

SIX MONTHLY COMPLIANCE OF EC FOR THE MONTH OCTOBER 2021 TO MARCH 2022

Reference: File No. 21-40/2021-IA-III

Details of Common Hazardous Waste Treatment, Storage and Disposal Facility with Hazardous Incineration Facility are as given below:

S. No.	Description	Total Capacity as per EC
1.	Integrated Common Hazardous Waste Treatment, Storage and Disposal Facility	3,30,750 MT Capacity (47,250 MTPA), 270 Days of operation, Daily Waste Receipt: 175 MT per Day capacity, Monthly Landfillable Capacity: 5250 MT per Month.
2.	Hazardous Waste Incineration	Total- 1500 kgs per Hr. (Liquid + Solid Incinerable Waste) 5.5-6.0 Million K Cal/hr. (10,850 MTPA), 310 Days of operation, Daily Waste Receipt- 35 Tonnes per day capacity, Monthly Incineration Capacity - 1050 MT per month, High TDS Water for quenching in Incinerator- 80 KLD.

Sr. No.	Specific Conditions	Compliance Report
1	This has reference to your Application/Proposal No. IA/GJ/MIS/147896/2020; received on 26th April, 2021 through Parivesh Portal for Environmental Clearance (EC) for Integrated Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF & Incineration) at Survey No. 283, Village Surai, Tehsil Chotila, Dist. Surendranagar, Gujarat by M/S Varni Enviro Care Pvt. Ltd.	Noted.
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 'A' 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, and requires appraisal at Central level by sectoral EAC.	Noted.
3	Accordingly, the above mentioned proposal for Environmental Clearance has been examined by the Expert Appraisal Committee (Infra-2) in its 65 th meeting held during 27-28 May, 2021.	Noted.
4	The details of the project, as per the application and documents submitted by the project proponent, and also as informed during the abovementioned meeting of EAC (Infra-2) are as under: i. The project is located at Survey No. 283, Village Surai, Tehsil Chotila, Dist. Surendranagar, Gujarat with coordinates 22 0 19' 56.12"N Latitude and 71 0 16' 27.34"E Longitude. ii. The project is new (Greenfield Project). iii. The proposed project is an Integrated Common Hazardous Waste Treatment, Storage and Disposal Facility along with Incineration. The site has been selected based on Site Evaluation Criteria as per CPCB Guidelines for TSDF siting. The project details are as follows:	Noted.

Sr. No.	Description/ Facility	Capacity
1	Secured Landfill (Direct Landfill and Landfill with treatment)	3,30,750 MT Capacity (47,250 MTPA), 270 Days of operation, Daily Waste Receipt: 175 MT per Day capacity, Monthly Landfillable Capacity: 5250 MT per Month.
2	Hazardous Waste Incineration	Total- 1500 kgs per Hr. (Liquid + Solid Incinerable Waste) 5.5-6.0 Million K Cal/hr. (10,850 MTPA), 310 Days of operation, Daily Waste Receipt- 35 Tonnes per day capacity, Monthly Incineration Capacity- 1050 MT per month, High TDS Water for quenching in Incinerator- 80 KLD.

iv. The EIA Report has been prepared as per the Terms of References (TORs) issued by MoEF&CC, vide their Letter Ref: No. 10-30/2020-IAIII dated 26.05.2020 and TOR Amendment issued vide letter No. 1030/2020-IA-III dated 12.03.2021. Baseline study was carried out during December 2019- March 2020.

v. The total plot area is 64,750 sqm. The area statement is given as follows:

Area Statement of the Site			
Sr. No.	Description	Areas (m)	Area(%)
1	Total Area for incineration	5187	8
2	Total area for TSDF	25840	40
3	Green belt	21405	33
4	Roads	9660	14.8
5	Storm Water Drain	2236	3.5
6	Open Space	422	0.7
	Grand Total of Plot Area	64750	100.0

vi. Total 158 KID of fresh water will be required for domestic purpose, use in Incineration Plant including TSDF Site. Fresh water will be sourced from bore-well for which ground water withdrawal approval has been obtained from CGWA. The total waste water generation (domestic sewage, scrubber, other washings and leachates) from the proposed project is 55 KLD, which will be treated in proposed ETP (design capacity of 100 KID) followed by reuse for quenching in incinerator. Leachate generation from TSDF is estimated 45 KID which will also be treated in the same ETP and reused for quenching in incinerator. The waste water treatment system is a Zero Liquid Discharge system and treated water will be completely reused back for plant purposes. Water consumption and wastewater generation details are given as follows:

Sr. No.	Description	Water Consumption in KLD	Wastewater Generation in KLD	Remarks
1.	Domestic	5	4	To ETP for treatment along with other industrial waste water.
2.	Inlet Head and Jacket Cooling	18	0	18KLD is the makeup water in the recirculation system of Jacket Cooling to make up the evaporation loss.

