

Project Information

1. Project Name: n
2. Project Owner:
3. Land Ownership:
4. Full Address:
5. Phone:
6. Fax:
7. Email address:
8. Lot number:
9. Petroleum brand: usual
10. Project Cost:
11. Operation:
12. One shift per day?
13. Any days for maintenance:
14. Working days:
15. Man power operating the process:

Position	No. Required
Manager	
Total	

16. The number of vehicles arriving the site: 2 / week
17. Type of equipment
18. Population size of village: ca
19. Proximity to Waste Generation Center
20. Proximity to Energy Distribution Networks

21. Project Category:

22. General Land Classification

<input type="checkbox"/> Agricultural	<input type="checkbox"/> Residential	<input type="checkbox"/> Tourism
<input type="checkbox"/> Industrial	<input type="checkbox"/> Forest Land	<input type="checkbox"/> Institutional
<input type="checkbox"/> Commercial	<input type="checkbox"/> Open Spaces	<input type="checkbox"/> Others, Pls. Specify:

23. Project Components

Services			
Facility	No. of Unit	Area (m ²)	Capacity
Access? Originating from? To?			
Area of the incineration			
Total area of the site			
Shape of the site (Length, width)			
Maximum height of infrastructure			
Type of incineration			
Furnace			
Type of Byproducts			
Ash and clinker removal system			

Energy recovery system			
Air pollution control (APC) system			
Stack height			
Any produced Leachate?			
Source and Composition of municipal wastes to be incinerated			
Fuel Storage Area			
Parking Area			
Office Bldg.			
Public Toilets			
Others, Pls. Specify			
Logistics and Principles of Sampling and Analysis of Waste Data			
Design and Layout of the Mass Burning Incineration System			

24. Water Resources and Infrastructure

Water Supply Source			Remarks
Existing Public Water			
Estimated daily water requirements of the proposed incineration?			

Deep Well (Underground tanks)

Water Source	No. Wells/Hand Pump/Tanks	Location	Depth (m)	Discharge (liter / sec)
Deep Well w/ Manual Hand Pump				
Deep Well w/ Electric or Motor Pump				

Stormwater Management System (collector pipe, where to?, site drain) Drainage System

- Rainwater will be collected in storage tank
- Rainwater will be collected in Reservoir
- Rainwater will be collected in collector pipe, where to?
- Rainwater will be connected to public drainage system
- Rainwater will be connected to natural outfall / water body

Drainage System

Type of drainage:

- a) Major Road:
- b) Other road (street):

Is there any surface water body (river, canal, stream, lake, wetland) within 1,000m of the proposed site?

- Yes No

If yes, describe each surface water body close to site

Water Source	Name of Water Body	Location	Distance
1. Creek			
2. Spring			
3. Stream			
4. River			
5. Others			

25. Power Supply (Source of Power)

- Local Electric
- Own Generator:
- Others, pls. specify

26. Wastewater (Sewage) Disposal System

Sewage System:

<input type="checkbox"/> Individual Septic Tank	<input type="checkbox"/> Communal Septic Tank
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Sewage Design:

<input type="checkbox"/> 2 chamber septic tank with leaching	<input type="checkbox"/> 2 chamber septic tank without leaching
<input type="checkbox"/> 3 chamber septic tank w/ leaching X	<input type="checkbox"/> 3-chamber septic tank w/o leaching
<input type="checkbox"/> On site wastewater treatment plant, pls. specify	

Sewage Disposal

discharge to an existing public sewerage system

Treatment in individual septic tanks with disposal by absorption field or leaching pit

Others: (Specify)_____

Wastewater Treatment Facility:

Attach Flowchart on liquid waste management

Attach lay-out / detailed plan

Liquid waste facility-main component

Wastewater treatment facilities (which one? Name is needed)

27. Solid Waste Disposal System

Bottom ash

Bly ash

Others, (specify):

Will there be a waste sorting/segregation system to be employed prior to incineration?

YES NO

Disposal System

Burning at open dumpsite in the project site

Open dumpsite outside of the project site (where?)

