कार्यालय नगर पंचायत दिनेशपुर (उधम सिंह नगर)

e-mail : eodin-mb-uk@nic.in Phone/Fax - 05949234605

पत्रांक : 47 दिनांक : 08-02-2022

To,
Member Secretary
Expert Appraisal Committee II
Infrastructure Development, Coastal Regulation Zone,
Building/Construction and Miscellaneous projects
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan,
3rd Floor, Vayu Wing, JorBagh Road, Aliganj,
New Delhi-110003.

Sub Regarding Grant of Terms of Reference (TOR) Environmental Clearance for Integrated Solid Waste Management (ISWM) Project for Dineshpur Cluster, District-Udham Singh Nagar, Uttarakhand by Dineshpur Nagar Panchayat

Dear Sir,

With reference to the above-referred subject, we are planning to proposed setting up Integrated Solid Waste Management (ISWM) Project for Dineshpur Cluster, District-Udham Singh Nagar, Uttarakhand.

We are hereby submitting application (form1 and PFR) and all requisite enclosures for grant of **'Terms of Reference '** as per the requirements of the EIA Notification no: S.O.1533 dated 14/09/2006 issued by Ministry of Environment Forests& Climate Change, Govt. of India. In absence of SEIAA, Uttarakhand, we are hereby uploading proposal to MoEF&CC.

We would request you to please consider our application for grant of **'Terms of Reference'** to the project at the earliest.

Thanking you.

Yours sincerely,

अधिशासी अधिकारी
Authorized Signatory
नगर पंचायत दिनेशपुर
ऊधम सिंह नगर

Encl: As above

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FORM 1

(I) Basic Information

Sl. No.	Item	Details
1.	Name of the project/s	Integrated Solid Waste Management (ISWM) Project for Dineshpur Cluster, District-Udam Singh Nagar, Uttarakhand
2.	S.no. in the schedule	7(i) Common Municipal Solid Waste Management Facility
3.	Proposed capacity/area/length/ tonnage to be handled/command area/lease area/ number of wells to be drilled	
	Type of project	Solid Waste Management and Disposal Facility
	Plot area	0.385 Ha
	Proposed capacity	10 TPD MSW Processing Facility for Dineshpur cluster with a design capacity of 25 years. The civil infrastructure for waste processing is proposed considering waste generation of next 25 years [21 TPD] at both the ULBs The facility will include – w**indrow composting of organic wastes, baling of dry wastes, temporary storage shed of inert waste for further weekly disposal at regional landfill facility at Rudrapur.** Also there will be decentralized dry waste processing center at Gularbhoj.
	Project Cost	INR 347.67 Lakhs
4.	New/Modernization	New project
5.	Existing capacity/area etc.	Nil
6.	Category of Project i.e 'A' or 'B'	B
7.	Does it attract the general condition? If yes, please specify	No
8.	Does it attract the specific condition? If yes, please specify	No
9.	Location	Village–Chandayan, Ward No. 09, Indra Nagar, Dineshpur, Tehsil-Gadarpur, Dist – Udham Singh Nagar, Uttarakhand – 263 160 Geographical Co-ordinates: Latitude: 29°02'07.60"N Longitude: 79°19'04.50"E
	Plot/Survey/Khasra No.	Khasra No. 732,733,734K and 731
	Village	Chandayan
	Tehsil	Gadarpur
	District	Udham Singh Nagar
	State	Uttarakhand

10.	Nearest railway station/airport along with distance in Km	Gulabhoj Railway Station - aerial distance -8.5 km on NW Rudrapur Railway station -aerial distance 9.4 km on SE Pantnagar Airport – aerial distance 14 km on East
11.	Nearest Town, city, District Headquarters along with distance in Km	Rudrapur – aerial distance 9.5 km on SE
12	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body [complete postal addresses with telephone nos. to be given]	Dineshpur Nagar Panchayat Gandhi Nagar Rd, Dineshpur, Uttarakhand - 263 160 Tel. # 059 4923 4605
13	Name of the applicant.	Dineshpur Nagar Panchayat
14	Registered Address	Ward No. 02, Matkota Road, Dineshpur, Uttarakhand - 263 160
15	Address for correspondence:	Ward No. 02, Matkota Road, Dineshpur, Uttarakhand - 263 160
	Name	Ms. Saroj Gautam
	Designation (Owner/Partner/CEO)	Executive Officer
	Address	Ward No. 02, Matkota Road, Dineshpur, Uttarakhand - 263 160
	Pin Code	263 160
	E-Mail	eodin-mb-uk@nic.in
	Telephone No.	Landline # 059 4923 4605 Mobile # 94103 36253
	Fax No.	NA
16	Details of Alternative Sites examined, if any Location of these sites should be shown on a topo sheet.	No alternative sites examined. Due to unavailability of alternate land, Govt. of Uttarakhand has approved the site for setting up of Dinespur Cluster MSW processing unit. Copy of the clearance order is attached as Annexure.
17	Interlinked Projects	No
18	Whether separate application of interlinked projects has been submitted?	No
19	If yes, date of submission	Not Applicable
20.	If no, reason	Not Applicable
21	Whether the proposal involves approval/clearance under: If yes, details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z Notification, 1991?	No NA NA NA
22	Whether there is any Government Order/Policy relevant/relating to the site?	Yes, Approval from Govt. of Uttarakhand is enclosed.
23	Forest land involved (hectares)	Nil

24	Whether there is any litigation pending against the project and/or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders/directions of the Court, if any and its relevance with the proposed project.	None

(II) Activity

1. **Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)**

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	No	Dineshpur ULB is already in possession of 0.385 Ha of land from District Administration, Udham Singh Nagar. Current landuse of the plot is industrial. So, there will be no change in land use due to development of Solid Waste Management Facility [Compost unit and Baling unit].
1.2	Clearance of existing land, vegetation and buildings?	Yes	At present, the land is devoid of any building/structure and covered with natural vegetation, bushes and shrubs. Existing vegetation needs to be cleared. Existing trees will be retained to the possible extent as most of the trees are present along the boundary.
1.3	Creation of new land uses?	Yes	At present the site is vacant under ownership of Dineshpur Nagar Panchayat. Present landuse is industrial. The site is allocated for setting up of municipal solid waste management facility which includes composting of wet waste collected and transported from Dineshpur and Gularbhoj, baling of dry waste collected from Dineshpur and temporary storage of the inert waste for Dineshpur cluster before final disposal to Rudrapur regional landfill site.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Geotechnical investigation will be carried out before start of construction.
1.5	Construction works?	Yes	Construction of adequate and appropriate infrastructures for solid waste processing site are – administrative building, dry waste shed, wet waste shed, parking, leachate collection pit etc.
1.6	Demolition works?	No	No demolition work is required as the site is vacant.
1.7	Temporary sites used for construction works or housing of construction workers?	No	Local Labours will be deployed for construction. Housing for construction workers not required.

1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Administrative building and waste processing sheds will be installed above ground. Internal roads will be constructed. Earth cuttings will be done for making drains, water reservoir and civil foundations. Soil from excavation work (civil work related to foundation and drains) will be used for plinth filling and land leveling. Estimated excavated earth will be approx. 1200 m3.
1.9	Underground works including mining or tunneling?	No	No Mining and tunneling work involved.
1.10	Reclamation works?	No	Nil
1.11	Dredging?	No	Nil
1.12	Offshore structures?	No	Nil
1.13	Production and manufacturing processes?	Yes	Project involves – • processing of organic part municipal solid waste and production of organic manure through Compost plant. • Baling of dry recyclable waste
1.14	Facilities for storage of goods or materials?	Yes	A temporary building shall be constructed for the storage of materials / equipment required during construction phase. Cement will be separately stored in a covered area with water-proof sheets. Sand will be stacked neatly under tarpaulin cover. Bricks and steel will be laid in open. The storage yard shall be located within the project site. During operation phase, there will be storage for finish product from compost plant.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	At present the proposed facility will manage 10 TPD municipal solid wastes processing for Dineshpur cluster with a design capacity of 25 years [21 TPD]. A Detailed Project Report has been prepared and as per DPR, the project has the capacity of 21 TPD as the wastes quantity will rise in future. The facility will have windrow composting of organic wastes collected from Dineshpur and Gularbhoj, baling of dry wastes from Dineshpur, temporary storage shed of inert wastes for further weekly disposal at regional landfill facility at Rudrapur. A leachate collection pit will be provided at site.
1.16	Facilities for long term housing of operational workers?	No	Operational manpower requirement at the common facility is estimated as 12. No Housing facilities or colony will be provided in the premises. The workers shall be employed from nearby areas.

1.17	New road, rail or sea traffic during construction or operation?	No	Site is well connected via road network and existing road networks is adequate. The site is approached through existing kuchha village road [approx. 15 feet wide] which finally joins Dineshpur- Jaferpur Road [approx. 30 feet wide] on east of proposed project. The final approach stretch of approx. 170m to be constructed by the Nagar Panchayat which joins the existing pucca road [110m stretch]. This road finally joins Dineshpur- Jaferpur Road
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.?	No	Not proposed, as the existing road network is adequate for handling of proposed waste transportation activities.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not envisaged.
1.20	New or diverted transmission lines or pipelines?	No	There will be no shifting of electrical transmission lines.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not envisaged.
1.22	Stream crossings?	No	No stream or nalla crosses through the plant area/ project site. Aswa Nalla [storm water channel-seasonal] is located adjacent to the project site on south outside the project boundary.
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	The fresh water requirement [approx. 4 KLD] for the proposed project will be met through onsite tube-well. Leachate collected will also be reused in maintain the moisture content of windrow composting. Necessary permission from the CGWA will be obtained if applicable.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	Yes	Land is flat. Paved areas inside the proposed site will increase the runoff which will be diverted through storm water drainage network towards adjacent Aswa Nalla on south of project site.

1.25	Transport of personnel or materials for construction, operation or decommissioning?	No	**Construction Phase:** Construction workers will commute on their own or by arrangements made by contractor. Materials will be transported in covered trucks using the existing road. **Operation Phase:** Local workers will be hired in the operation phase and they will come on their own through bus, cycle or motor cycle. Waste materials for processing shall be transported through covered auto tipper, tractor.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not envisaged.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not applicable
1.28	Influx of people to an area in either temporarily or permanently?	Yes	During construction phase, local labours will be engaged. During operational phase, around 12 skilled and unskilled personnel will be employed from local area.
1.29	Introduction of alien species?	No	Not envisaged
1.30	Loss of native species or genetic diversity?	No	Not envisaged.
1.31	Any other actions?	Yes	Adequate green belt will be provided at site.

2. **Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):**

S. No.	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	Project site is an undeveloped vacant land [0.385 Ha] owned by Dineshpur Nagar Panchayat. The land has been approved by Govt. of Uttarakhand for the proposed project. Approval letter is enclosed as Annexure. Present landuse of the site is industrial and no agriculture is practiced at site
2.2	Water (expected source & competing users) unit: KLD	Yes	Fresh water requirement [approx. 4 KLD] for the proposed project will be met through onsite bore-well.
2.3	Minerals (MT)	No	Not required

<table>
<tr><td>2.4</td><td>Construction material – stone, aggregates, sand / soil (expected source – MT)</td><td>Yes</td><td>Preferably, locally available building material will be utilized. Some equipment and machineries will be installed. The materials required for construction comprises of:<table><tr><th>S. No</th><th>Raw Material for construction</th></tr><tr><td>1.</td><td>Steel</td></tr><tr><td>2.</td><td>Cement (Bags)</td></tr><tr><td>3.</td><td>Stone Aggregate</td></tr><tr><td>4.</td><td>Sand</td></tr><tr><td>5.</td><td>Bricks</td></tr><tr><td>6.</td><td>Glass</td></tr></table></td></tr>
<tr><td>2.5</td><td>Forests and timber (source – MT)</td><td>No</td><td>Not envisaged.</td></tr>
<tr><td>2.6</td><td>Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)</td><td>Yes</td><td>Power requirement of the project will be sourced from local electricity distribution authority.
D.G. Set will be provided at site as back up during power failure.</td></tr>
<tr><td>2.7</td><td>Any other natural resources (use appropriate standard units)</td><td>No</td><td>Nil</td></tr>
</table>

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	No substances or materials which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna and water bodies) will be used in the project except a small quantity of diesel used for DG set.