3.	Ash cooling	6	0	Evaporation due to cooling of ash.
4.	Forced Evaporation System — Quenching in Incineration plant	9	0	Total water evaporation in quenching is estimated to 144 KID; which is made up with 55 KID of recycled water from ETP and 80 KLD of High TDS water taken from member units and 9 KLD of fresh water makeu
5.	Scrubber blowdown	60	36	To ETP for treatment
6.	Truck / Floor Washin	15	15	To ETP for treatment
7.	Gardenin	40	0	Utilized in green belt
8.	Reagent Preparation	5	0	
Total		158	55	55 KLD to ETP (design capacity of 100 KLD) followed by Forced Evaporation System.

vii. Domestic solid waste such as paper & food waste will be sent to approved MSW Facility/ recycler. Small amount of E-waste and scrap will be sent to approved recycler. ETP sludge will be disposed within the site (own TSDF facility).

S. No.	Type of Waste	Category of Waste	Generation (Quantity)	Method of storage	Method of Treatment	Handling and Mode of Disposal
1	Used/ Waste/ Spent Oil	5.1	3 TPA	Drum	Treatment in Incinerator	Will be disposed of within the premises
2	Bags/ Drums/ Barrels	33.1	500 Nos./ Day	Impervious Storage Area	Contamination at site	Sale to Authorized Recyclers
3	Incineration Ash	37.2	450 kg per hr x 24 x310 operation =3348. say 3400 MTPA		Ash cooling	Will be disposed in own Secured Landfill
4	ETP Sludge	35.3	50 kgs per day x 360 days = 18 MTPA	HDPE	Dewatering	Will be disposed in own Secured Landfill

viii. The incineration facility will be equipped with an adequate Air pollution control system (Quenching/ Spray Dryer/ Forced. Evaporation System) to control release of pollutants in the environment. Regular monitoring of Dioxin and Furans shall be done to limit its emissions.

ix. Power requirement of 1000 KVA will be sourced through Paschim Gujarat Vij Company Limited (PGVCL). One DG set of 1000 KVA

- capacity shall be provided for power backup.
- x. Approx. 15% enerw savings is envisaged through use of LED Bulbs, high efficient motors, solar street light (quantity - 850 Nos.).
- xi. Peripheral storm water drainage system will be provided covering entire periphery of the landfill cell and also along one side/ both sides of the road in the entire site premises. All the storm water drainages are well connected ultimately passing through two storm water interceptors and into a Storm Water Pond. The pond acts as guard pond before final disposal to outside of the site area. The capacity of storm water pond is planned for 800 cu. m. Overflow of this pond will be drained out to natural drainage. Rain water will be harvested in this pond and reused within site premises during non-monsoon period.
- xii. At the incineration plant area, 80 sqm area has been allotted for vehicle parking area and 250 sqm for truck parking area. At the TSDF site also, 80 sqm area has been allotted for admin parking area and 250 sqm for truck parking area.
- xiii. Public hearing was conducted on 10.03.2021 at 12:30 P.M. at proposed site, Survey No. 283, Village: Surai, Taluka: Chotila, District: Surendranagar.

S. No.	Environmental Concerns	Response from VECPL	Allotte fund in Lacs	Schedule / Responsibility
1.	Greenbelt Development	Greenbelt area will be develo ed within the Project site boundary to a level of 33% of the plot area.	10	M/S. Varni Enviro Care
2	Waste Water Management	Wastewater from entire site premises will be collected and treated in proposed ETP and treated wastewater will be reused in quenching in the incinerator hence leading to Zero Liquid Discharge ZLD .	120	M/S. Varni Enviro Care Private Limited
3	Air Emissions and Management	The operative area will be daily covered. Proper landfill gas management, Fugitive Emission Control, odour control measures will be taken during the operations of Incinerator and TSDF site. There will also be continuous online monitoring system will be installed for continuous monitoring of outlet air quality, installation of sufficient stack for DG Set as well as Incinerator.	200	M/S. Varni Enviro Care Private Limited
4	Odour Management	Deodorant Spraying System and Sprinklers.	5	M/S. Varni Enviro Care Private Limited

