cancelled.
3. Mock Drill shall be conducted in accordance with fire safety plan atleast once in every three months and written record shall be kept in the premises for the inspection of fire services.
4. Good House keeping must be maintained within the premises.


हिमाचल प्रदेश सरकार

Remarks: Adequate Fire precautionary measures be adopted in consultation with local Fire Officer during annual day function or any other function where temporary structures and Pandals are to be erected.

[Digitally Signed 30-08-2022 16:45:27]

Chief Fire Officer.
Himachal Pradesh Shimla-2

Place: Shimla
Dated: 2022-08-30

 SSWML	SHIVALIK SOLID WASTE MANAGEMENT LIMITED	DOC: M-SSWML SECTION: 1 PAGE: 9 of 9 ISSUE: 2.0 DATE: 01.02.18
	INTEGRATED MANAGEMENT SYSTEM MANUAL	

1.6 IMS Policy

A policy has been defined as follows & communicated to all concerned in the organisation at various functions & levels. Awareness & understanding on the policy is generated within the organisation through a wide publicity & training. Policy is available to all relevant interested parties on demand.

INTEGRATED MANAGEMENT SYSTEM POLICY

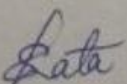
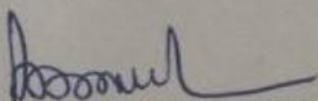
We at Shivalik Solid Waste Management Ltd. are committed to implement ISO 9001, ISO 14001, and ISO 45001 & NABET guidelines as instrument for continual improvement in services leading to stakeholder's satisfaction.

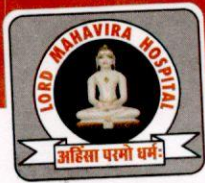
This will be achieved through:

1. Providing Quality services w.r.t. Waste Treatment, Re-processing & Disposal activities, Environment Impact Assessment Studies, Laboratory and Testing Services.
2. Maintaining reliability, integrity, impartiality & efficient services.
3. Ensuring employee's involvement, motivation & training.
4. Provide healthy & safe working conditions to prevent work related injury and ill health to all our associates
5. Eliminate hazards and reduce OH&S risks through consultation and participation of workers protecting them from reprisals when reporting incidents, hazards, risks & opportunities.
6. Protection of environment including Prevention of pollution through control of resource use & releases
7. Fulfill compliance obligations including legal & other requirements related with quality, environment, health & safety.
8. Periodical review by the management.

Place: Nalagarh
Date: 01.02.2018

Ashok Kumar Sharma
Chief Executive Officer

PREPARED BY:  MANAGEMENT REPRESENTATIVE	REVIEWED & APPROVED BY:  CHIEF EXECUTIVE OFFICER
--	--



LORD MAHAVIRA HOSPITAL

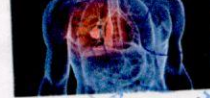
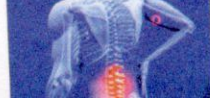
Approved by : ECHS (Ex Servicemen Contributory Health Scheme), ESI, RSBY (BPL), H.P. Govt. Employees & other Insurance TPA Ayushman Bharat & Himacare
Dattowal, Nalagarh - 174 101 (Solani) H.P.

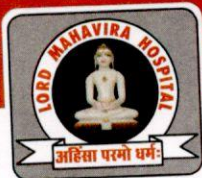
Phone : 01795-220728 | 222838 | Fax : 01795-222838