3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	As solid waste processing facilities is proposed to be developed under covered shed, i.e. no vector and rodents menace is expected. After unloading solid waste on the tipping floor/ pits, it will be immediately sprayed with herbal inoculum / effective microorganism through fogging nozzles to accelerate the rate of decomposition thereby reducing the odor. In order not to attract rodents, the liquid discharge produced by washings (and leachates, if any) will be taken out through proper waste traps and underground pipes rather than through open drains. Suitable storm water drainage network shall be developed. Waste management measures shall be adopted, which will restrict stagnation of water or accumulation of waste. This effectively restricts the reproduction and growth of disease vector.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Proper disposal and processing of solid wastes will create better hygienic conditions for Dineshpur and Gularbhoj panchayat limits. The project will: • Improve environmental conditions of the area. • Improved public health, safety & hygiene in handling the waste. Improved health and productivity of sanitary workers. • Awareness among citizens and the community to follow Solid Waste Rules & guidelines. • Socio-economic improvement. • Commercial orientation in solid waste management.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	Yes	Nearby habitation is located at a distance of 80 m on NE of project site. But, all precautions/ mitigation measures will be taken to control pollutants and therefore no adverse effect on vulnerable group is envisaged. However, it will be studied in detail during EIA study.
3.5	Any other causes	No	No other risks envisaged.

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	Not applicable.

4.2	Municipal waste (domestic and or commercial wastes)	Yes	The proposed project is for setting up of municipal solid waste processing facility.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	No hazardous waste would be generated or handled as the proposed project is a solid waste management facility.
4.4	Other industrial process wastes	No	No industrial process waste will be generated or handled.
4.5	Surplus product	No	Nil
4.6	Sewage sludge or other sludge from effluent treatment	No	Sewage is treated through septic tank and soak pit.
4.7	Construction or demolition wastes	No	Construction waste debris will be utilized for development of approach road/internal road.
4.8	Redundant machinery or equipment	No	Nil
4.9	Contaminated soils or other materials	No	Windrow composting will be done on concrete platform. Adequate precautions will be adopted to prevent any contamination.
4.10	Agricultural wastes	No	Not applicable
4.11	Other solid wastes	Yes	Organic waste will be processed in the compost plant and inert matter will be sent to the regional Sanitary landfill site at Rudrapur.

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Emission of SO_2 & NO_2 will be there due to use of diesel machinery & Vehicular movement but the emission shall be kept under control by proper maintenance. Stack of adequate height as per norms will be provided for DG sets and Low Sulphur content diesel shall be used as fuel. Hence the emissions will be complied with the standard limits.
5.2	Emissions from production processes	Yes	The source of air pollution from the facility will be from the Compost unit- Microbial Culture will be sprayed to reduce odor problem and moisture will be maintained to control the dust. Green belt will also be developed along the boundary of the site.

5.3	Emissions from materials handling including storage or transport	Yes	Due to the transportation activity and vehicular movements, the fugitive emission will also be there. But, it will be limited as this is a small waste processing facility [10 TPD]. The dust particles give rise to increase in PM_{10} & $PM_{2.5}$. Vehicles carrying solid waste will be covered properly.
5.4	Emissions from construction activities including plant and equipment	No	Dust emission during construction phase is not much expected and can be suppressed by appropriate measures e.g. water sprinkling etc.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Appropriate measures will be taken to control dust emission during material handling and vehicular movement like water spraying & enclosures etc. **Dust Control** - The facility for receiving and processing of waste in an integrated manner having proper roads, cemented platform, well ventilated sheds and other control measures have been planned and executed at the proposed facility. **Control of Odour** - At the time of unloading of solid wastes, herbal inoculums/effective microorganism will be sprayed to minimize odour
5.6	Emissions from incineration of waste	No	Nil as no incinerator will be installed.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Nil
5.8	Emissions from any other sources	No	Nil

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	The source of noise pollution includes shredders, DG Set & processing plant. Wherever possible, necessary enclosures would be provided to ensure that noise level do not exceed the prescribed standards [85 dB (A) at 1 m distance from the equipment]. All precautions to keep noise under control will be taken. Equipment and machinery installed will be based on such technologies so as to meet specified norms of Noise and Vibration levels. DG set will be provided with inbuilt acoustic enclosure. Provision of ear muffs, regular maintenance of the equipment will help in reducing the noise levels. Hence, no significant impact due to machinery operation is anticipated.
6.2	From industrial or similar processes	No	Not applicable
6.3	From construction or demolition	No	The construction work involves more of the fabrication work, for which proper mitigation measures will be taken. Adequate precautions will be taken to reduce the noise generation. No demolition work is involved.
6.4	From blasting or piling	No	Not applicable
6.5	From construction or operational traffic	Yes	Both construction and operational phase in the project involves daily transportation of materials. A time plan will be framed for vehicles carrying solid wastes to the site. Proper parking facility is planned at the site for vehicles carrying or taking out the materials. During the construction and operational phase the source of noise will be vehicular movement and running of construction equipment which will be controlled with proper maintenance schedule.
6.6	From lighting or cooling systems	No	Nil
6.7	From any other sources	No	Nil

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	Yes	No substances or materials which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna and water bodies) will be used and stored in this project except limited quantity of diesel for the operation of DG set.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	Leachate generated from the project will be will be recycled to maintain the moisture of windrow composting.
7.3	By deposition of pollutants emitted to air into the land or into water	No	There will be no landfill facility at the proposed site. Inert wastes will be disposed weekly to regional landfill facility at Rudrapur. There will be no deposition of pollutants in to air and water.
7.4	From any other sources	No	Nil
7.5	Is there a risk of long-term buildup of pollutants in the environment from these sources?	No	All the activities will be carried out in environmentally sound manner complying with Solid Waste Management Rule 2016. Thus no long term pollution will occur.

8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment

S. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	Yes	No Hazardous substance will be used and stored at site. However, necessary fire protection measures will be adopted.
8.2	From any other causes	No	Not applicable
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	The structure will be earthquake resistant as per applicable norms. The location falls under Seismic Zone IV in Indian standard seismic Zoning map. The site is located jest adjacent to Aswa nala. But, no such natural disaster is reported so far and such chances are very minimal.

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting. facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other	No	The solid waste management facility is planned for offering better living conditions and disease free environment to the society. The project will enhance cleanliness and aesthetics of the area. It involves door to door collection of waste, transportation, processing, baling of dry wastes and disposal of inert wastes into the regional sanitary landfill at Rudrapur. This project will not only provide better disposal of waste but also value addition products like bio-compost, segregated recyclable wastes will be obtained. In addition to above, a thick green belt has been proposed to be developed all along the project boundary. This will not only attenuate the pollution and odour emissions from plant but also will add to beauty of the area and will influence the microclimate of the area. The project will also have a positive impact in terms of health and socioeconomic development.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Not Applicable
9.3	Set a precedent for later developments	Yes	The project will not only eradicate the problem of accumulating solid wastes in the area but also provide value addition products like bio-compost and segregated recyclable wastes which can generate revenue. The project will have a positive impact in terms of health and socioeconomic development.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Not Applicable

(II)Environmental Sensitivity

S. No	Areas	Name/ Identity	Aerial distance (within 15 km.) from Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	No such area is located within the 15 km radius of the proposed project area.
2	Areas which are important or sensitive for ecological reasons- Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	Dhmri R.F - 6 km, NE Pipu R.F - 9 km, SW Haripura Reservoir – 8.8 km, N
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	Nil
4	Inland, coastal, marine or underground waters	Yes	Aswa Nalla – adjacent on south Bhakra river – 2.1 km W Bhakra canal – 6.2 km NE Khala river – 1.5 km NW Thandapani River -5.6 km NW Khajya Canal – 6.2 km NW Saudiya river -7.5 km NW Kakrala River – 7.3 k NW Nihal river – 6.8 km NW Khairiya river – 5.1 km E Hatyari river – 8.5 km E Dhimri river – 6.3 km SE Kagarsen river – 7.7 km NE
5	State, National boundaries	Yes	UP - Uttarakhand border 6.5 km on south
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	Yes	NH 309 - 3.5 km on SW
7	Defence installations	No	Not within 15 km of the project site
8	Densely populated or built-up area	Yes	• Dineshpur Nagar Panchayat population approx. 11343 as per 2011 census – on SE • Anandkheda Village – 500 m on south • Durgapur No. 2 village population -700 m on West
9	Areas occupied by sensitive man-made land uses (*hospitals, schools, places of worship, community facilities)*	Yes	There are some sensitive man-made *hospitals, schools, college* within study area however some nearby are as follows: Govt. Primary school, Dineshpur – 880 m on N Govt. Inter College, Dineshpur – 980 m on N Govt. Girls InterCollege, Dineshpur-1.5 km on N

			Primary Health Centre, Dineshpur – 1.2 km on N Bharat Hospital – 950 km on N Bishwas Red Rose Inter College, Anandkheda- 600 m SE Mother India Global School – 810 m on South
10.	Areas containing important, high quality or scarce resources *(Ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)*	Yes	Adjacent fields are used for agriculture.
11	Areas already subjected to pollution or environmental damage *(Those where existing legal environmental standards are exceeded)*	No	Nothing specific
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (*Earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions*)	Yes	The area falls in Zone IV, according to the Indian standard seismic Zoning map. The site is located adjacent to Aswa Nalla.

(IV) **Proposed Terms of Reference (TOR) for EIA studies given below: -**

A. Executive Summary: Including idea of the objectives of the proposal, use of resources, justification, etc. In addition, it should provide a compilation of EIA report, EMP and the post project monitoring plan in brief.

B. Introduction of Project: The project background need and proposed management system on cluster approach basis through public private partnership.

C. Project description: Type of Project, Justification for Selection of site, Land requirement including its optimization, breakup & availability, Complete process flow diagram describing each of the unit process and operations, Source of water & its availability, Power requirement and its source and manpower requirement. The project should be designed based on the population projections as by Master Plan

D. Description of the environment:

1. **Land Environment**
   - ❖ 10 km. radius map (on survey of India toposheet) showing co-ordinates of project site, national highways, state highways, district roads/approach roads, river, canal, natural drainage; protected areas under Wild Life (Protection) Act, archaeological site, natural lake, flood area, human settlements (with population), industries, high tension electric line, prominent wind direction (summer and winter), effluent drain, if any and ponds etc. will be presented and impacts assessed on the same.
   - ❖ Land use pattern.
   - ❖ Details of geology will be submitted.
   - ❖ Topography of the area indicating will be submitted.

- ❖ Soil analysis details of the surrounding area of the project site will be submitted.