	5	Ground Water Monitoring Piezometric Wells	Piezometric Well construction, Sampling and Monitoring of Wells.	3	M/S. Varni Enviro Care Private Limited	
	6	Health Safety	Occupational Health Centre, PPB Kit, Fire & Safety equipment including firefighting	25	M/S. Varni Enviro Care Private Limited	
	7	Storm Water Management	Construction of Storm Water Drain, Storm Water Interceptor at the outlet, Temporary pond for storage of storm water.	50	M/S. Varni Enviro Care Private Limited	
	8	Transportation & Movement of the people	Up gradation of existing approach road to site.	10	M/S. Varni Enviro Care Private Limited, in 5 years	
	9	Post Closure Ca in monitoring and management	Landfill capping with green area development, as vent wells construction and post closure monitoring of ground water wells and air from gas wells and leachate generation for period of 15 Years.	525	M/S. Varni Enviro Care	
	<p>xiv. Project will have a total green area of 21,405 sqm (33% of total plot area) in which approximately 3150 trees will be planted in the site premises. There will be no tree felling and/or transplantation as it is a barren land.</p> <p>xiv. Project will have a total green area of 21,405 sqm (33% of total plot area) in which approximately 3150 trees will be planted in the site premises. There will be no tree felling and/or transplantation as it is a barren land.</p> <p>xv. The project does not fall under Critically Polluted Area.</p> <p>xvi. The project is not located within 10 km of Eco Sensitive Zone. NBWL Clearance is not required.</p> <p>xvii. Forest Clearance is not required.</p> <p>xviii. No Court Case is pending against the project.</p> <p>xix. Investment/ Cost of the project is: Crores</p> <p>xx. Employment potential- 100 persons during construction phase and 50 skilled and semi-skilled persons during operational phase.</p> <p>xxi. Benefits of the project: Facilitating better management of hazardous wastes by Incineration; Secured Landfills minimize the impact of solid waste disposal on land; Upon completion, the landfill site can be reclaimed and used as green space. Local skilled and semi-skilled workers will be engaged during both construction and operation phases. Indirect benefits during Construction phase for construction equipment & transport rentals (e.g. JCBs etc.), Excavation work etc. Indirect benefits during operation phase for transport vehicle operators. The project will help in the development of facilities like education, infrastructure, communication, health etc. viz., Up gradation of School infrastructure (Renovation, shed, toilet, rooms, paver blocks, Water Tank, Fan, furniture, compound wall etc.), Drinking Water Facility, etc.</p>					
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 65th meeting held during 27-28 May, 2021.					Noted.
6	Based on recommendations of EAC (Infra-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project for Integrated Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF & Incineration) at Survey No. 283, Village Surai,					Noted. The Expert Appraisal committee has granted EC to the project via letter F.No.21-40/2021-IA-III dated 29.06.2021.