E-mail : lordmahaviranig@gmail.com

Medical Detail - Feb-2023

SR.NO.	NAME	FATHER'S NAME	AGE	HB (12-16)	TLC (4000-11000)	EYE VISION (6/6)	BP (120/80)	ECG
1	DINESH	S/O SUKHAI RAM	40	NORMAL	NORMAL	NORMAL	130/70	NORMAL
2	SOMPAL	S/O PYARE LAL	36	NORMAL	NORMAL	NORMAL	110/76	NORMAL
3	SUBHASH KUMAR	S/O VEDNATH RAM	25	NORMAL	NORMAL	NORMAL	120/80	NORMAL
4	MANISH KUMAR	S/O SIYA RAM	37	NORMAL	NORMAL	NORMAL	130/70	NORMAL
5	NANEE	S/O RAM CHARAN	36	NORMAL	NORMAL	NORMAL	120/80	NORMAL
6	PRITAM	S/O RAM SAROOP	40	NORMAL	NORMAL	NORMAL	135/70	NORMAL
7	SUCHA RAM	S/OINDER RAM	48	NORMAL	NORMAL	NORMAL	146/72	NORMAL
8	JASVEER SINGH	S/O RAM SARAN	45	NORMAL	NORMAL	NORMAL	110/76	NORMAL
9	SAJJAN SINGH	S/O POLA SINGH	40	NORMAL	NORMAL	NORMAL	140/80	NORMAL
10	GAUTAM KUMAR	S/O BABU SINGH	56	NORMAL	NORMAL	NORMAL	135/70	NORMAL
11	NARAYAN DASS	S/O RAM NATH	36	NORMAL	NORMAL	NORMAL	137/80	NORMAL
12	PAWAN	S/O AJAB NARAYAN SINGH	39	NORMAL	NORMAL	NORMAL	120/80	NORMAL
13	SHIV KUMAR	S/O DEV NATH	44	NORMAL	NORMAL	NORMAL	130/80	NORMAL
14	DHANANJAY SINGH	S/O AMARDEV SINGH	46	NORMAL	NORMAL	NORMAL	138/79	NORMAL
15	RAJ KUMAR SINGH	S/O UDAY SHANKAR SINGH	40	NORMAL	NORMAL	NORMAL	120/70	NORMAL
16	NASIB Chand	S/O HARPAL SINGH	38	NORMAL	NORMAL	NORMAL	90/50	NORMAL
17	HEM RAJ	S/O RAMA NAND	28	NORMAL	NORMAL	NORMAL	110/80	NORMAL
18	ROSHAN	S/O TARU SINGH	42	NORMAL	NORMAL	NORMAL	120/74	NORMAL
19	SURENDER SINGH	S/O KARNAIL SINGH	25	NORMAL	NORMAL	NORMAL	122/80	NORMAL
20	VIVEK KUMAR	S/O BEER BHADUR SINGH	34	NORMAL	NORMAL	NORMAL	110/68	NORMAL
21	AGYA RAM	S/O HARI CHAND	54	NORMAL	NORMAL	NORMAL	114/70	NORMAL
22	SAKINDRA RAM	S/O ANANDI RAM	46	NORMAL	NORMAL	NORMAL	112/64	NORMAL
23	DHARAM PAL	S/O SITA RAM	40	NORMAL	NORMAL	NORMAL	124/70	NORMAL
24	SHRIVAN RAM	S/O SHIVNATH RAM	39	NORMAL	NORMAL	NORMAL	120/82	NORMAL
25	DEV RAJ	S/O DILA RAM	38	NORMAL	NORMAL	NORMAL	130/80	NORMAL
26	AVDESH SINGH	S/O JANG BHADUR	50	NORMAL	NORMAL	NORMAL	124/80	NORMAL
27	CHANDER SEN	S/O CHARANJI LAL	45	NORMAL	NORMAL	NORMAL	130/76	NORMAL
28	CHANDER BOSH	S/O MURARI LAL	44	NORMAL	NORMAL	NORMAL	117/70	NORMAL
29	NACHATAR SINGH	S/O MAHENDER SINGH	47	NORMAL	NORMAL	NORMAL	130/70	NORMAL
30	AKASH	S/O MAHIPAL	20	NORMAL	NORMAL	NORMAL	124/74	NORMAL
31	HARDEEP CHAND	S/O SADH RAM	37	NORMAL	NORMAL	NORMAL	136/84	NORMAL
32	GURMUKH SINGH	S/O BACHNA	40	NORMAL	NORMAL	NORMAL	140/82	NORMAL
33	RONKI RAM	S/O SHADI RAM	48	NORMAL	NORMAL	NORMAL	142/88	NORMAL
34	GULJAR	S/O JBRAHIM	39	NORMAL	NORMAL	NORMAL	136/86	NORMAL
35	SURESH KUMAR	S/O DAMODAR DASS	34	NORMAL	NORMAL	NORMAL	132/72	NORMAL
36	AJAY KUMAR	S/O CHADDER SINGH	28	NORMAL	NORMAL	NORMAL	120/70	NORMAL
37	MUKHTYAR SINGH	S/O SANTOKH SINGH	52	NORMAL	NORMAL	NORMAL	138/78	NORMAL
38	RAKESH	S/O MAHINDER	35	NORMAL	NORMAL	NORMAL	120/70	NORMAL
39	PINKI	S/O LAL CHAND	50	NORMAL	NORMAL	NORMAL	140/84	NORMAL
40	GURPREET SINGH	S/O BHAG SINGH	21	NORMAL	NORMAL	NORMAL	120/82	NORMAL
41	BALDEV KUMAR	S/O LAXMI SINGH	25	NORMAL	NORMAL	NORMAL	124/68	NORMAL
42	MANOJ RAM	S/O JOGINDER RAM	35	NORMAL	NORMAL	NORMAL	130/68	NORMAL
43	HYA LAL	S/O AMIKA RAM	48	NORMAL	NORMAL	NORMAL	126/72	NORMAL
44	RAJ KISHORE	S/O MOHENDERRAM	30	NORMAL	NORMAL	NORMAL	120/76	NORMAL
45	AVTAR SINGH	S/O BALBIR SINGH	38	NORMAL	NORMAL	NORMAL	134/80	NORMAL
46	JITENDER	S/O BABU RAM	31	NORMAL	NORMAL	NORMAL	124/82	NORMAL
47	BALESHWAR THAKUR	S/O MITHUN THAKUR	50	NORMAL	NORMAL	NORMAL	124/80	NORMAL
48	DATTA RAM	S/O PURAN LAL	43	NORMAL	NORMAL	NORMAL	136/86	NORMAL
49	RAMCHANDRA RAM	S/O DASAI RAM	53	NORMAL	NORMAL	NORMAL	140/84	NORMAL
50	DHARAM SINGH	S/O SHYAMLAL	51	NORMAL	NORMAL	NORMAL	138/88	NORMAL





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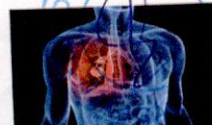
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Dattowal, Nalagarh - 174 101 (Solani) H.P.