2. **Air Environment**
   - ❖ Status of ambient air quality for six locations within the project area and buffer zone will be submitted.
   - ❖ Details of the odour control measures will be submitted.
3. **Water Environment**
   - ❖ Water Quality (Ground & surface Water) of studied area shall be submitted at six locations.
   - ❖ Details of storm water/ Leachate collection from the composted area will be submitted.
   - ❖ Details of impact on water bodies/ rivers/ ponds and mitigative measures will be submitted.
   - ❖ Details of impact on the drainage and nearby habitats/settlements (surroundings) will be submitted.
   - ❖ Details of surface hydrology, water table of the area and water regime and impact on the same will be submitted.
   - ❖ Break-up of Water requirement along with the water balance chart.
4. **Noise Environment**
   - ❖ Noise quality in the study area will be reported.
   - ❖ Possible mitigation measures will be submitted.
5. **Baseline Environment**
   - ❖ One complete season AAQ data (except monsoon) for at six locations to be given along with the dates of monitoring as per the New Ambient Air Quality Standards. The location of the monitoring stations shall be decided taking into consideration the pre-dominant downwind direction. At least one monitoring station each in the upwind and in the pre dominant downwind direction will be installed at a location where maximum ground level concentration is likely to occur.
   - ❖ Water quality of surface and ground sources in the study area shall be monitored. Water quality shall be monitored at six locations in and around the Project area. The water samples will comprise of both surface and ground water samples and will be collected and analysed for Physico-Chemical, bacteriological, biological characteristics.
   - ❖ Noise level shall be measured at various locations in and around the project. Locations shall be suitably selected covering different zones such as industrial, residential, commercial and sensitive locations.
   - ❖ Soil quality in the study area will be assessed through collection and analysis of soils at various locations.
   - ❖ Details of flora and fauna will be obtained from secondary sources, like District Gazetteer/ District Statistical Handbooks.
   - ❖ Compliance monitoring protocol will be submitted.
   - ❖ Details of impact on environmental sensitive areas, in the vicinity of the project will be submitted.
   - ❖ Environmental Management Plan and Environmental Monitoring Plan with costs and parameters will be submitted

- ❖ Details of population, socio-economic status within the study/ Impact area will be submitted.

E. Environmental Impact Assessment & mitigation:
Assessment of Ground level concentration and Impact prediction through Air modelling using CPCB approved model. Details of pollution control measures (Air, Water, Soil & Noise)

F. Analysis of Alternatives

G. Environmental Monitoring Plan

H. Additional Studies including Public Consultation, Risk Assessment and Social Impact assessment

I. Project benefits like:

a. Integrated MSW management in line with Solid Waste Management Rule 2016
b. Socio Economic development,
c. Reclamation of land
d. Use of waste.

J. Environmental Cost Benefit Analysis

K. Environmental Management Plan

L. Summary & Conclusion: This section will cover the findings of the study and proposed mitigation measures.

M. Disclosure of the EIA consultant engaged

"I hereby given undertaking that the data and information given in the application and enclosures and true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date: 17/02/2022

Place: Dineshpur, Uttarakhand

2022

Pre-Feasibility Report of Integrated Solid Waste Management Project Dineshpur Cluster [Dineshpur and Gularbhoj ULBs]

Ind Tech House Consult, New Delhi

INDEX

CHAPTER - I
EXECUTIVE SUMMARY

1.1 Introduction

Government of Uttarakhand has decided to implement Integrated Solid Waste Management (ISWM) in all Urban Local Bodies (ULBs) by forming Clusters of ULBs on the concept of Regional level facilities, including landfill site. In this model a cluster of ULBs is formed on the basis of logistical connectivity. The solid waste is to be collected from household in every ULB and it is to be brought to the regional landfill facility in covered vehicles. This regional landfill facility is to be situated in the town which produces maximum municipal solid waste. Then waste is to be weighed, segregated, material recovery and waste processing has to be done. The residual waste is to be scientifically disposed in the scientifically designed Sanitary landfill (SLF).

In this regard, Office of the Program Director, Uttarakhand Urban Sector Development Agency (UUSDA), Uttarakhand had appointed Tata Consulting Engineers (TCE) for "Carrying out Preparation of Detailed Project Report (DPR) for ISWM based on Regional Landfill Site Concept" for Dineshpur Cluster. The Dineshpur Cluster includes Two ULB's viz. Dineshpur and Gularbhoj.

Salient Features of the Project

1	Name of the Applicant	Dineshpur Nagar Panchayat
2	Proposed Project	Integrated Solid Waste Management (ISWM) Project for Dineshpur Cluster (Dineshpur & Gularbhoj ULB's)
3	Proposed Sector	7(i), Common Municipal Solid Waste Management Facility
4	Address for Correspondence/ Telephone number	Dineshpur Nagar Panchayat Ward No. 02, Matkota Road, Dineshpur, Uttarakhand - 263 160 Tel # 059 4923 4605
5	Name	Mr. Sanjay Kumar
	Designation (Owner/Partner/CEO)	Executive Officer
	Proposed land area	0.385 Ha

	Project Site Co-ordinates	Geographical Co-ordinates: Latitude: 29°02'07.60"N Longitude: 79°19'04.50"E
	Design period and Capacity	10 TPD MSW Processing Facility for Dineshpur cluster with a design capacity of 25 years. The civil infrastructure for waste processing is proposed considering waste generation of next 25 years [21 TPD] at both the ULBs.
	Components of the proposed facility	The facility will include – windrow composting of organic wastes, baling of dry wastes, temporary storage shed of inert waste for further weekly disposal at regional landfill facility at Rudrapur.
	Manpower requirement	Manpower requirement for the proposed processing and disposal facility is 12.
	Total Water Requirement/ Source	4 KLD Fresh water. Source: Onsite groundwater abstraction
	Cost of proposed Project	INR 347.67 lakhs

CHAPTER – 02

INTRODUCTION OF THE PROJECT/BACKGROUND INFORMATION

2.1 Identification of the Project and Project Proponent

Urban solid waste management has become one of the important facets of public health. With rapid urbanization and changing lifestyles, there is an increased generation of MSW quantity which makes the problem of MSW management increasingly acute Most of the urban areas are overwhelmed by discriminating problems related to solid waste management. The collection and disposal of solid waste is one of the pressing problems in the urban areas.

The scarcity of suitable landfill sites is one of the constraints increasingly being faced by ULBs in the discharge of their functions. As a result, even several years after the issuance of the SWM Rules 2016, the state of solid waste management systems in the country continues to raise serious public health concerns. Regional or inter-municipal solutions provide a viable option to redress this situation. Working together can be a practical and cost-effective way to discharge common tasks, share resources, and take advantage of the economies of scale that such arrangements would provide. This is applicable in the case of both large municipal bodies which experience scarcity of land resources, as well as smaller ones which may find technical and financial resources a challenge.

Dineshpur is a town and a nagar panchayat in Udham Singh Nagar district and Gularbhoj is a small village in the Gadarpur Block In Udham Singh Nagar District in Kumaon Division of Uttarakhand.

Two ULB's Dineshpur and Gularbhoj are considered for the Integrated Solid waste management plan for the Dineshpur cluster. The cluster is finalized ensuring optimization of the quantity of the solid waste and travel distance in the best possible way for the current scenario. The two ULB's are connected by road [approx. 6.5 km distance]. Dineshpur is the largest ULB in the cluster with Maximum population and waste generation respectively.

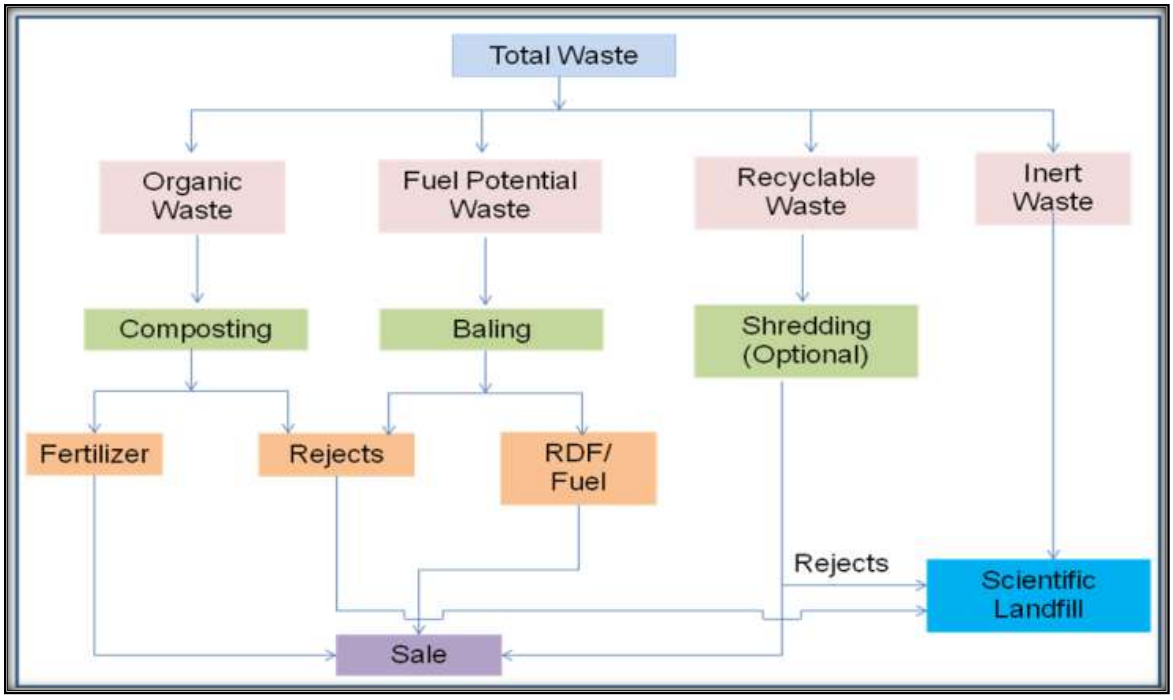
2.2 Brief Description of the Project

An integrated solid waste management (ISWM) facility on Cluster Approach at Dineshpur city will be established with redesigning & improving the existing solid waste management

system in an environmentally and economically sustainable manner. The project falls under Category 'B' of Schedule 7(i) Common Municipal Solid Waste Management Facility as per the EIA Notification, 2006 & its amendments thereof and will be appraised by SEAC Uttarakhand. The project consists of:

- Segregation and storage
- Primary Storage & Collection System
- Secondary Storage, Collection & Transportation System
- Integrated Solid Waste Management Facility on Cluster Approach at Dineshpur

The proposed infrastructure for primary waste collection will enforce segregation of waste at all the waste generation sources followed by separate collection and transportation system. The blueprint of the same is given in Figure below.



Proposed Waste Management System

2.3 Need of the Project

Government of Uttarakhand has decided to implement Integrated Solid Waste Management projects in all ULBs by forming Clusters on the concept of Regional Level Facilities, including Landfill Site. In this model, clusters of ULBs are proposed to be formed based on proximity, logistics and quantity of waste generated in the cluster. The solid wastes generated in ULBs

is proposed to be collected from household and brought to the regional landfill facility in covered vehicles. This regional landfill facility is proposed to be ideally situated in and around the ULB that generates maximum municipal solid waste in the cluster.

Office of the Program Director, Uttarakhand Urban Sector Development Agency (UUSDA), Uttarakhand has prepared a Detailed Project Report (DPR) for ISWM based on Regional Level Concept for Dineshpur Cluster through Tata Consulting Engineers.

ISWM is an organized process of storage, collection, transportation, processing of MSW and disposal of process rejects in an engineered sanitary landfill. It is an integrated process comprising several collection methods, varied transportation equipment, storage, recovery mechanisms for recyclable material, reduction of waste volume and quantity by methods such as composting and scientific disposal of process rejects in an eco-friendly manner.