	Tehsil Chotila, Dist. Surendranagar, Gujarat by M/S Varni Enviro Care Pvt. Ltd., under the provisions of the EIA Notification, 2006 and amendments/ circulars issued thereon subject to specific conditions.	
A. Specific Condition		
1	The proponent should ensure that the project fulfills all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the 'Protocol for Performance Evaluation and Monitoring' for the same as published by the CPCB including collection, transportation, design etc.	Noted and will be complied.
2	Guidelines for Common Hazardous Waste Incineration and Secured Landfill issued by CPCB shall be followed.	Noted and will be complied.
3	MoU shall be made with authorized recycler for disposal of spent/ used oil.	Noted and will be complied.
4	The proponent shall comply with the Environmental standards notified by Ministry of Environment & Forest for incinerators along with the technology / guidelines.	Noted and will be complied.
5	Necessary provision shall be made for firefighting facilities within the complex.	Complied. Drawing including details of U/G Fire Tank & Pump House is presented vide - Layout Plan.
6	Project proponent should prepare and implement an on-site Emergency Management Plan.	Noted and will be Complied.
7-	Employees shall be provided work specific PPE such as helmets, safety shoes, masks etc.	Noted and will be complied.
8	Air pollution control systems such as Quenching, Spray Dryer, Forced Evaporation System, shall be implemented as proposed. Incinerator & DG Set shall be provided with a stack height meeting MOEF&CC Guidelines for proper dispersion of cleaned gases in atmosphere.	Noted and will be Complied.
9	Ambient air quality monitoring shall be carried out at upwind and downwind locations. The parameters shall include Dioxins and Furan. Online real-time continuous monitoring facilities shall be provided as per the CPCB or State Board directions.	Noted and will be Complied.
10	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 21 ,405 sqm @ 33% of plot area) and 3150 trees shall be maintained as proposed. The tree species shall be selected as suited to site conditions in consultation with concerned forest department.	Noted and will be complied. Drawing showing green belt is enclosed vide Annexure – 1: Layout Plan.
11	Fresh water requirement shall not exceed 158.0 KLD during operational phase. Abstraction of ground water shall be subject to the permission of Central Ground Water Authority (CGWA).	Noted and will be Complied. CGWA permission is enclosed vide Annexure-2
12	Gas generated in the Landfill should be properly collected, monitored and flared.	Noted and will be complied.
13	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.	Noted and will be complied.
14	The depth of the landfill site shall be decided based on the ground water table at the site.	Noted and will be complied.
15	PP shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals.	Noted and will be complied.
16	Effluent Treatment Plant of 100 KLD capacity shall be provided as committed to treat the wastewater generated from the project. Treated water shall be reused within the project. 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. Scrubber water, leachate water or wheel wash effluent shall be treated in the effluent treatment plant followed by RO to achieve zero liquid discharge.	Noted and will be complied. Block Diagram for proposed ETP is enclosed vide Annexure-3.
17	Rain water runoff from the landfill area and other hazardous waste management area shall be collected and treated in the effluent treatment plant.	Noted and will be complied. Contaminated rain waters (first rain water flush) will be collected and pumped back to ETP for treatment from the storm water interceptors provided at the outlet of storm water drainage system.

		Normal surface runoff waters during monsoon will also flow through the interceptors and collected in storm water pond. Outlet of the storm water pond will be periodically tested and then only let out of the site in natural drainage system.
18	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.	Noted and will be complied.
19	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.	Noted and will be complied.
20	No non-hazardous wastes, as defined under the Hazardous and Other Wastes (Management and Transboundary 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.	Noted and will be complied.
21	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.	Noted and will be complied.
22	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.	Noted and will be complied.
23	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.	Noted and will be complied.
24	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.	Noted.
B. Standard Conditions:		
I Statutory Compliance		
1	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
2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable
3	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.	Noted and will be complied. Site-Specific Conservation Plan for Schedule I species is already submitted to Dy. Conservator of Forest, District Forest Department, Surendranagar Division in December 2020 and the proof of inwarding the same is enclosed vide Annexure 4 . Approval for the same and further course of actions for implementation from Forest Department is awaited.

4	The Project proponent should ensure that the TSDF fulfills all the provisions of Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.	Noted and will be complied.
5	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.	Noted and will be complied.
6	Incinerator shall be designed as per CPCB guidelines. Energy shall be recovered from incinerator.	Noted and will be complied.
7	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.	Permission letter for CGWA is obtained is enclosed vide Annexure - 2.
8	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.	Permission Letter from PGVCL for supplying adequate power is enclosed vide Annexure-5.
9	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.	Noted and will be complied.
I. Air quality monitoring and preservation:		
1	The project proponent shall install 24 x 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.	Noted and will be complied.
2	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.	Noted and will be complied.
3	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 PM2.5 in reference to PM emission, and SO2 and NOX in reference to SO2 and NOX emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.	Noted and will be complied.
4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Noted and will be complied.
5	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.	Noted and will be complied.
6	Appropriate Air Pollution Control (As proposed, such as 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; etc. 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.	Noted and will be complied.
7	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 (NIIST), Thiruvananthapuram or equivalent NABL Accredited laboratory	Noted and will be complied.
II. Water quality monitoring and preservation:		
1	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.	Noted and will be complied.
2	No discharge in nearby river(s) / pond(s).	Noted and will be complied.

