

FORM - 'A'

**Form for seeking prior approval under section 2 of the proposals by the
State Governments and other authorities
(Forest (Conservation) Act, 1980)**

**PART - I
(to be filled up by user agency)**

1. Project details:

**(i) Short narrative of the proposal and project/scheme for which
the forest land is required.**

The entire North district of Sikkim does not have a Landfill facility and garbage treatment plant. Due to this, the solid waste generated in various households are disposed randomly thereby affecting the cleanliness of the entire district. Also these untreated waste are being dumped on the valley sides and onto the river which is causing pollution to both land and the river. To eliminate this issue the proposal for "Solid Waste Management for Regional Landfill Facility at Ringdang" near Mangan brought into consideration.

The Ministry of Development of North Eastern Region (DoNER), Government of India has sanctioned a project, "Solid Waste Treatment Project for Mangan in Sikkim" funded under Swachhata Action Plan (SAP) of NLCPR Scheme. The project has already been tendered under Design, Built and Transfer (DBT) mode and the work has been awarded to M/s. NLM Infra Projects, Ranipool, East Sikkim. The location for this project has been selected by the survey team of experts from Urban Development Deptt., Mangan Nagar Panchayat, Land Revenue and Forest Department at Ringdang along link road of Teesta Urja, which is 7 Kms away from Mangan Bazar. The land does not pose any problem to the public as there are no major habitation nearby.

The government has given approval for use of two (2) hectares of land from plot No. 2 recorded in the name of "Sarkar" as per the survey operation of 1979-80 at Kazor Revenue Block under Singhik-Sentam GPU of Lachen-Mangan Constituency.

Since the project falls under the ambit of Swachha Bharat Mission (SBM) and the identified land was recorded in the name of Government (Sarkar), the Government of Sikkim gave priority clearance for the use of the land.

The proposed project has a design life of 20 years with based year as 2021 and up to 2041.

The following design criteria are adopted and salient features are:

STAGE	DESCRIPTION
Stage – I Waste Segregation & Storage	<ol style="list-style-type: none">1. First level of waste segregation at source (household level)- wet waste and dry waste2. Separate storage of waste at source- wet waste bin and dry waste bags.
Stage-II Waste Collection System	<ol style="list-style-type: none">1. Residents handover garbage to waste collection centers2. Truck will pick up and transport it to Plant.
Stage-III Transportation	<ol style="list-style-type: none">1. Refuse Compactor vehicle shall transport to nearest Landfill.
Stage-IV Treatment and Disposal facilities	<ol style="list-style-type: none">1. Further segregation at landfill2. Organic waste – Bio-methanation Plant.3. Recyclables to be pressed and packed for sale.4. Other inert to go to Landfill5. Plant will have facilities like Weigh Bridge, Scientific Landfill, Leachate Treatment Plant.

(ii) Map showing the required forest land, boundary of adjoining forest on a 1:50,000 Scale map.

Map on 1:25000 Scale, Survey of India Topo sheet No. 75/GIS/WP17/FEWMD, showing the requisite details, boundary of the forests is enclosed along with the Drawings of the area.

Enclosed.

(iii) Cost of the project:

Rs. 15,99,37,000.00/- (Fifteen Crore Ninety Nine Lakh and Thirty Seven Thousand) Only.

(iv) Justification for locating the project in forest area:

SITTING CRITERIA FOR SELECTION OF LANDFILL SITE:

The landfill site should be selected in conformity to the criteria specified under Schedule-III of Municipal Solid Waste (Management & Handling) Rules, 2000.

1. In areas falling under the jurisdiction of "Development Authorities", it shall be the responsibility of such Development Authorities to identify the landfill sites and handover the site to the concerned municipal authority for development, operation and maintenance. Elsewhere, this responsibility shall lie with the concerned municipal authority.
2. Selection of landfill sites shall be based on examination of environmental issues. The Department of Urban Development of the State or the Union territory shall co-ordinate with the concerned organizations for obtaining the necessary approvals and clearances.
3. The landfill site shall be planned and designed with proper documentation of a phased construction plan as well as a closure plan.
4. The landfill sites shall be selected to make use of nearby wastes processing facility. Otherwise, wastes processing facility shall be planned as an integral part of the landfill site.
5. The existing landfill sites which continue to be used for more than five years, shall be improved in accordance of the specifications given in this Schedule.
6. Biomedical wastes shall be disposed off in accordance with the Biomedical Waste (Management and Handling) Rules, 1998 and hazardous wastes shall be managed in accordance with the Hazardous Waste (Management & Handling) Rules, 1989, as amended from time to time.
7. The landfill site shall be large enough to last for 20-25 years.
8. The landfill site shall be away from habitation clusters, forest areas, water bodies, monuments, National Parks, Wetlands and places of important cultural, historical or religious interest.
9. A buffer zone of no-development shall be maintained around landfill site and shall be incorporated in the Town Planning Department's land use plans.
10. Landfill site shall be away from airport including airbase. Necessary approval for airport or airbase authorities prior to the setting up of the landfill site shall obtained in cases where the site is to be located within 20 km of an airport or airbase.

Taking into consideration all above factors and after conducting multiple attempts for identification of landfill site, a suitable land bearing plot No. 2(P) measuring 2 Hectares, recorded

in name of "Sarkar" at Kazor Block was identified by survey team of experts from UD&HD, Nagar Panchayats, Land Revenue and Forest Department. The identified site is located at Ringdang which is free from habitation and about 7 Kms away from Mangan Bazaar. The project requires bigger area and at same time the location should be quite far from the habitable place.

(v) **Cost-benefit analysis (to be enclosed).**
Not Applicable

(vi) **Employment likely to be generated.**
Yes, after the completion of the project, it shall be handed over to Mangan Nagar Panchayat, who in turn shall have to engage manpower in terms of smooth functioning of the Landfill. Employment shall be there for car wash, security, personnel for weigh bridge operation, safai karmachari, trained staff for the Leachate treatment, Biomethanation Plant, Electrician, Plumber, Mechanic etc.

2. Purpose-wise break-up of the total land required:

For Landfill	= 3804 m ²
For Leachate Treatment Plant	= 1500 m ²
Car Wash	= 100 m ²
Bio-methanation Plant	= 900 m ²
Space for Segregation	= 721 m ²
Soil Processing Area	= 1000 m ²
Office cum common toilet	= 250 m ²
Weigh Bridge	= 50 m ²
Security Cabin	= 75 m ²
Roads inside	= 1600m ²
Other unforeseen works and if needed in future for expansion upto certain area	= 10000 m ²
TOTAL AREA	= 20000 m² i.e., = 2 Hec.

3. Details of displacement of people due to the project, if any:

(i) Number of families= Nil

(ii) Number of Scheduled Castes/Scheduled Tribe families: Nil

(iii) Rehabilitation plan. (to be enclosed): N/A

4. Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No).

The file for same is under process.

5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. as per the scheme prepared by the State Government (undertaking to be enclosed).

Enclosed.

6. Details of Certificates/documents enclosed as required under the instructions.

- i. Form 'A' Part- I duly filled in with complete details
- ii. Map on 1:25000 Scale SOI toposheet along with the drawings
- iii. Joint Inspection Report
- iv. Undertaking certificate
- v. Detail Project Report
- vi. GPS Coordinate


Signature

L.B. CHHETRI

(Name in Block letters):

Designation:

Address (of User Agency):

SECRETARY

Urban Development Deptt

Govt. of Sikkim Gangtok

Date: 26.VIII.18

Place:- Gangtok

State serial No. of proposal.....

(To be filled up by the Nodal Officer with date of receipt)