The Implementation of ISWM is an important component of the Government of India's "Swachh Bharat Mission" (SBM) - component IV. Considering the above, UUSDA proposes to strengthen the ISWM system in each ULB covering segregation, collection, transportation, recycling, processing and disposal. The project shall comply with the Solid Waste Management Rules, 2016 (SWM Rules, 2016), CPHEEO manuals (including cost recovery mechanism), Operation & Maintenance (O&M) practices and service level benchmark advisories released by MoUD from time to time. SWM Rules, 2016 stipulate that each ULB should treat and dispose of the MSW generated by them in a manner so as not to cause damage to human health and environment.

CHAPTER – 03

PROJECT DESCRIPTION

3.1 Type of the Project

Dineshpur - Municipal Solid waste management facility for Dineshpur cluster will be developed in Dineshpur. Organic waste is proposed to be treated by composting technology along with wet waste from Gularbhoj. The dry waste will be baled and sold to recyclers. The inert waste storage shed is proposed at MSW processing facility at Dineshpur for temporary storage of the inert waste and then ultimately disposed to regional landfill site at Rudrapur, preferably once in week. Rudrapur is located at a distance of about 18 km from Dineshpur town.

Gularbhoj - Decentralized dry waste segregation center is proposed in this ULB. The dry waste will be baled and sold to recyclers.

The land available for setting up of processing site at Dineshpur is 0.4 Ha [4000 sqm]. The civil infrastructure for waste processing will be made considering waste generation of next 25 years [21 TPD] at both the ULBs.

3.2 Location

Dineshpur ULB in this cluster is a Nagar Panchayat in the district of Udham Singh Nagar and is located in the south-eastern part of the Indian state of Uttarakhand at 29°04´N and 79°32´E. It is around 244 km by road from state capital Dehradun. Matkota-Gadarpur Road and Dineshpur-Jafarpur are the major roads that cross the town and are the main center of commercial activities.

Gularbhoj is a small Village/hamlet in Gadarpur Block in Udam Singh Nagar District and comes under Gularbhoj Panchayat. It is located 17 KM towards North from District headquarters Rudrapur, 6 KM from Gadarpur and 215 KM from State capital Dehradun. It is located at 29°05’30.28” N 79°18’56.35” E. The distance between Dineshpur and Gularbhoj is approx. 6.5 km by road.

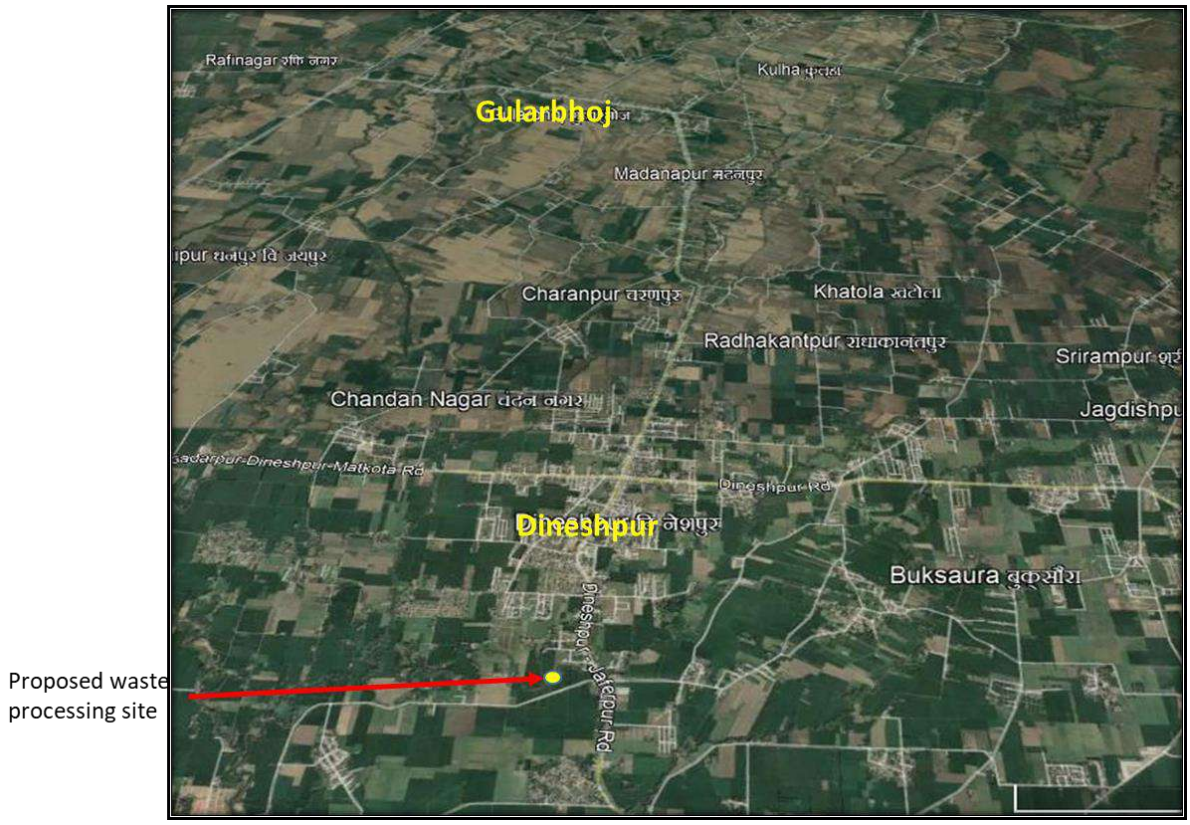


Figure 3.1 Location of Two ULBs and Waste Processing Site

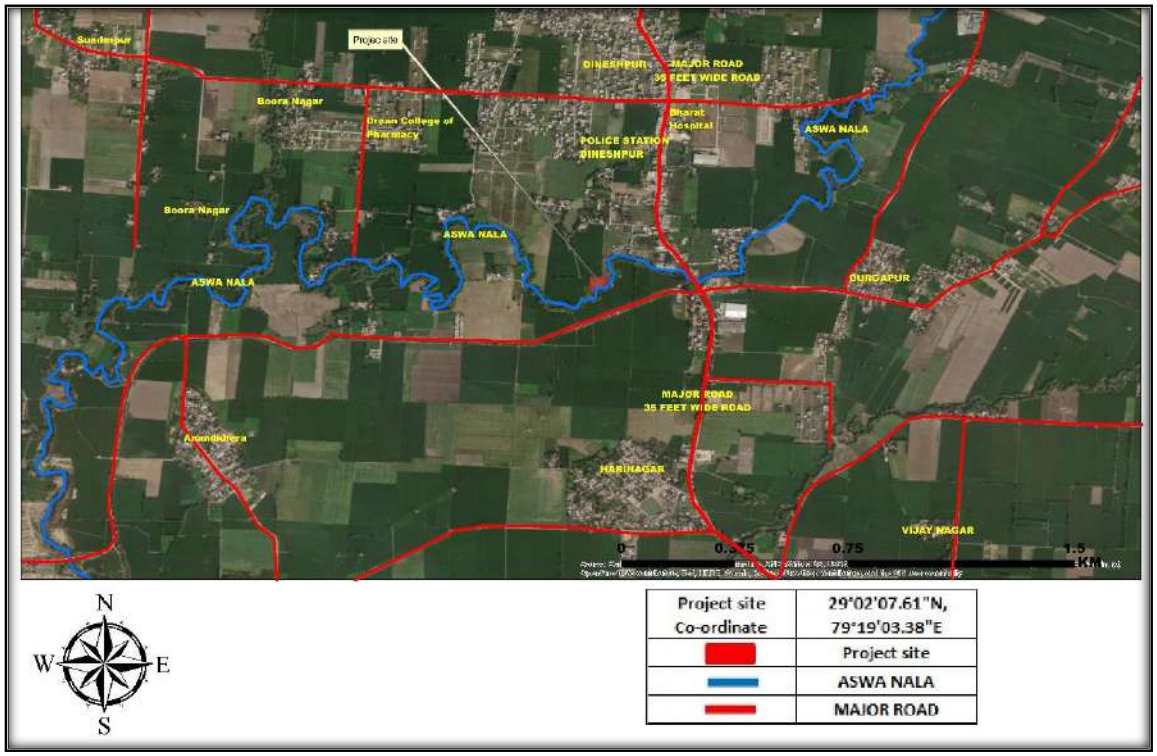


Figure 3.2 Proposed Waste Processing Site Location on Google Earth Imaginary

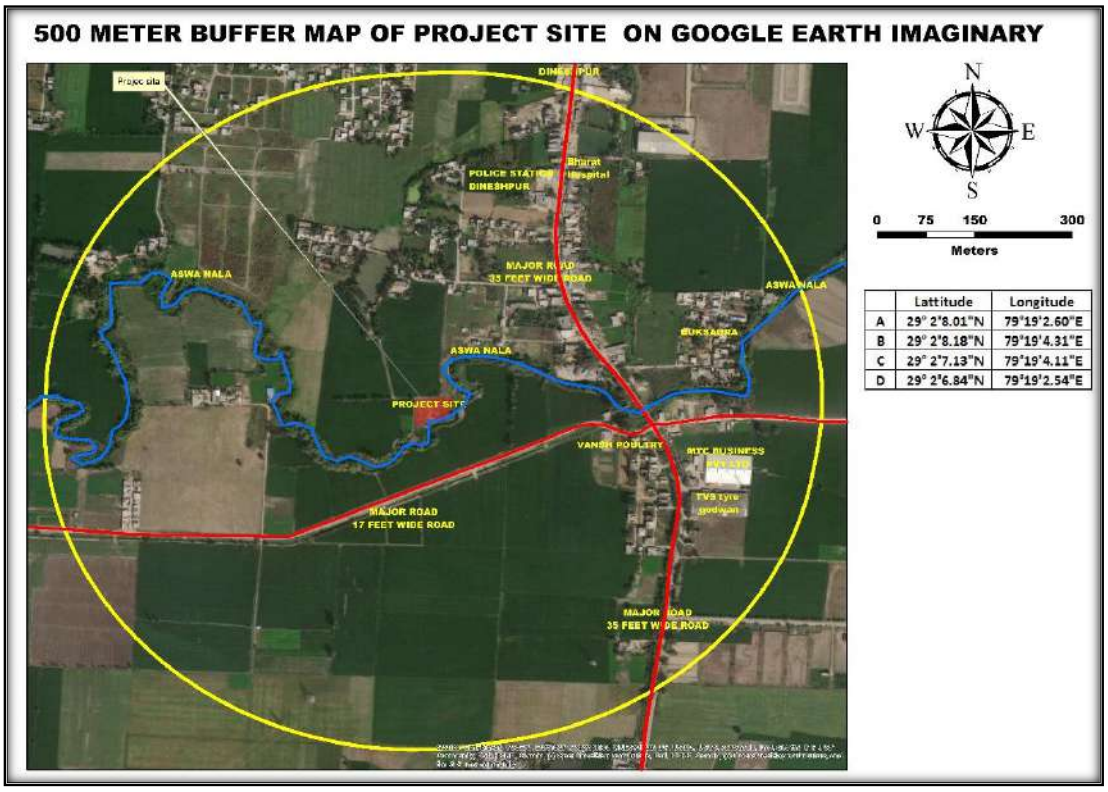


Figure 3.3: 500m Buffer Map of Proposed Site

3.3 Project Description

3.3.1 MSW Wastes Projection

The per capita waste generation is considered as 400 grams per day and for floating population 40 grams per capita per day is adopted.