Phone : 01795-220728 | 222838 | Fax : 01795-222838

E-mail : lordmahaviranlg@gmail.com

51	BANT SINGH	S/O SHIV RAM	55	NORMAL	NORMAL	NORMAL	142/84	NORMAL
52	G Hassi RAM	S/O LEELA DHAR	54	NORMAL	NORMAL	NORMAL	130/72	NORMAL
53	LAL BIHARI	S/O MANDRIKA ROY ROY	44	NORMAL	NORMAL	NORMAL	120/68	NORMAL
54	AKHILESH KUMAR	S/O AJAB NARAYAN SINGH	28	NORMAL	NORMAL	NORMAL	124/62	NORMAL
55	KIRPAL SINGH	S/O SURJIT SINGH	54	NORMAL	NORMAL	NORMAL	132/80	NORMAL
56	NARESH KUMAR	S/O RAMLOK	29	NORMAL	NORMAL	NORMAL	124/70	NORMAL
57	BHOLA RAM	S/O RAM SAROOP	55	NORMAL	NORMAL	NORMAL	124/76	NORMAL
58	SHAMBHU RAM	S/O PRITAM RAM	50	NORMAL	NORMAL	NORMAL	130/74	NORMAL
59	RAMPAL	S/O RIKHI RAM	48	NORMAL	NORMAL	NORMAL	134/72	NORMAL
60	SANDEEP KUMAR	S/O LALAN RAM	24	NORMAL	NORMAL	NORMAL	112/68	NORMAL
61	SUBHODH RAM	S/O BAINATH RAM	33	NORMAL	NORMAL	NORMAL	120/80	NORMAL
62	SHANKAR RAM	S/O KAILASH RAM	44	NORMAL	NORMAL	NORMAL	130/82	NORMAL
63	PURAN CHAND	S/O HUKAM DASS	42	NORMAL	NORMAL	NORMAL	120/70	NORMAL
64	GURPAL SINGH	S/O BHAG SINGH	26	NORMAL	NORMAL	NORMAL	120/70	NORMAL
65	SHIV KUMAR	S/O NARANJAN DASS	34	NORMAL	NORMAL	NORMAL	130/80	NORMAL
66	SANDEEP SINGH	S/O NIRMAL SINGH	25	NORMAL	NORMAL	NORMAL	110/70	NORMAL
67	CHETAN SINGH	S/O CHANAN SINGH	37	NORMAL	NORMAL	NORMAL	120/80	NORMAL
68	RAJIV RAM	S/O LANAN RAM	28	NORMAL	NORMAL	NORMAL	130/80	NORMAL
69	MOHAN KUMAR	S/O MAHESHHWAR SINGH	29	NORMAL	NORMAL	NORMAL	100/60	NORMAL
70	MAHIPAL	S/O JHUNA LAL	51	NORMAL	NORMAL	NORMAL	110/70	NORMAL
71	AKHILESH KUMAR	S/O FUDENI RAM	28	NORMAL	NORMAL	NORMAL	120/70	NORMAL
72	RAVINDER SINGH	S/O JAJJ	31	NORMAL	NORMAL	NORMAL	110/70	NORMAL
73	GORI SHANKAR	S/O DHANGOVIND	45	NORMAL	NORMAL	NORMAL	130/80	NORMAL
74	BALBINDER SINGH	S/O SANTOSH SINGH	52	NORMAL	NORMAL	NORMAL	140/80	NORMAL
75	KARAMJIT	S/O CHINT RAM	50	NORMAL	NORMAL	NORMAL	120/70	NORMAL
76	KALWINDER	S/O RAMADRA	45	NORMAL	NORMAL	NORMAL	120/90	NORMAL
77	PURAN CHAND	S/O KHEM SINGH	32	NORMAL	NORMAL	NORMAL	110/70	NORMAL
78	AMARJEET KUMAR	S/O SHABHU RAM	20	NORMAL	NORMAL	NORMAL	110/70	NORMAL
79	BHAJAN SINGH	S/O BHAGAT SINGH	59	NORMAL	NORMAL	NORMAL	130/70	NORMAL
80	NARESH KUMAR	S/O LAJJA RAM	35	NORMAL	NORMAL	NORMAL	136/70	NORMAL
81	RAM GOPAL	S/O RAMA	59	NORMAL	NORMAL	NORMAL	120/80	NORMAL
82	SOMNATH	S/O CHARAN SINGH	41	NORMAL	NORMAL	NORMAL	140/80	NORMAL
83	SUKHWINDER KUMAR	S/O LAXMAN DASS	52	NORMAL	NORMAL	NORMAL	120/80	NORMAL
84	GURNAM SINGH	S/O NIRMAL SINGH	42	NORMAL	NORMAL	NORMAL	110/70	NORMAL
85	GURMUKH SINGH	S/O TARU SINGH	38	NORMAL	NORMAL	NORMAL	130/70	NORMAL
86	SHYAM LAL	S/O DEV RAJ	39	NORMAL	NORMAL	NORMAL	110/60	NORMAL
87	NAREINDER SINGH	S/O JASPAL SINGH	31	NORMAL	NORMAL	NORMAL	130/80	NORMAL
88	BHAG SINGH	S/O MAHENDER SINGH	42	NORMAL	NORMAL	NORMAL	140/80	NORMAL
89	TARSEM LAL	S/O KRISHAN LAL	40	NORMAL	NORMAL	NORMAL	130/70	NORMAL
90	ASHOK KUMAR	S/O DHARAM CHAND	44	NORMAL	NORMAL	NORMAL	120/78	NORMAL
91	AMIT KUMAR	S/O DATTA RAM	36	NORMAL	NORMAL	NORMAL	130/80	NORMAL
92	ASHNI KUMAR	S/O PRAKASH CHAND	33	NORMAL	NORMAL	NORMAL	110/70	NORMAL
93	KESAR SINGH	S/O RAM SINGH	57	NORMAL	NORMAL	NORMAL	118/80	NORMAL
94	GURCHARAN SINGH	S/O JEET SINGH	23	NORMAL	NORMAL	NORMAL	110/70	NORMAL
95	GURNAM SINGH	S/O HARPAL SINGH	24	NORMAL	NORMAL	NORMAL	110/60	NORMAL
96	JAGTAR SINGH	S/O CHINT RAM	44	NORMAL	NORMAL	NORMAL	100/60	NORMAL





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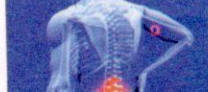
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Dattowal, Nalagarh - 174 101 (Solan) H.P.