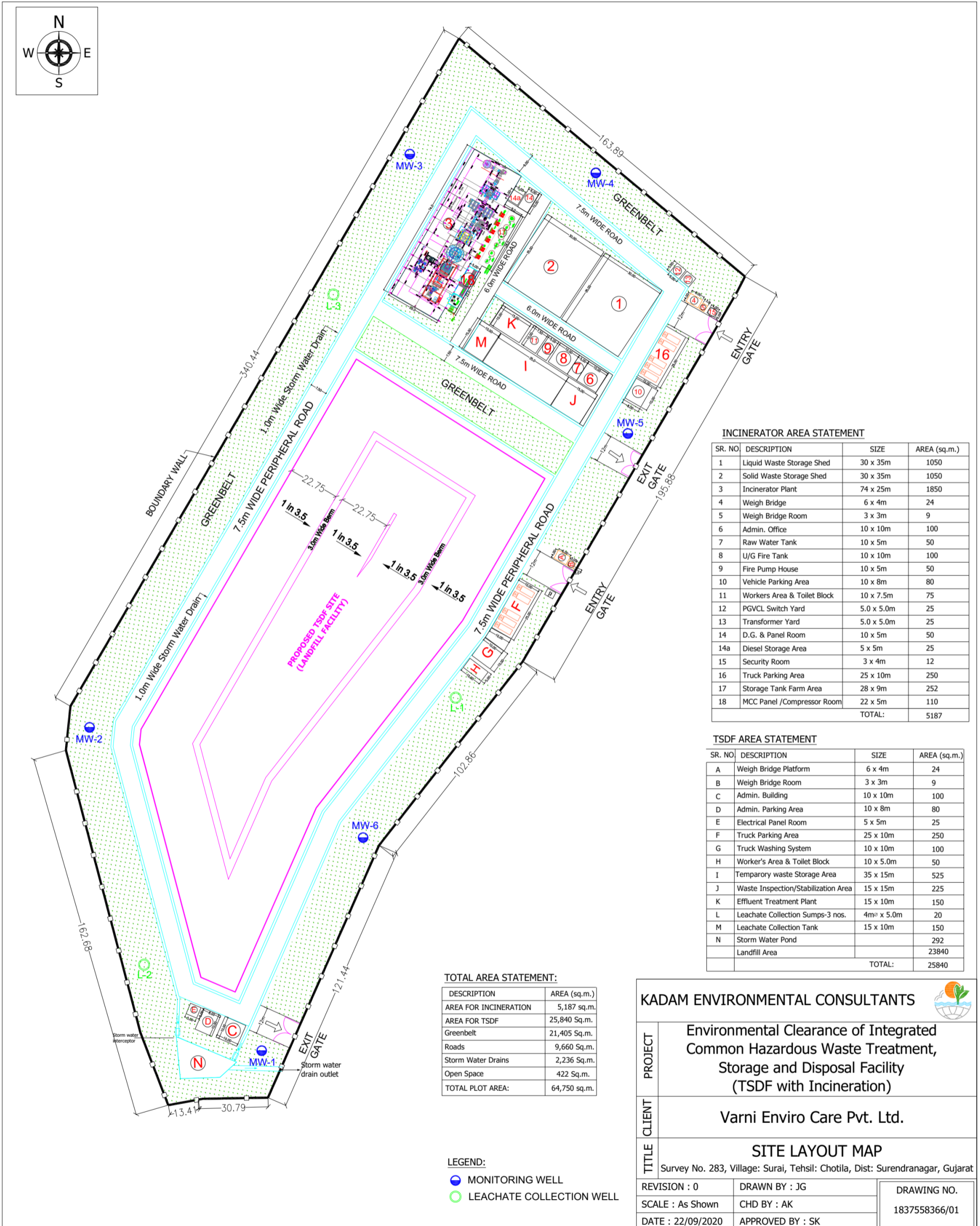
3	The Company shall review the unit operations provided for the treatment of effluents, specially the sequencing of MEE after tertiary treatment, the source of permeate when no R.O. is recommended and the treatment of MEE condensate. The scheme for treatment of effluents shall be as permitted by the Pollution Control Board/ Committee under the provisions of consent to establish.	Noted and will be complied.
4	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.	Not applicable. Project will maintain ZLD conditions. There will be no discharge of treated effluents into the Public sewer/ disposal/ drainage systems. Hence no permission for discharging from any competent authority is required.
III Noise monitoring and prevention:		
1	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.	Noted and will be complied.
2	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.	Noted and will be complied.
3	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.	Noted and will be complied.
IV. Energy Conservation measures:		
	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.	Noted and will be complied.
V. Waste management:		
1	The TSDF should only handle the waste generated from the member units.	Noted and will be complied.
2	Periodical soil monitoring to check the contamination in and around the site shall be carried out.	Noted and will be complied.
3	The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.	Noted and will be complied.
VI. Green Belt:		
1	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.	Noted and will be complied.
2	Top soil shall be separately stored and used in the development of green belt.	Noted and will be complied.
VII. Public hearing and Human health issues:		
1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted and will be complied.
2	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.	Noted and will be complied.
3	Occupational health surveillance of the workers shall be done on a regular basis.	Noted and will be complied.
VIII. Miscellaneous:		
1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Advertisement of EC obtained was given in Newspaper.
2	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.	The copies of EC Clearance has been submitted to all concerned.
3	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.	Noted.
4	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	Noted.