Year	Projected Population	Floating Population	Per capita solid waste (in kgs/day)	Floating Population (per capita solid waste (in kgs/day))	Total population SW Generation (TPD)	Floating population SW Generation (TPD)	Total Solid Waste Generated (TPD)
2020	13587	543	0.41	0.041	5.54	0.022	5.57
2025	14787	591	0.450	0.045	6.660	0.027	6.69
2030	15953	638	0.497	0.112	7.93	0.032	7.97
2035	17085	683	0.055	0.549	8.545	0.038	9.42
2040	18183	727	0.061	0.606	9.529	0.044	11.07
2045	19248	770	0.067	0.669	12.88	0.052	12.94

Figure 3.4: Waste Projection for Dineshpur

Year	Projected Population	Floating Population	Per capita solid waste (in kg/day)	Floating Population (per capita solid waste (in kg/day))	Total population SW Generation (TPD)	Floating population SW Generation (TPD)	Total Solid Waste Generated (TPD)
2020	8157	816	0.408	0.041	3.33	0.033	3.36
2025	8824	882	0.450	0.045	3.97	0.040	4.01
2030	9491	949	0.497	0.050	4.72	0.047	4.77
2035	10158	1016	0.549	0.055	5.58	0.056	5.63
2040	10825	1082	0.606	0.061	6.56	0.066	6.63
2045	11491	1149	0.669	0.067	7.69	0.077	7.77

Figure 3.5: Waste Projection for Gularbhoj

3.3.2 Existing Solid Waste Management System [Dineshpur]

The flow diagram of existing solid waste management in Dineshpur is represented as below -

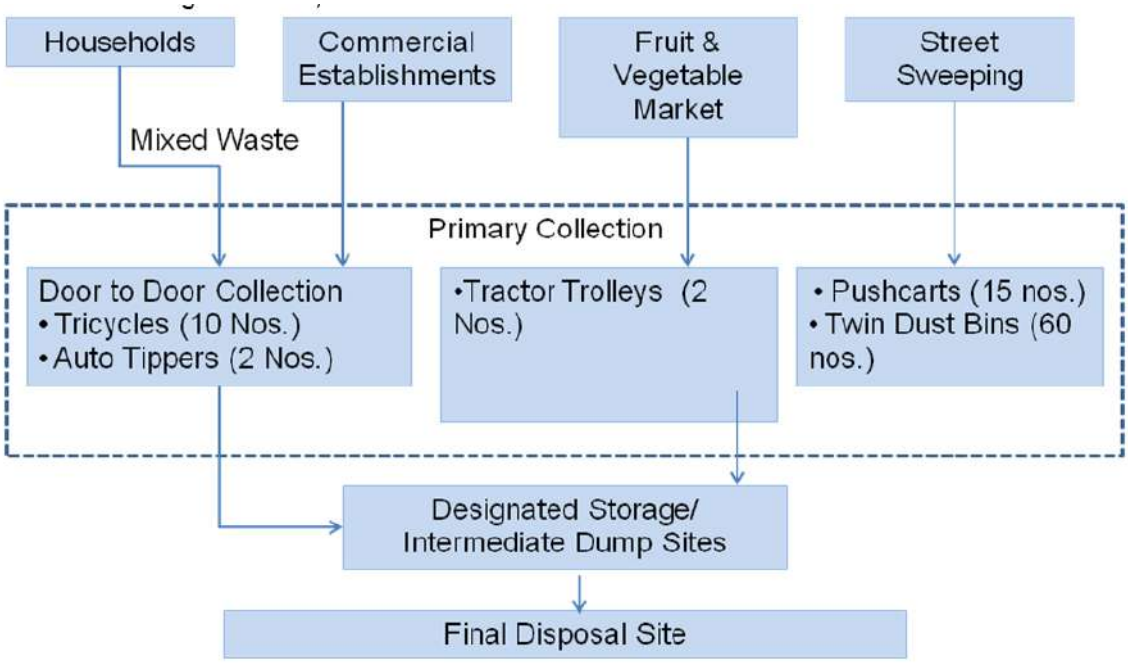


Figure 3.6: Existing Solid Waste Management System - Dineshpur

Present Disposal – All the solid waste generated at Dineshpur is dumped presently on sides of Gadarpur Road without any processing. The site is having a level difference of 1- 1.5 m from the road and the waste is being dumped in these low-lying areas.

3.3.3 Existing Solid Waste Management System [Gularbhoj]

Solid waste is collected and transported from residential, commercial and street sweeping by the Gularbhoj Nagar Panchayat (GNP). Source segregation is not achieved 100% across the entire town and missed waste is collected and transported to community bin. Transportation of waste is being done using auto tipper.

3.3.4 Proposed Solid Waste Management System [Dineshpur Cluster]

For the proposed project of SWM of Dineshpur Cluster (Dineshpur & Gularbhoj), following components are proposed:

- Household Bins for source segregation
- Roadside Bins
- Wheel Barrows for sweepers
- Auto Tippers for DTDC
- Processing facility infrastructure for 25 years
- All ancillary buildings and machineries
- Safety equipment's for all the workers

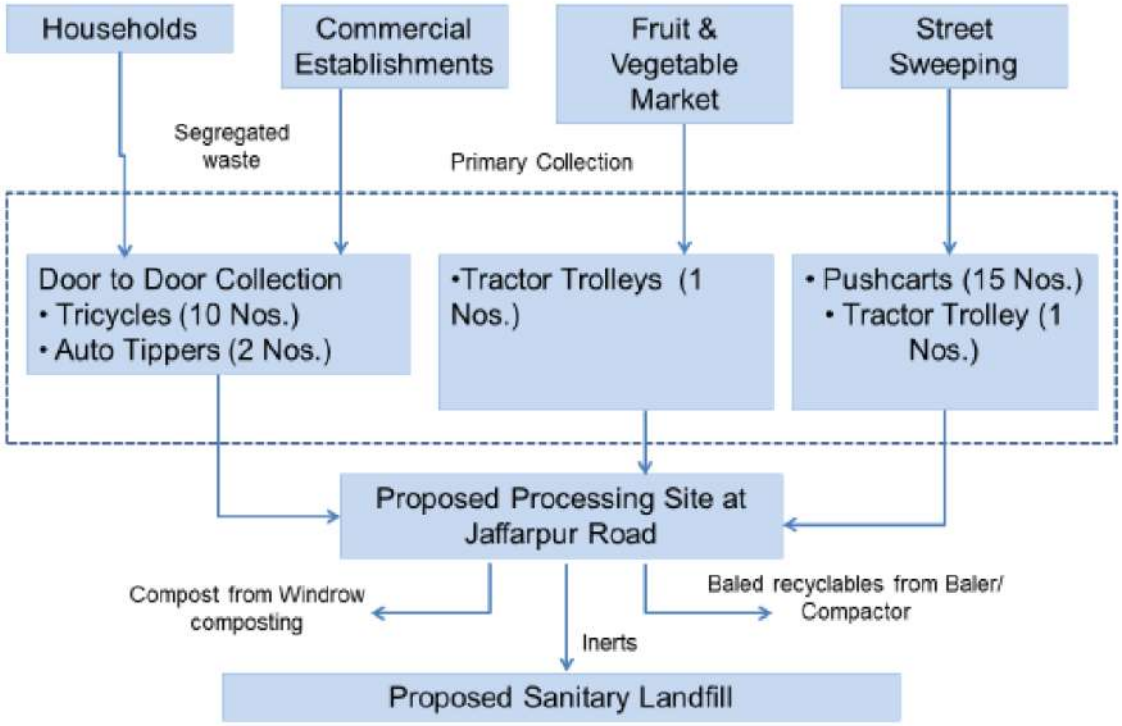


Figure 3.7: Proposed Solid Waste Management System - Dineshpur

The efficiency of the proposed Waste Management Plan will be driven by the separation of waste at the primary collection level. For this purpose, following approach needs to be adopted by the residents as well as the Municipality personnel –

- Create awareness for segregation and storage of waste in three bin system for wet, dry and household biomedical/ hazardous waste
- Organize awareness campaigns for waste segregation through local NGO's, school representatives
- Regular meeting and interaction with representatives of local residents' associations, community participants, NGO's etc.
- To direct waste generators not to throw waste in the neighborhoods on streets and other open areas.

However, it is not easy to implement source segregation practices immediately. A prolonged campaign will be required with adequate budgetary provisions to impress the citizens that source segregation will provide them a healthy environment and a better lifestyle.

3.3.5 Proposed Wastes Processing Facility at Dineshpur

The facility will include –

- windrow composting of organic wastes collected from Dineshpur and Gularbhoj
- baling of dry wastes from Dineshpur
- temporary storage shed of inert waste for further weekly disposal at regional landfill facility at Rudrapur.

At present the proposed facility will manage 10 TPD municipal solid wastes processing for Dineshpur cluster with a design capacity of 25 years [21 TPD]. A Detailed Project Report has been prepared and as per DPR, the project has the capacity of 21 TPD as the wastes quantity will rise in next 25 years.