Phone : 01795-220728 | 222838 | Fax : 01795-222838

E-mail : lordmahaviranlg@gmail.com

SR.NO.	NAME	FATHER'S NAME	AGE	HB(HAEM OGLOBIN)	TLC	EYE VISION	BP	ECG
1	JAGTAR SINGH	S/O SHER SINGH	36	NORMAL	NORMAL	NORMAL	128/90	NORMAL
2	HARJEET SINGH	S/O GURBAKSH SINGH	41	NORMAL	NORMAL	NORMAL	138/90	NORMAL
3	GURDEV SINGH	S/O RIKHI RAM	47	NORMAL	NORMAL	NORMAL	128/85	NORMAL
4	GAMOSHER SINGH	S/O BHAGWAN DASS	56	NORMAL	NORMAL	NORMAL	130/70	NORMAL
5	RANDEEP SINGH	S/O JASPAL SINGH	40	NORMAL	NORMAL	NORMAL	141/82	NORMAL
6	BALDEV SINGH	S/O CHIDUA RAM	45	NORMAL	NORMAL	NORMAL	144/86	NORMAL
7	GURDEV SINGH	S/O GEETA RAM	52	NORMAL	NORMAL	NORMAL	118/86	NORMAL
8	JARNAIL SINGH	S/O KULDEEP SINGH	32	NORMAL	NORMAL	NORMAL	136/96	NORMAL
9	LABH SINGH	S/O LEKH RAM	54	NORMAL	NORMAL	NORMAL	129/93	NORMAL
10	HARDAYAL SINGH	S/O RIKHI RAM	35	NORMAL	NORMAL	NORMAL	136/96	NORMAL
11	AMRIT LAL	S/O MAAN SINGH	34	NORMAL	NORMAL	NORMAL	130/80	NORMAL
12	DEVI DASS	S/O BACHNA	51	NORMAL	NORMAL	NORMAL	100/60	NORMAL
13	JASPAL SINGH	S/O BAGGA RAM	44	NORMAL	NORMAL	NORMAL	118/84	NORMAL
14	GURDEV SINGH	S/O DAULAT RAM	44	NORMAL	NORMAL	NORMAL	118/70	NORMAL
15	AMAN DEEP SINGH	S/O JAGTAR SINGH	31	NORMAL	NORMAL	NORMAL	128/90	NORMAL
16	DHARMENDER SINGH	S/O AMAR SINGH	23	NORMAL	NORMAL	NORMAL	138/90	NORMAL
17	SULAKHAN SINGH	S/O HAMEER CHAND	37	NORMAL	NORMAL	NORMAL	137/93	NORMAL
SR.NO.	NAME	FATHER'S NAME	AGE	HB(HAEM OGLOBIN)	TLC	EYE VISION	BP	ECG
				(12-16)	(4000-11000)	(6/6)	(120/80)	
1	LAKSHMI	W/O RAKESH KUMAR	33	NORMAL	NORMAL	NORMAL	120/78	NORMAL
2	NAVEEN KUMAR	S/O JAGDISH KUMAR	26	NORMAL	NORMAL	NORMAL	121/67	NORMAL





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Dattowal, Nalagarh - 174 101 (Solon) H.P.