	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.	
5	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.	Noted.
6	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.	Noted and will be complied.
7	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted and will be complied.
8	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.	Noted.
9	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.	Noted and will be complied.
10	The criteria pollutant levels namely; PM2.5, 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.	Noted and will be complied.
11	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.	Noted and will be complied.
12	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted.
13	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.	Noted.
14	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).	Noted.
15	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.	Noted.
16	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
17	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
18	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.	Noted.
19	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.	Noted.
7	The Environmental Clearance is being granted to M/S Varni Enviro Care Pvt. Ltd. for Integrated Common Hazardous Waste Treatment, Storage and	Noted

	Disposal Facility (TSDf & Incineration) at Survey No. 283, Village Surai, Tehsil Chotila, Dist. Surendranagar, Gujarat.	
8	This issues with the approval of the Competent Authority.	Noted

ANNEXURES

ANNEXURE-1: LAYOUT PLAN (SHOWING FIRE REQUIREMENTS & GREEN BELT)



INCINERATOR AREA STATEMENT

SR. NO.	DESCRIPTION	SIZE	AREA (sq.m.)
1	Liquid Waste Storage Shed	30 x 35m	1050
2	Solid Waste Storage Shed	30 x 35m	1050
3	Incinerator Plant	74 x 25m	1850
4	Weigh Bridge	6 x 4m	24
5	Weigh Bridge Room	3 x 3m	9
6	Admin. Office	10 x 10m	100
7	Raw Water Tank	10 x 5m	50
8	U/G Fire Tank	10 x 10m	100
9	Fire Pump House	10 x 5m	50
10	Vehicle Parking Area	10 x 8m	80
11	Workers Area & Toilet Block	10 x 7.5m	75
12	PGVCL Switch Yard	5.0 x 5.0m	25
13	Transformer Yard	5.0 x 5.0m	25
14	D.G. & Panel Room	10 x 5m	50
14a	Diesel Storage Area	5 x 5m	25
15	Security Room	3 x 4m	12
16	Truck Parking Area	25 x 10m	250
17	Storage Tank Farm Area	28 x 9m	252
18	MCC Panel / Compressor Room	22 x 5m	110
TOTAL:			5187

TSDF AREA STATEMENT

SR. NO.	DESCRIPTION	SIZE	AREA (sq.m.)
A	Weigh Bridge Platform	6 x 4m	24
B	Weigh Bridge Room	3 x 3m	9
C	Admin. Building	10 x 10m	100
D	Admin. Parking Area	10 x 8m	80
E	Electrical Panel Room	5 x 5m	25
F	Truck Parking Area	25 x 10m	250
G	Truck Washing System	10 x 10m	100
H	Worker's Area & Toilet Block	10 x 5.0m	50
I	Temporary waste Storage Area	35 x 15m	525
J	Waste Inspection/Stabilization Area	15 x 15m	225
K	Effluent Treatment Plant	15 x 10m	150
L	Leachate Collection Sumps-3 nos.	4m x 5.0m	20
M	Leachate Collection Tank	15 x 10m	150
N	Storm Water Pond		292
	Landfill Area		23840
TOTAL:			25840

TOTAL AREA STATEMENT:

DESCRIPTION	AREA (sq.m.)
AREA FOR INCINERATION	5,187 sq.m.
AREA FOR TSDF	25,840 Sq.m.
Greenbelt	21,405 Sq.m.
Roads	9,660 Sq.m.
Storm Water Drains	2,236 Sq.m.
Open Space	422 Sq.m.
TOTAL PLOT AREA:	64,750 sq.m.

LEGEND:

- MONITORING WELL
- LEACHATE COLLECTION WELL

KADAM ENVIRONMENTAL CONSULTANTS



**Environmental Clearance of Integrated
Common Hazardous Waste Treatment,
Storage and Disposal Facility
(TSDF with Incineration)**

Client: Varni Enviro Care Pvt. Ltd.