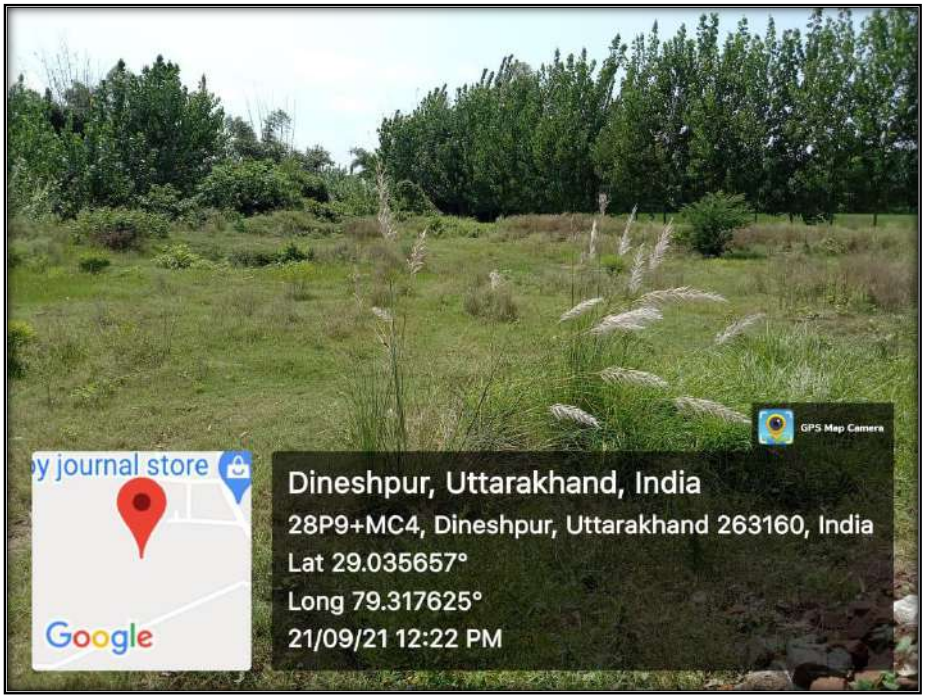


Figure 3.8: Proposed Site for Solid Waste Management Facility at Dineshpur

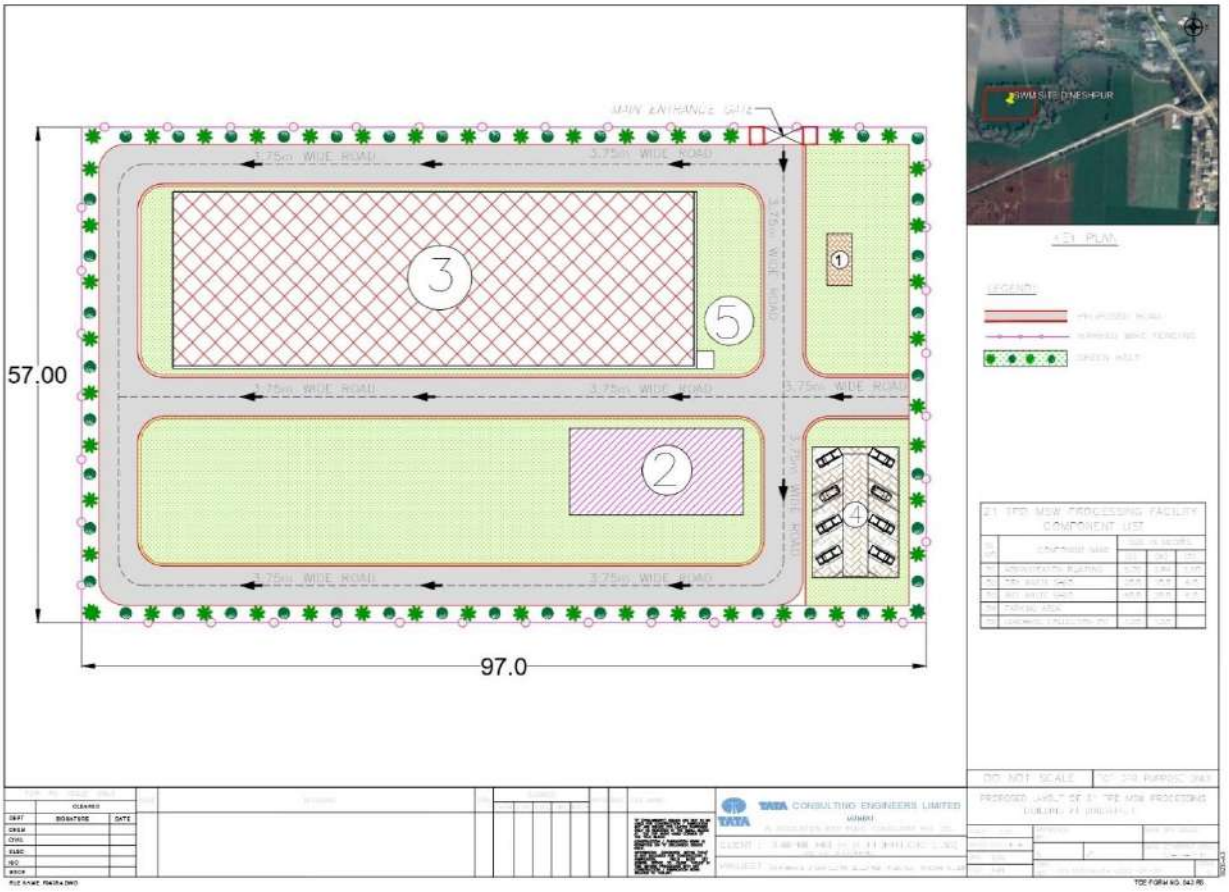


Figure 3.8: Proposed Project Layout Plan - Dineshpur

CHAPTER-04

SITE ANALYSIS

4.1 Site Selection

No alternative sites examined. Due to unavailability of alternate land, Govt. of Uttarakhand has approved the site for setting up of Dinespur Cluster MSW processing unit.

Location Criteria	**Village-Chandayan, Ward No. 09, Indra Nagar, Dineshpur, Tehsil-Gadarpur, Dist – Udham Singh Nagar, Uttarakhand – 263 160**
Lake or Pond: No landfill should be constructed within 200 m of any lake or pond. Because of concerns regarding runoff of waste water contact, a surface water monitoring program should be established if a landfill is sited less than 200 m from a lake or pond.	No lake or pond within 200 m radius of the site
River: No landfill should be constructed within 100 m of a navigable river or stream. The distance may be reduced in some instances for non-meandering rivers but a minimum of 30 m should be maintained in all cases	No river within 100 m radius. Aswa Nalla [storm water channel-seasonal] is located adjacent to the project site on south outside the project boundary.
Flood Plain: No landfill should be constructed within a 100 year flood plain. A landfill may be built within the flood plains of secondary streams if an embankment is built along the stream side to avoid flooding of the area. However, landfills must not be built within the flood plains of major rivers unless properly designed protection embankments are constructed around the landfills	The project site is not located in any flood plain.
Highway: No landfill should be constructed within 200 m of the right of way of any state or national highway. This restriction is mainly for aesthetic reasons. A landfill may be built within the restricted distance, but no closure than 50 m, if trees and berms are used to screen the landfill site	No national or state highway within 200 m of the site. NH 309 passes - 3.5 km on SW

Habitation: A landfill site should be at least 500 m from a notified habitated area. A zone of 500 m around a landfill boundary should be declared a No-Development Buffer Zone after the landfill location is finalized.	This proposed site is not for a landfill project. It will be a solid waste processing site and will include - windrow composting of organic wastes, baling of dry wastes, temporary storage shed of inert waste for further weekly disposal at regional landfill facility at Rudrapur. Nearby habitation is located at a distance of 80 m on NE of project site.
Public Parks: No landfill should be constructed within 300 m of a public park. A landfill may be constructed within the restricted distance if some kind of screening is used with a fence around the landfill and a secured gate.	No public park within 300m.
Critical Habitat Area: No landfill should be constructed within critical habitat areas. A critical habitat area is defined as the area in which one or more endangered species live. It is sometimes difficult to define a critical habitat area. If there is any doubt then the regulatory agency should be contacted	Not a critical habitat area.
Wetland: No landfill should be constructed within wetlands. It is often difficult to define a wetland area. Maps may be available for some wetlands, but in many cases such maps are absent or are incorrect. If there is any doubt, then the regulatory agency should be contacted	Not a wetland.
Ground Water Table: A landfill should not be constructed in areas where water table is less than 2 m below ground surface. Special design measures be adopted, if this cannot be adhered to.	Ground water table is approx.. 4 m bgl.
Airports: No landfill should be constructed within the limits prescribed by regulatory agencies (MoEF/CPCB/Aviation Authorities) from time to time	Pantnagar Airport – aerial distance 14 km on East

Water Supply Well: No landfill should be constructed within 500 m of any water supply well. It is strongly suggested that this locational restriction be abided by at least for down gradient wells. Permission from regulatory agency may be needed if a landfill is to be sited within the restricted area	This is not a landfill project. However, No centralized water supply well exists around the project site.
Coastal Regulation Zone: A landfill should not be sited in a coastal regulation zone.	Site not located in a coastal regulation zone
Unstable Zone: A landfill should not be located in potentially unstable zones such as landslide prone areas, fault zone etc.	The area is not a potentially unstable zone.

4.2 Connectivity

Dineshpur - Pant Nagar Airport is the nearest Airport to Dineshpur situated at a distance of 17 km. Taxis are available from Pant Nagar Airport to Dineshpur.

Nearest Railway Station is Rudrapur City Railway Station which is well connected by railways with major cities of India.

Dineshpur is well connected with motorable roads with major destination of Uttarakhand state. Buses to Rudrapur a nearest city from Dehradun and Delhi are easily available

Gularbhoj – Gularbhoj railway station and Beria Daulat Railway Station are the nearby railway stations to Gularbhoj.

Gularbhoj is well connected to all major cities of the states and region. The nearest national Highway is NH 309. Gularbhoj is well connected to motorable roads with major destination of Uttarakhand state. Buses to Rudrapur a nearest city from Dehradun and Delhi are easily available.

4.3 Land Form, Land Use and Land Ownership.

Project site is an undeveloped vacant land [0.385 Ha] owned by Dineshpur Nagar Panchayat. The land has been approved by Govt. of Uttarakhand for the proposed project. Current landuse of the plot is industrial. So, there will be no change in land use due to development of Solid Waste Management Facility.

4.4 Topography (along with Map)

The site falls in the survey of India toposheet No. 53O/8. The land within the existing remises is almost flat without any undulations. Average elevation of the site is 216m above sea level. Due to proposed project, there will be minor topographical changes due to the excavations, construction activities pertaining to the project.

4.5 Existing Land Use Pattern (Agriculture, On-Agriculture, Forest, Water Bodies (including area under CRZ), Shortest distances from the Periphery of the Project to the Periphery of the Forests, National Park, Wild Life Sanctuary, Eco Sensitive Areas, Water Bodies (distance from the HFL of the River), CRZ, in case of Notified Industrial Area, a copy of the Gazette Notification should be given.

The land area of 0.385Ha is already handed over to Dineshpur Nagar Panchayat where the proposed solid waste processing facility will be setup.

Land-use Pattern - Current land use is industrial.

List of the Reserve Forests present in Buffer Zone -

- Dhmri R.F - 6 km, NE
- Pipu R.F - 9 km, SW
- Haripura Reservoir – 8.8 km, N

List of the Protected Forests present in Buffer Zone - No such area is located within the 15 km radius of the proposed project area.

List of the Water bodies present in Buffer Zone -

- Aswa Nalla – adjacent on south
- Bhakra river – 2.1 km W
- Bhakra canal – 6.2 km NE
- Khala river – 1.5 km NW
- Thandapani River -5.6 km NW
- Khajya Canal – 6.2 km NW
- Saudiya river -7.5 km NW
- Kakrala River – 7.3 k NW
- Nihal river – 6.8 km NW

- Khairiya river – 5.1 km E
- Hatyari river – 8.5 km E
- Dhimri river – 6.3 km SE
- Kagarsen river – 7.7 km NE

"No national park/wild life sanctuary present within the 10 km radius of the project site"

4.6 Existing Infrastructure

The site is approached from Dineshpur- Jaferpur Road [approx. 30 feet wide] through existing kuchha village road [approx. 15 feet wide]. The final approach stretch of approx. 170m to be constructed by the Nagar Panchayat which joins the existing pucca road [110m stretch]. This road finally joins Dineshpur- Jaferpur Road.

The proposed site does not have any existing infrastructure. All facilities will be developed by the Nagar Panchayat.

4.7 Climatic Data from Secondary Sources

Dineshpur is situated at an altitude of around 222m above sea level. The climate of Dineshpur is generally temperate, although it varies from tropical, from hot in summers to severely cold. During the summer months, the temperature often reaches 42°C. The winter months are colder with the maximum and minimum temperatures touching 20°C and 4°C respectively.

Rainfall is scattered and ranges from 300 to 400 mm per year. Most of the average annual rainfall is received during the months from June to September.

Gularghoj experiences a maximum temperature up to 40°C in summer whereas as low as 28oC in winter. The average annual rainfall is 1500 mm.

4.8 Social Infrastructure Available

Udham Singh Nagar district falls in the Tarai region of Kumaon Divison. Udham Singh Nagar District is the food bowl of Uttarakhand State. Prior to its formation, it was part of District Nainital. It was separated out on the basis of physiographical conditions i.e. Tarai.

The Dineshpur town is divided into 7 wards. The Dineshpur Nagar Panchayat has population of 11,343 of which 5,888 are males while 5,455 are females as per Census India 2011 data.

There are some hospitals, schools, places of worship and community facilities within 15 Km radius of the project site.

- Govt. Primary school, Dineshpur – 880 m on N
- Govt. Inter College, Dineshpur – 980 m on N
- Govt. Girls InterCollege, Dineshpur-1.5 km on N
- Primary Health Centre, Dineshpur – 1.2 km on N
- Bharat Hospital – 950 km on N
- Bishwas Red Rose Inter College, Anandkheda- 600 m SE
- Mother India Global School – 810 m on South

CHAPTER – 05
PLANNING BRIEF

5.1 Planning Concept (Type of Industries, Facilities, Transportation etc.) Town and Country Planning/Development Authority Classification.

Dineshpur is the ULB in this cluster, which is Nagar Panchayat and has population of around 11343 as per 2011 census. Gularbhoj is a small Village/hamlet in Gadarpur Block in Udham Singh Nagar District of Uttarakhand State, India and It comes under Gularbhoj Panchayat.