Phone : 01795-220728 | 222838 | Fax : 01795-222838

E-mail : lordmahaviranlg@gmail.com

SR.NO	NAME	FATHER'S NAME	AGE	SUGER (110-140)	X-RAY	CHOLESTEROL (150-200)	OT	PT	URINE
1	DINESH	S/O SUKHAI RAM	40	120	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
2	SOMPAL	S/O PYARE LAL	36	118	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
3	SUBHASH KUMAR	S/O VEDNATH RAM	25	87	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
4	MANISH KUMAR	S/O SIYA RAM	37	111	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
5	NANEE	S/O RAM CHARAN	36	96	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
6	PRITAM	S/O RAM SAROOP	40	138	NORMAL	209.13	48.06	42.02	NORMAL
7	SUCHA RAM	S/OINDER RAM	48	130	NORMAL	NORMAL	48.87	44.6	NORMAL
8	JASVEER SINGH	S/O RAM SARAN	45	120	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
9	SAJJAN SINGH	S/O POLA SINGH	40	120	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
10	GAUTAM KUMAR	S/O BABU SINGH	56	149	NORMAL	NORMAL	49.89	46.02	NORMAL
11	NARAYAN DASS	S/O RAM NATH	36	131	NORMAL	217	50.04	47.21	NORMAL
12	PAWAN	S/O AJAB NARAYAN SINGH	39	98	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
13	SHIV KUMAR	S/O DEV NATH	44	123	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
14	DHANANJAY SINGH	S/O AMARDEV SINGH	46	104	NORMAL	NORMAL	46.62	41.14	NORMAL
15	RAJ KUMAR SINGH	S/O UDAY SHANKAR SINGH	40	98	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
16	NASIB Chand	S/O HARPAL SINGH	38	128	NORMAL	213.5	NORMAL	NORMAL	NORMAL
17	HEM RAJ	S/O RAMA NAND	28	123	NORMAL	NORMAL	44.16	NORMAL	NORMAL
18	ROSHAN	S/O TARU SINGH	42	141	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
19	SURENDER SINGH	S/O KARNAIL SINGH	25	91	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
20	VIVEK KUMAR	S/O BEER BAHADUR SINGH	34	112	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
21	AGYA RAM	S/O HARI CHAND	54	148	NORMAL	NORMAL	42.09	NORMAL	NORMAL
22	SAKINDRA RAM	S/O ANANDI RAM	46	114	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
23	DHARAM PAL	S/O SITA RAM	40	130	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
24	SHRIVAN RAM	S/O SHIVNATH RAM	39	121	NORMAL	216	51.34	48.45	APPEARANCE - TURBID, ALBUMIN TRACE
25	DEV RAJ	S/O DILA RAM	38	108	NORMAL	NORMAL	44.01	NORMAL	NORMAL
26	AVDESH SINGH	S/O JANG BAHADUR	50	139	NORMAL	NORMAL	59.88	62.74	NORMAL
27	CHANDER SEN	S/O CHARANJI LAL	45	98	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
28	CHANDER BOSH	S/O MURARI LAL	44	104	NORMAL	NORMAL	47.16	NORMAL	NORMAL
29	NACHATAR SINGH	S/O MAHENDER SINGH	47	133	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
30	AKASH	S/O MAHIPAL	20	101	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
31	HARDEEP CHAND	S/O SADH RAM	37	103	NORMAL	NORMAL	55.45	47.21	NORMAL
32	GURMUKH SINGH	S/O BACHNA	40	100	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
33	RONKI RAM	S/O SHADI RAM	48	112	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
34	GULJAR	S/O JBRAHIM	39	114	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
35	SURESH KUMAR	S/O DAMODAR DASS	34	130	NORMAL	NORMAL	46.01	42.62	COLOUR - L. YELLOW
36	AJAY KUMAR	S/O CHADDER SINGH	28	85	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
37	MUKHTYAR SINGH	S/O SANTOKH SINGH	52	104	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
38	RAKESH	S/O MAHINDER	35	120	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
39	PINKI	S/O LAL CHAND	50	99	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
40	GURPREET SINGH	S/O BHAG SINGH	21	133	NORMAL	NORMAL	45.91	NORMAL	NORMAL
41	BALDEV KUMAR	S/O LAXMI SINGH	25	87	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
42	MANOJ RAM	S/O JOGINDER RAM	35	101	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
43	JIYA LAL	S/O AMIKA RAM	48	130	NORMAL	205.02	NORMAL	NORMAL	NORMAL
44	RAJ KISHORE	S/O MOHENDERRAM	30	91	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
45	AVTAR SINGH	S/O BALBIR SINGH	38	133	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
46	JITENDER	S/O BABU RAM	31	98	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
47	BALESHWAR THAKUR	S/O MITHUN THAKUR	50	108	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
48	DATTA RAM	S/O PURAN LAL	43	138	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
49	RAMCHANDRA RAM	S/O DASAI RAM	53	129	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
50	DHARAM SINGH	S/O SHYAMLAL	51	144	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL





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Dattowal, Nalagarh - 174 101 (Solon) H.P.