Others, specify:_____

Location of the waste disposal site:

28. Description of Existing Environment

A. Physical Environment

Components/ Parameters	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Remarks
<p>1. What is the general elevation of the proposed <i>incineration power plant project site</i>?</p> <p><100 m</p> <p>100-300</p> <p>301-500</p> <p>501-1,000</p> <p>1,000-1,500</p> <p>>1,500</p> <p>(To determine elevation, refer to the topographic map where the elevation per contour line is indicated)</p>			

2. Slope and Topography of the area (<i>within 50 meter radius from center of site</i>)				
<input type="checkbox"/> Terrain is flat or level (0-3% slope) <input type="checkbox"/> Gently sloping to undulating (3-8% slope) <input type="checkbox"/> Undulating to rolling (8-18% slope) <input type="checkbox"/> Rolling to moderately steep (18-30% slope) <input type="checkbox"/> Steeply rolling (30-50% slope) <input type="checkbox"/> Very steep to mountainous (>50% slope)				
3. Are there areas in the site where indications of soil erosion are occurring? If yes, what activities are causing erosion?				
Causes of erosion:	<input type="checkbox"/> Heavy Rains	<input type="checkbox"/> Unstable Slopes	<input type="checkbox"/> Others, pls. specify	
Do you know of any land sliding occurring or that has occurred in the site? Cause of Landslide:				
<input type="checkbox"/> Earthquake	<input type="checkbox"/> Unstable slopes	<input type="checkbox"/> Earthmoving	<input type="checkbox"/> Others, pls. specify	
Has the area experienced any flooding during the wet season?				
If yes, when was the last time the area was flooded? Period(s) of flooding:				
Causes of flooding:	<input type="checkbox"/> low area	<input type="checkbox"/> poor drainage	<input type="checkbox"/> water logged areas	
Soil type of the area	<input type="checkbox"/> Clayey soil	<input type="checkbox"/> Sandy loam soil	<input type="checkbox"/> Sandy soil	<input type="checkbox"/> Other soil types:
Is there an access road going to the project site? If yes, what is its distance to the site _____ km.			Type of access road:	
Does the site conform to the approved land use of the municipality? Yes				
Are there existing structures or developments around the project site? If yes, please list them				
Project Activities Affecting the Physical Environment <input type="checkbox"/> Yes <input type="checkbox"/> No				
Are there any structures on the proposed site? Will there be demolition of existing structures? If yes, what types of structures will be demolished? Types of Structures:				
11. Is there a need to construct an access road going to the site? If Yes, what type of access road: [] all weathered road, length _____(m) width _____, [] concrete, [] asphalt				
B. Biological Environment			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Are there any trees and other types of vegetation in the <i>project site</i> ? If yes, please <i>identify</i> .				
Are there birds and other forms of wildlife found in the area? Please <i>identify</i> .				
Are there fishery resources in the water bodies found near or within the site? Please <i>identify</i> .				
Is the site near or within a watershed or forest reservation area? If near, only, how near? _____ m or km If within, indicate name of the watershed or forest reservation area				
Are there any reserved forests or protected area within 1,000 m of the proposed site?				
What is the present land use in the vicinity (roughly a radius of 500m) of the proposed site?				
Coastal/ Marine	Residential	Forest	Mangrove	Grassland Agriculture
Project Activities Affecting the Biological Environment			Yes	No
Type of vegetation on site				
1. Will there be vegetation clearing?				
2. Will clearing activities affect any critical wildlife habitats?				

3. Will clearing activities affect any rare, threatened or endangered plant and animal species?					
4. Will there be trees to be affected (e.g. cut down; remove) during clearing? If yes, how many and what are these species of trees?					
Will the project cause an increase in traffic or disrupt traffic in major routes due to the entry and exit of construction equipment?					
Is the available domestic water supply enough to meet the maximum projected water consumption of the petrol station?					
For any agricultural farmland on the proposed site and/or a radius of 500m around it, provide the following information: Main crop(s) and average yield----- ----- Source of irrigation water----- ----- Area attached by salinity or water logging----- -----					
C. Socio-Economic Environment					
1. Are there existing settlements in the proposed station? If yes, indicate the number of: (within 50m radius) Households/Families:___, Legitimate landowners: ____; Tenants:_____; Squatters:_____					
Are there existing social or cultural infrastructures within 1000m of the proposed site or in the area?					
Type	Names and number if more than 1	Size (No. of students or beds)	Location (village, road, district, etc.)	Distance from Site	
Schools/College					
Hospitals					
Health centers/clinics					
Communications library					
Churches/Mosques					
Archeological site					
Others					
Project Activities Affecting the Socio-Cultural and Economic Environment				Yes	No
Will the project cause or increase traffic in the areas?					
Are there existing transport services/facilities routing the areas?					
Will the project cause an increase in traffic or disrupt traffic in major routes due to the entry and exit of construction equipment?					
Is there a prevailing water shortage or water supply problem in the area?					
Are there already existing commercial establishments within the vicinity of the project area?					