SN	Name of the ULB	Population as per 2011 Census	Grade
1	Dineshpur	11343	Nagar Panchayat
2	Gularbhoj	6957	Panchayat
	Total Population	18300	

Manpower requirement at the waste Processing Facility, Dineshour

Sr. No.	Designation/ Post	Numbers
	Dineshpur	
1	Supervisor cum Weighbridge operator	1
2	Watchmen	2
3	Skilled (Driver/operator, etc)	1
4	Unskilled Labours	8
	Total	12

5.2 Population Projection

The population projection for Dineshpur ULB has been carried out based on following methods –

- Average state growth rate
- Incremental increase method
- Arithmetic increase
- Geometric increase
- Decadal growth rate
- Exponential method

It was found that average of Incremental Increase and Arithmetical Increase gives best fit average and the same was adapted for the design purpose of Dineshpur. In the case of Gularbhoj, due to non-availability of census population of four decades, and fluctuation in the population for three decades. The average state growth rate (19.17%) is adopted for the population projection and the design purpose. The average of the population growth of Dineshpur and Gularbhoj for 5 years interval is given in Tables below-

Population Projection for Dineshpur

Horizon Year	2020	2025	2030	2035	2040	2045
Incremental increase method	13472	14560	15581	16534	17420	18238
Arithmetic increase method	13703	15014	16325	17636	18947	20258
Average	**13587**	**14787**	**15953**	**17085**	**18183**	**19248**

Population Projection for Gularbhoj

Horizon Year	2020	2025	2030	2035	2040	2045
State average growth rate	8157	8824	9491	10158	10825	11491

5.3 Solid Waste Generation and Projection

The qualitative and quantitative assessment along with solid waste projections for solid waste was carried out for the cluster. In absence of any existing information on MSW, the average Indian profiling has been taken up to understand the solid waste quantity in the

ULB. Total waste generation of each ULB's has been calculated considering waste generation @400 gram /person per day.

Estimated Solid Waste Generation in Dineshpur

Year	Projected Population	Per capita generation (kg/day)	Floating Population	Floating population per capita generation (kg/day)	Total Population SW generation (TPD)	Floating population SW generation (TPD)	Total SW generation (TPD)
2020	13587	0.410	543	0.041	5.54	0.022	5.57
2025	14787	0.450	591	0.045	6.66	0.027	6.69
2030	15953	0.497	638	0.112	7.93	0.032	7.97
2035	17085	0.549	683	0.055	8.545	0.038	9.42
2040	18183	0.606	727	0.061	9.529	0.044	11.07
2045	19248	0.669	770	0.067	12.88	0.052	12.94

Estimated Solid Waste Generation in Gularbhoj

Year	Projected Population	Floating Population	Per capita solid waste (in kg/day)	Floating Population (per capita solid waste (in kg/day))	Total population SW Generation (TPD)	Floating population SW Generation (TPD)	Total Solid Waste Generated (TPD)
2020	8157	816	0.408	0.041	3.33	0.033	3.36
2025	8824	882	0.450	0.045	3.97	0.040	4.01
2030	9491	949	0.497	0.050	4.72	0.047	4.77
2035	10158	1016	0.549	0.055	5.58	0.056	5.63
2040	10825	1082	0.606	0.061	6.56	0.066	6.63
2045	11491	1149	0.669	0.067	7.69	0.077	7.77

Waste Composition for Dineshpur

Year	Total Solid Waste Generated (TPD)	Inert Waste - TPD	Waste to be treated - TPD	Composting- TPD	Dry Waste - TPD	Total inert (20% from composting + Inert waste)- TPD
		15.00%	85.00%	45.00%	40.00%	
2020	5.57	0.83	4.73	2.50	2.23	1.34
2025	6.69	0.87	4.91	2.60	2.31	1.61
2030	7.97	0.90	5.10	2.70	2.40	1.91
2035	9.42	0.93	5.29	2.80	2.49	2.26
2040	11.07	0.97	5.48	2.90	2.58	2.66
2045	12.94	1.00	5.68	3.01	2.68	3.10

Waste Composition for Gularbhoj

Year	Total Solid Waste Generated (TPD)	Inert Waste - TPD	Waste to be treated - TPD	Composting - TPD	Dry Waste - TPD	Total inert (20% from composting + Inert waste) - TPD
		17.98%	82.02%	44.76%	37.26%	
2020	3.36	2.76	1.50	1.25	0.91	0.60
2025	4.01	0.72	3.29	1.80	1.50	1.08
2030	4.77	0.86	3.91	2.13	1.78	1.28
2035	5.63	1.01	4.62	2.52	2.10	1.52
2040	6.63	1.19	5.44	2.97	2.47	1.79
2045	7.77	1.40	6.37	3.48	2.89	2.09

The total of ISWM system is based on the projections given in above section. The civil infrastructure for waste processing is proposed considering waste generation of next 25 years at both the ULBs.

5.4 Land Use Planning

Total land acquired for the proposed waste processing facility at Dineshpur is 0.385 acre. This land is sufficient for the setup of the proposed project. Adequate area will be provided for plantation and greenbelt as per standard norms. Within the proposed land in Dineshpur, processing facility such as composting, baling, temporary storage shed for inert wastes will be constructed.

5.5 Assessment of Infrastructure Demand (Physical & Social)

- Project site is an undeveloped vacant land under possession of Dineshpur Nagar Panchayat. The land has been approved by Govt. of Uttarakhand for the proposed project. Present landuse of the site is industrial and no agriculture is practiced at site
- The final approach stretch of approx. 170m kuchha road will be constructed by the Nagar Panchayat.
- Fresh water will be sourced trough onsite abstraction of ground water using tube-well. Necessary permission if applicable, will be obtained from the concerned authority.
- Power will be sourced from Grid supply. DG set will be installed for emergency backup during power cut.

There is no other major infrastructural requirement for the project.

5.5 Amenities / Facilities

The necessary arrangement for proposed project for meeting water supply for drinking purposes, toilet facilities for workers, parking facilities will be provided. The leachate collection pit will be constructed. Sewage will be treated through septic tank and soak pit.

CHAPTER – 06
REHABILITATION AND RESETTLEMENT (R & R) PLAN

6.1 Policy to Be Adopted for R & R Plan With Respect To Project- Not Required

There is no displacement of any houses, habitation or livestock. Thus the project does not require any R & R plan.

CHAPTER: 7
PROJECT SCHEDULE AND COST ESTIMATE

7.1 Likely Date of Start of Construction and Likely Date of Completion

The Nagar Panchayat will take necessary approvals from the concerned authority and start the construction after obtaining Environmental Clearance. The Nagar Panchayat has proposed to execute the project through Public private partnership (PPP) based on DBOOT approach for concession period of 25 years. The overall project implementation plan for Integrated Solid Waste Management (ISWM) is given below -

Implementation Plan for ISWM

Sr. No.	Project Activity	Months											
		1	2	3	4	5	6	7	8	9	10	11	12
A	**Procurement of Vehicles & Equipment**												
1	Preparation of Specification and Bid document and Consent to establishment												
2	Invitation of Bid and Bid evaluation												
3	Procurement of vehicles & Equipment for primary collection and transportation for 5 years												
B	**Dry waste processing Unit**												
8	RFP for Development of Dry waste processing Unit												
9	Design Phase												
10	Construction												
11	Commissioning												
C	**Composting (CC) Plant**												
12	RFP for Development of CC												
13	Design Phase												
14	Construction												
15	Commissioning												

7.1 Project Cost

The overall estimated project cost for collection, transportation, processing and disposal of wastes in Dineshpur facility is INR 347.67 Lakhs.

CHAPTER – 09
ANALYSIS OF PROPOSAL

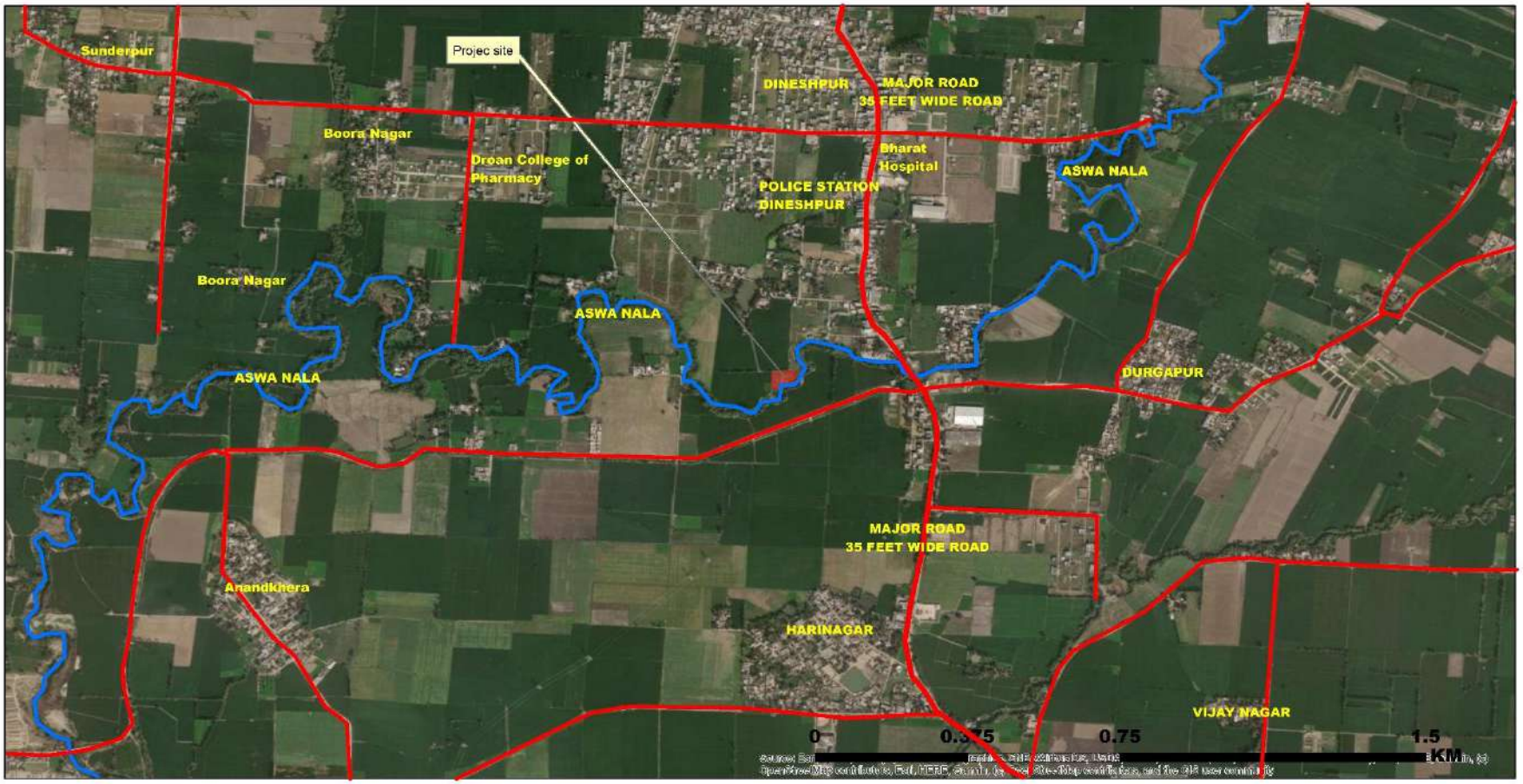
The solid waste management facility is planned for offering better living conditions and disease free environment to the society. The project will enhance cleanliness and aesthetics of the area. It involves door to door collection of waste, transportation, processing, baling of dry wastes and disposal of inert wastes into the regional sanitary landfill at Rudrapur.