Phone : 01795-220728 | 222838 | Fax : 01795-222838

E-mail : lordmahaviranlg@gmail.com

51	BANT SINGH	S/O SHIV RAM	55	128	NORMAL	NORMAL	45.2	NORMAL	NORMAL
52	GHASSI RAM	S/O LEELA DHAR	54	121	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
53	LAL BIHARI	S/O MANDRIKA ROY ROY	44	120	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
54	AKHILESH KUMAR	S/O AJAB NARAYAN SINGH	28	132	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
55	KIRPAL SINGH	S/O SURJIT SINGH	54	122	NORMAL	NORMAL	47.11	43.09	NORMAL
56	NARESH KUMAR	S/O RAMLOK	29	130	NORMAL	210.02	NORMAL	NORMAL	NORMAL
57	BHOLA RAM	S/O RAM SAROOP	55	132	NORMAL	213	NORMAL	NORMAL	NORMAL
58	SHAMBHU RAM	S/O PRITAM RAM	50	133	NORMAL	209.7	NORMAL	NORMAL	NORMAL
59	RAMPAL	S/O RIKHI RAM	48	128	NORMAL	NORMAL	44.38	NORMAL	NORMAL
60	SANDEEP KUMAR	S/O LALAN RAM	24	118	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
61	SUBHODH RAM	S/O BAINATH RAM	33	124	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
62	SHANKAR RAM	S/O KAILASH RAM	44	130	NORMAL	213.5	NORMAL	NORMAL	NORMAL
63	PURAN CHAND	S/O HUKAM DASS	42	133	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
64	GURPAL SINGH	S/O BHAG SINGH	26	121	NORMAL	NORMAL	48.15	49.11	NORMAL
65	SHIV KUMAR	S/O NARANJAN DASS	34	134	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
66	SANDEEP SINGH	S/O NIRMAL SINGH	25	131	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
67	CHETAN SINGH	S/O CHANAN SINGH	37	124	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
68	RAJIV RAM	S/O LANAN RAM	28	135	NORMAL	NORMAL	46.15	42.11	NORMAL
69	MOHAN KUMAR	S/O MAHESHHWAR SINGH	29	135	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
70	MAHIPAL	S/O JHUNA LAL	51	129	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
71	AKHILESH KUMAR	S/O FUDENI RAM	28	120	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
72	RAVINDER SINGH	S/O JAJJ	31	129	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
73	GORI SHANKAR	S/O DHANGOVIND	45	131	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
74	BALBINDER SINGH	S/O SANTOSH SINGH	52	132	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
75	KARAMJIT	S/O CHINT RAM	50	121	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
76	KALWINDER	S/O RAMADRA	45	141	NORMAL	NORMAL	50.34	47.45	NORMAL
77	PURAN CHAND	S/O KHEM SINGH	32	121	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
78	AMARJEET KUMAR	S/O SHABHU RAM	20	83	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
79	BHAJAN SINGH	S/O BHAGAT SINGH	59	108	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
80	NARESH KUMAR	S/O LAJJA RAM	35	154	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
81	RAM GOPAL	S/O RAMA	59	98	NORMAL	NORMAL	NORMAL	NORMAL	APPEARANCE - TURBID ALBUMIN - TRACE
82	SOMNATH	S/O CHARAN SINGH	41	158	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
83	SUKHWINDER KUMAR	S/O LAXMAN DASS	52	133	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
84	GURNAM SINGH	S/O NIRMAL SINGH	42	129	NORMAL	NORMAL	51.45	48.21	NORMAL
85	GURMUKH SINGH	S/O TARU SINGH	38	112	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
86	SHYAM LAL	S/O DEV RAJ	39	114	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
87	NAREINDER SINGH	S/O JASPAL SINGH	31	108	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
88	BHAG SINGH	S/O MAHENDER SINGH	42	198	NORMAL	NORMAL	NORMAL	NORMAL	APPEARANCE - TURBID SUGAR - + COLOUR - PALE YELLOW, A-TRACE
89	TARSEM LAL	S/O KRISHAN LAL	40	130	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
90	ASHOK KUMAR	S/O DHARAM CHAND	44	129	NORMAL	NORMAL	49.18	46.15	NORMAL
91	AMIT KUMAR	S/O DATTA RAM	36	138	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
92	ASHNI KUMAR	S/O PRAKASH CHAND	33	133	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
93	KESAR SINGH	S/O RAM SINGH	57	133	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
94	GURCHARAN SINGH	S/O JEET SINGH	23	128	NORMAL	210.2	45.12	41.14	NORMAL
95	GURNAM SINGH	S/O HARPAL SINGH	24	131	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
96	JAGTAR SINGH	S/O CHINT RAM	44	138	NORMAL	NORMAL	47.16	43.13	NORMAL





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Phone : 01795-220728 | 222838 | Fax : 01795-222838

E-mail : lordmahaviranlg@gmail.com

SR.NO	NAME	FATHER'S NAME	AGE	SUGER	X-RAY	CHOLESTEROL	OT	PT	URINE
1	JAGTAR SINGH	S/O SHER SINGH	36	108	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
2	HARJEET SINGH	S/O GURBAKSH SINGH	41	132	NORMAL	NORMAL	47.18	43.13	NORMAL
3	GURDEV SINGH	S/O RIKHI RAM	47	137	NORMAL	NORMAL	212	NORMAL	NORMAL
4	GAMOSHER SINGH	S/O BHAGWAN DASS	56	133	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
5	RANDEEP SINGH	S/O JASPAL SINGH	40	121	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
6	BALDEV SINGH	S/O CHIDUA RAM	45	115	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
7	GURDEV SINGH	S/O GEETA RAM	52	139	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
8	JARNAIL SINGH	S/O KULDEEP SINGH	32	99	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
9	LABH SINGH	S/O LEKH RAM	54	120	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
10	HARDAYAL SINGH	S/O RIKHI RAM	35	114	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
11	AMRIT LAL	S/O MAAN SINGH	34	128	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
12	DEVI DASS	S/O BACHNA	51	122	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
13	JASPAL SINGH	S/O BAGGA RAM	44	128	NORMAL	NORMAL	46.15	42.11	NORMAL
14	GURDEV SINGH	S/O DAULAT RAM	44	135	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
15	AMAN DEEP SINGH	S/O JAGTAR SINGH	31	126	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
16	DHARMENDER SINGH	S/O AMAR SINGH	23	129	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
17	SULAKHAN SINGH	S/O HAMEER CHAND	37	130	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
SR.NO	NAME	FATHER'S NAME	AGE	SUGER	X-RAY	CHOLESTEROL	OT	PT	URINE
				(110-140)		(150-200)			
1	LAKSHMI	W/O RAKESH KUMAR	33	101	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
2	NAVEEN KUMAR	S/O JAGDISH KUMAR	26	86	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL





SHIVALIK SOLID WASTE MANAGEMENT LIMITED

DOC: W-E10-07
PAGE: 1 of 1
ISSUE: 1.6
DATE: 14.06.2021
APP. BY :