TITLE: SITE LAYOUT MAP

Survey No. 283, Village: Surai, Tehsil: Chotila, Dist: Surendranagar, Gujarat

REVISION : 0 DRAWN BY : JG

SCALE : As Shown CHD BY : AK

DATE : 22/09/2020 APPROVED BY : SK

DRAWING NO.
1837558366/01

ANNEXURE-2



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Varni Enviro Care Pvt Ltd.		
Project Address:	Plot No. 283, Village Surai Taluka Chotila, Surendranagar		
Village:	Surai	Block:	Chotila
District:	Surendranagar	State:	Gujarat
Pin Code:			
Communication Address:	8 Madhav Vatika, Above Golden Super Market, Limbudiwadi, , Rajkot, Gujarat - 360001		
Address of CGWB Regional Office :	Central Ground Water Board West Central Region, Swami Narayan College, Building, Shah Alam Tolnaka, Ahmadabad, Gujarat - 380022		

1. NOC No.:	CGWA/NOC/IND/ORIG/2020/9143										
2. Application No.:	21-4/6379/GJ/IND/2020			3. Category: (GWRE 2017)	Safe						
4. Project Status:	New Project			5. NOC Type:	New						
6. Valid from:	12/11/2020			7. Valid up to:	11/11/2023						
8. Ground Water Abstraction Permitted:											
Fresh Water		Saline Water		Dewatering		Total					
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year				
158.00	57670.00										
9. Details of ground water abstraction /Dewatering structures											
Total Existing No.:0					Total Proposed No.:2						
	DW	DCB	BW	TW	MP	DW	DCB	BW	TW	MP	
Abstraction Structure*	0	0	0	0	0	0	0	2	0	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit											
10. Ground Water Abstraction/Restoration Charges paid (Rs.):								173010.00			
11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.					No. of Piezometers	Monitoring Mechanism					
						Manual	DWLR**	DWLR With Telemetry			
**DWLR - Digital Water Level Recorder					1	0	1	0			

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

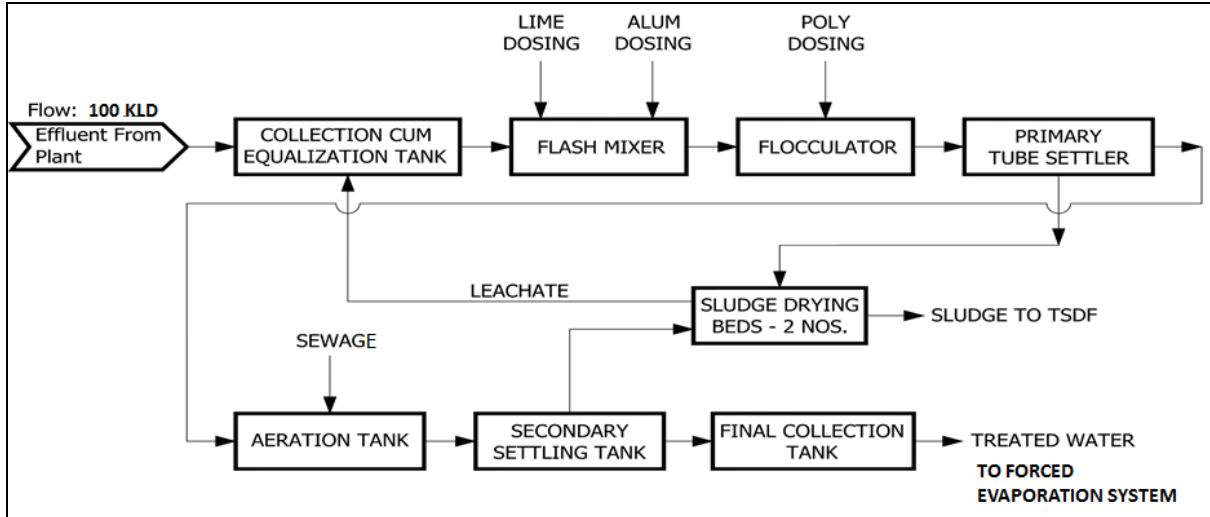
- 1) Installation of digital water flow meter (conforming to BIS/ IS standards) having telemetry system in the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate through the web-portal.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines . Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) The firm shall submit the water audit report in case of water requirement is in excess of 100 m³/day through certified auditors within three months of completion of the same to CGWA.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