PPE MATRIX

Activity	Helmet	Safety Shoes	Goggles	Face Shield (Welding)	Disposable mask	Apron/Go wning	Full Body suit	Gum Boot	Gloves		
	Head Injury	Foot Injury	Eye Protection	Welding	Dust	Body Protection from Chemical	Body Protection from Chemical	Leg Protection	Rubber	Cotton	Surgical Gloves
									Acids/ Alkali	Hot Surface	Lab, Finish Goods
Sampling	√	√	√	-	√	√	-	-	√	-	-
Testing	-	-	√	-	√	√	-	-	-	-	√
Glass Ware Washing	-	-	-	-	√	√	-	-	√	-	-
Un-loading		√	√	-	√	-	√	√	√	-	-
Treatment & Mixing	√	-	√	-	√	√	√	√	√	-	-
Filling & Packing of waste material for coprocessing	√	-	√	-	√	√	√	√	Anti cut gloves	-	-
Disposal	√	√	√	-	√	-	√	-	√	-	-
Civil construction	√	√		√	√	-	-	-	-	-	-
Drum & Fuel tank cleaning	√	√	√	-	√	-	√	√	√	-	-
Drum Cutting	√	√	√	-	√	√	-	-	Heavy Duty Gloves	-	-
Liquid waste hadling	-	-	√	-	√	-	-	-	-	-	-
Transportation of waste		√	-	-	√	-	-	-	-	-	-
Maintenance	√	√	√	√	√					√	-

Housekeeping & sanitation	-		-	-	√	-	-	√	√	-	-
Horticulture	-		-	-	-	-	-	√	-	-	-
CFL Cutting	-	-	√	-	√	-	-	-	-	-	-
Microbial Teasting	Hair net	-	-	-	√	√	-	-	-	-	√
Vehicle washing		-	√	-	√	-	-	-	√	-	-
Febrication Work	Welding helmet with face shield	√	√	√	√	Welding apron	-	-	Welding Gloves	-	-

[See rules 115 (2)]

Pollution Under Control Certificate

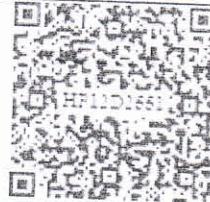
Authorised By :

Government of Himachal Pradesh

Date : 09/03/2023

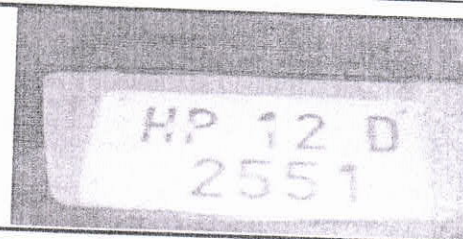
Time : 09:44:57 AM

Validity upto : 08/09/2023



Certificate SL. No. : HP09300150000678
 Registration No. : HP12D2551
 Date of Registration : 26/May/2010
 Month & Year of Manufacturing : April-2010
 Valid Mobile Number : *****4471
 Emission Norms : EURO 1
 Fuel : DIESEL
 PUC Code : HP0930015
 CHASSIN :
 Fees : Rs.60.00
 MIL observation : (GST to be paid extra as applicable)
 No

Vehicle Photo with Registration plate
 60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	1.11

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

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

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

[See rules 115 (2)]

Pollution Under Control Certificate

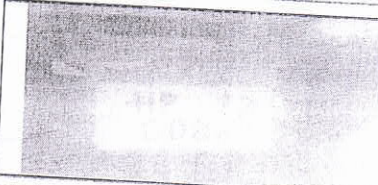
Authorised By :
Government of Himachal Pradesh

Date : 15/03/2023
Time : 17:46:17 PM
Validity upto : 14/09/2023



Certificate SL. No.	:	HP09300110010345
Registration No.	:	HP12C0842
Date of Registration	:	30/Jan/2007
Month & Year of Manufacturing	:	May-2007
Valid Mobile Number	:	*****6125
Emission Norms	:	BHARAT STAGE III
Fuel	:	DIESEL
PUC Code	:	HP0930011
Chassis No.	:	
Fees	:	Rs.60.00
MIL observation	:	(GST to be paid extra as applicable) No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.81

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

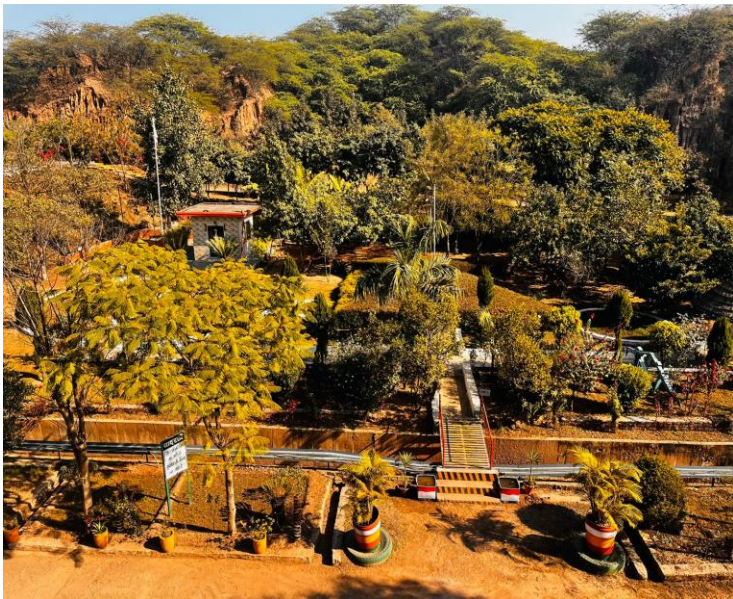
Note: 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

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

Signature Shop
M. S. S. Society Ltd.
Jalandhar, Punjab (N.P.)

Site Photographs TSDF SSWML Nalagarh :



















FORM-6
(See Rule 25 (2))

**CERTIFICATE OF REGISTRATION OF THE GROUND WATER SOURCE
THE HIMACHAL PRADESH GROUND WATER AUTHORITY SHIMLA**

Certified that the GROUND WATER SOURCE known as Existing 01 No. Tubewell located at Latitude N 31°04'29.24" Longitude 76°37'55.66" in area Mauza/ Khata No. 284, Khatoni No. 412 - 427, Khasra No. 1437/1, in Vill. Majra, PO. Dabhota, Tehsil Nalagarh, Distt. Solan (HP) and the water extracted there from is being used for the purpose of Industrial use is registered with this Authority in favour of M/S Shivalik Solid Waste Mangement Ltd., Village Majra, PO. Dabhota, Tehsil Nalagarh, Distt. Solan (HP) vide REGISTRATION NO. HPGWA-EU/470 of 2020-21 subject to the following terms and conditions:-


- The applicant is allowed to extract maximum 15,000 ltrs/day of ground water from above mentioned well.
- The applicant shall construct a rainwater harvesting structure for the conservation and re-charge of ground water in his/her/their premises as per section-15 of the Himachal Pradesh Ground Water (Regulation and Control of Development and Management) Act, 2005 within six months of issuance of this **CERTIFICATE OF REGISTRATION** and intimation will be given to the **EXECUTIVE ENGINEER, JSV DIVISION, NALAGARH** on its completion.
- The applicant shall install a water meter on the ground water extraction pipe so as to check the water drawl at any time and will maintain its log book.
- The applicant shall have to pay royalty through **EXECUTIVE ENGINEER, JSV DIVISION NALAGARH** for the use of ground water to the **MEMBER SECRETARY, HIMACHAL PRADESH GROUND WATER AUTHORITY** as per the Himachal Pradesh Ground Water (Regulation and Control of Development and Management) Rules 2007 or the rules which may, subsequently, be made applicable by the State of HP.
- In case of Industrial connection, the firm shall not use waste water of the Industry for recharging of Ground Water.
- That the permission/sanction can be withdrawn or the quantity of water to be extracted can be restricted in case the ground water in the area is adversely affected in terms of quantity and/or quality.

The holder of the registration of certificate shall be duly bound to maintain the aforementioned source in an efficient, coordinated and economical manner and to use the water for the purpose for which certificate of registration has been given. The applicant shall abide by all provisions contained in the Himachal Pradesh Ground Water (Regulation and Control of Development and Management) Act- 2005 (Act No. 31 of 2005) and the rules framed there under, and the conditions of the registration certificate issued or specified by this Authority failing which the Authority shall have the full powers to withdraw the registration and the amount deposited as registration fee and royalty charges shall be forfeited.

Given under the seal of Himachal Pradesh Ground Water Authority.

Place : Shimla
Dated : 21.09.2020.




Member Secretary (HPGWA)
Member Secretary,
H.P. Ground Water Authority,
Jal Shakti Bhawan, Shimla-5

TO WHOM IT MAY CONCERN

It is certified that the Extended load to M/S Shivalik Solid Manegment Ltd at village Majhra P.O Daobhota Teh. Nalagarh Distt Solan (H.P.) has released vide SJO 13770 dt 21.4.17 from connected load 224.55 KW to 373.855 KW & Contact Demand from 170 KVA to 188 KVA 11 KV against Account No LSDT6/09 LS

Assistant Engineer,
Electrical Sub Division NO.II,
HPSEBL, Nalagarh

No. HPSEB/ESDNI/C-CASE/20017-18-

Dated:

Copy to M's Shivalik Solid Manegment Ltd at village Majhra Nalagarh Distt Solan (H.P.)

Assistant Engineer,
Electrical Sub Division NO.II,
HPSEBL, Nalagarh

सार्वजनिक सूचना

सूचित किया जाता है कि शिवालिक सोलिड वेस्ट मैनेजमेंट, गाँव (मौजा) माजरा, डाकघर दभोटा, तहसील नालागढ़, जिला सोलन, हिमाचल प्रदेश को पर्यावरण वन और जलवायु परिवर्तन मंत्रालय नई दिल्ली से पर्यावरणीय स्वीकृति मिल चुकी है। यह स्वीकृति मंत्रालय के EC पहचान संख्या EC22A032HP155908, फाइल संख्या 21.112/2021-IA-III, दिनांक 25.3.2022 को प्रदान किया गया है। मंजूरी पत्रों की प्रतियां पर्यावरण और वन मंत्रालय के पास उपलब्ध हैं और उनकी वेबसाइट <https://parivesh.nic.in> पर भी देखी जा सकती हैं।

PUBLIC NOTICE

M/s Shivalik Solid Waste Management Limited is pleased to inform that the "Capacity Enhancement of Secured Land fill Facility (SLF) from 10 Lac MT to 20 Lac MT at Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF)" at Dabhota, Nalagarh, Solan (HP) has been accorded with Environmental Clearance vide **EC Identification No. EC22A032HP155908, File No. 21-112/2021-JA-III**, on dated 25-3-2022 from Ministry of Environment, Forests and Climate Change, Govt. of India. The copies of the clearance letters are available with the Ministry of Environment & Forests and can also be seen on their website <https://parivesh.nic.in>

M/s Shivalik Solid Waste Management Limited

CER Activities completed

Description	Area
2 Nos. Computers, One printer at Majra School	Solan, Himachal Pradesh

Expenditure (Lacs)	No. of Beneficiaries
1.00	120