ANNEXURE-3: ETP BLOCK DIAGRAM



**ANNEXURE-4: PROOF OF SUBMISSION FOR CONSERVATION
PLAN**

Varni Enviro Care Pvt Ltd

8, Madhav Vatika, Above Golden Super Market, Limbudiwadi, Rajkot-360001

Email.varnienvirocare@gmail.com Cell.7016913350, 9909099799

Date. 08 /12 / 2020

To,
Deputy Conservator of Forest
District Forest Department,
Near TV Relay Kendra,
Behind Collector Office,
Division: Surendranagar
Surendranagar.

Sub: Approval of Conservation Plan for Wildlife and Environment Protection in study area of proposed project of Integrated Common Hazardous Waste Treatment, Storage and Disposal Facility at Plot No 283, near Village Surai, Tehsil Chotila, Dist. Surendranagar, Gujarat.

Respected Sir,

With reference to above mentioned subject, we would like to inform you that with regards to our project appraisal at EAC, MoEF&CC, we have prepared a Conservation plan which needs to be got approved by The Chief Conservator of Forest of State Government, Forest Department.


The Conservation plan highlights the budget allocation for Conservation of Schedule 1 Species in the study area. We are submitting the same to your good office for perusal of the conservation plan with respect to our proposed project.

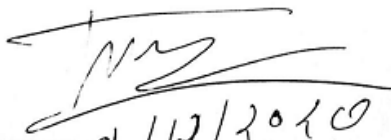
We request you to kindly approve the Conservation plan.

Thanking You,

Yours Sincerely,

M/s. Varni Enviro Care Pvt.Ltd.


Ashok A. Upadhyay
(Director)


08/12/2020
7016913350
9909099799

ANNEXURE-5: APPROVAL FROM PGVCL FOR SUPPLYING 1000 KVA POWER SUPPLY

SAVE ELECTRICITY FOR THE BEST OF NATION
PASCHIM GUJARAT VIJ CO.LTD.
OFFICE OF THE DEPUTY ENGINEER
SUB DIVISION OFFICE, Than Chotila
DIST:- SURENDRANAGAR

E-mail : sdo.chotila@gebmail.com Ph no : 02751 280351

Regd & Corporate Office
"Paschim Gujarat Vij Seva Sadan " Nana Mava Main Road,
Laxminagar ,Rajkot-360004
CIN U40102GJ2003SGC042908

DE/CSD/Tech/ 23837

DT 10/12/2020

To,
The Director,
Varni Enviro Care Pvt. Ltd.,
8, Madhav Vatika, Above Golden Super Market,
Limbudiwadi,
Rajkot-360001.


Sub:- Requirement of new connection having demand of 1000 KVA.
Ref:- Your letter on dated 08.12.2020

Respected Sir,

With reference to above subject and in receipt of letter mentioned under reference, you have asked new connection of 1000 KVA at village-Surai, land survey no. 283, Taluka-Chotila, District- Surendranagar.

in this regards, we have agreed to provide new HT connection as per your requirement after duly submission of relevant documents, following procedures for new connection and after payments of all charges (i.e. registration, firm quotation, test report, electrical inspector report).

This is for your kind information and as per your letter.


Deputy Engineer
PGVCL, Sub division Office,
Chotila.

ANNEXURE-6



સુરેન્દ્રનગર 17-07-2021

M/s. Varni Enviro Care Private Limited

Survey No. 283, Village Surai, Tehsil Chotila,
Dist. Surendranagar, Gujarat-363 520.

Environmental Clearance

This is to inform all concerned & Public at large, that the Environment appraisal committee (Infra-2) of Ministry of environment, forest and climate change, IA-III Section, New Delhi has accorded the Environment Clearance (EC) for setting up green field project of Integrated Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF & Incineration) by M/s. Varni Enviro Care Private Limited at Survey No. 283, Village Surai, Tehsil Chotila, Dist. Surendranagar-363520, Gujarat vide F.No (21-40/2021-IA-III), dated 29th June, 2021 against proposal No. IA/GJ/MIS/147896 / 2020. A copy of the clearance letter can be verified at office of GPCB/CPCB/MoEF & CC concern place and may also be seen at website of Ministry of environment, forest and climate change <http://moef.gov.in/>

Date : 16-07-2021

Director