- With the proposed infrastructures, Dineshpur ULB will have a full-fledged solid waste processing site which will improve the solid waste management of Dineshpur ULB.
- ULBs shall increase the awareness on waste segregation and its implications if the segregation is not carried out. This will improve awareness and civic sense in people resulting in improvement in quality of life.
- This project will not only provide better disposal of waste but also value addition products like bio-compost, segregated recyclable wastes will be obtained.
- In addition to above, a thick green belt has been proposed to be developed all along the project boundary. This will not only attenuate the pollution and odour emissions from plant but also will add to beauty of the area and will influence the microclimate of the area.
- The project will also have a positive impact in terms of health and socioeconomic development.

Financial Benefits

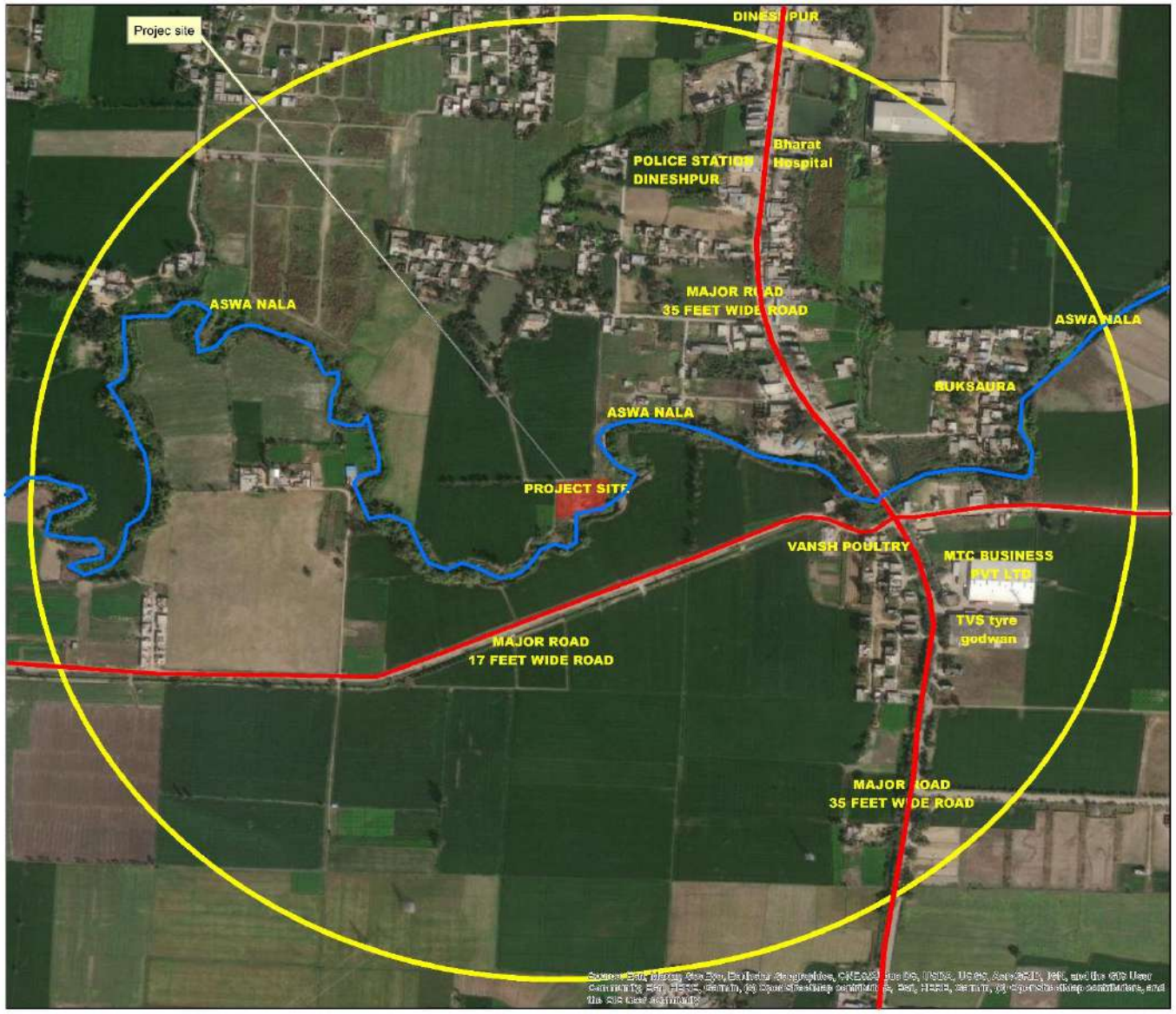
As estimated by the DPR consultant, about 83% of the O&M cost will be recovered from revenue generated from households and commercial establishments as SWM charges, sale of compost, recyclable materials etc. In view of the above, the proposed project seems to be technically and financially viable.

PROJECT LOCATION MAP ON GOOGLE EARTH IMAGINARY



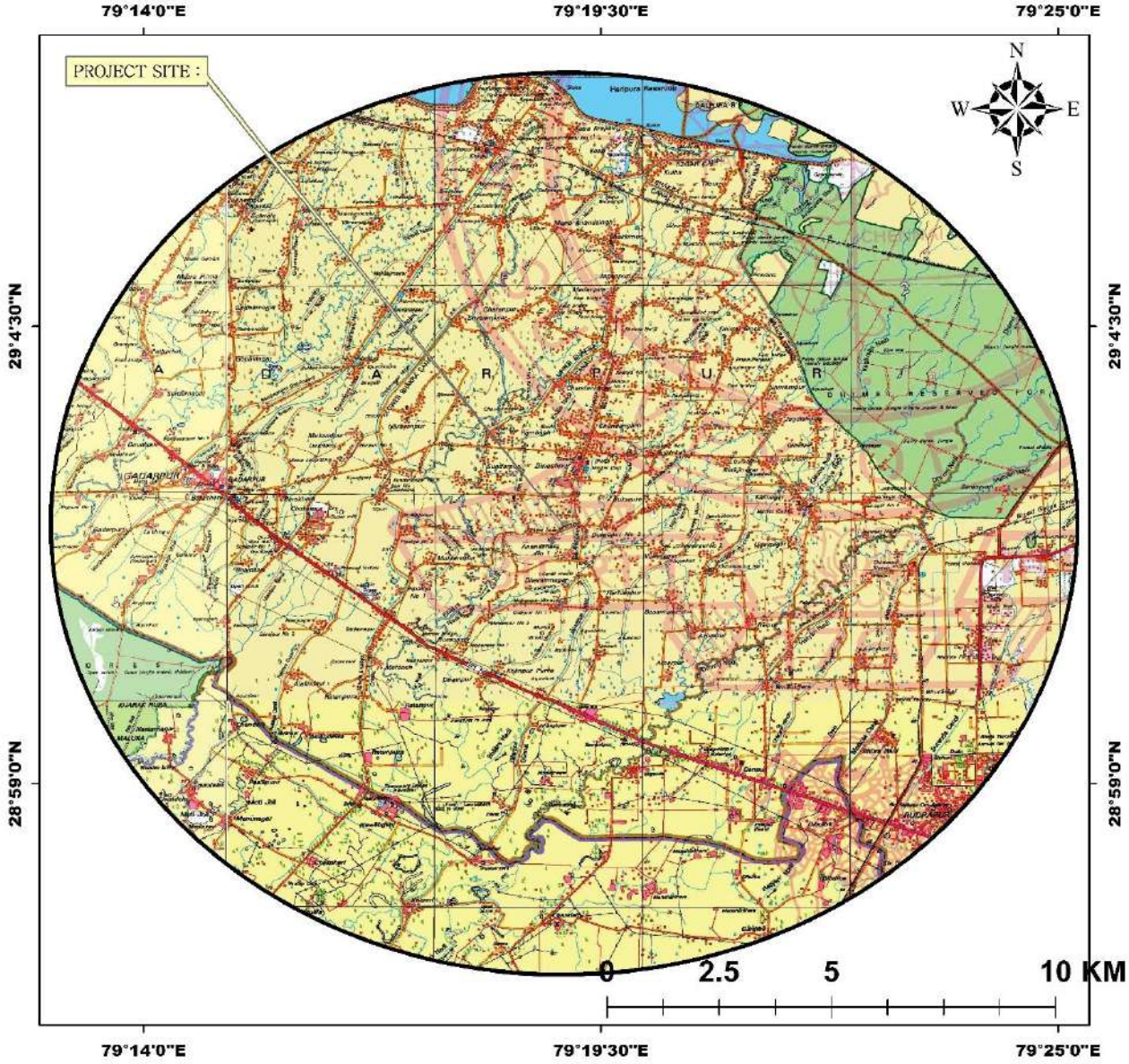
Project site Co-ordinate	29°02'07.61"N, 79°19'03.38"E
	Project site
	ASWA NALA
	MAJOR ROAD

500 METER BUFFER MAP OF PROJECT SITE ON GOOGLE EARTH IMAGINARY



	Lattitude	Longitude
A	29° 2'8.01"N	79°19'2.60"E
B	29° 2'8.18"N	79°19'4.31"E
C	29° 2'7.13"N	79°19'4.11"E
D	29° 2'6.84"N	79°19'2.54"E

10 KM BUFFER MAP OF PROJECT SITE ON GEOREFRENCED TOPOSHEET



LEGEND

PROJECT SITE

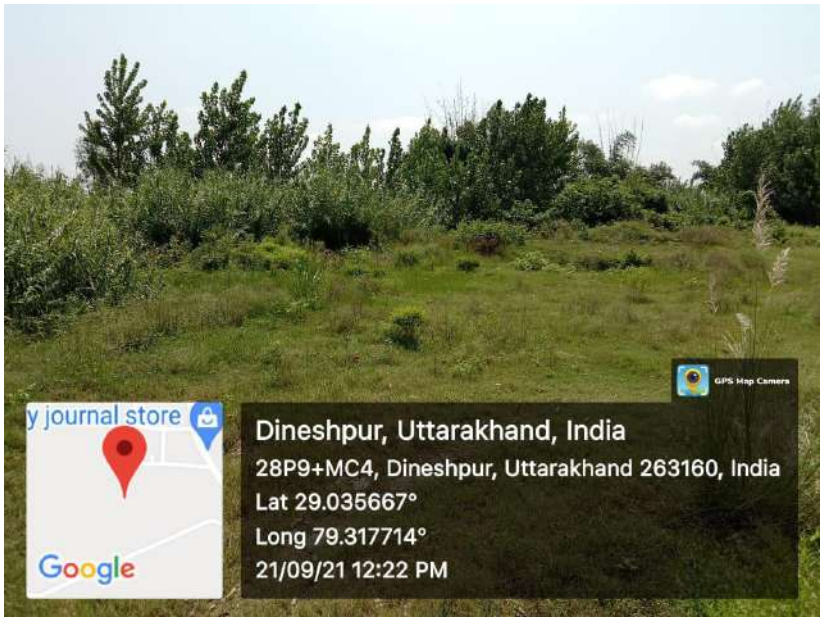
10 KM

TOPOSHEET INDEX	
53O/4	53O/8
53P/1	53P/5

CONVENTIONAL SYMBOLS

Coordinate System: GCS WGS 1984
Datum: WGS 1984
Units: Degree

SITE PHOTOGRAPHS



आदेश

अधिशासी अधिकारी, नगर पंचायत दिनेशपुर के द्वारा प्रस्तुत प्रार्थना पत्र पर, उपजिलाधिकारी बाजपुर कैम्प गदरपुर की जॉच आख्या के आधार पर ग्राम चन्दायन के खाता सं0 0499 के खसरा नं0 732 रकवा 0.050 है0, खसरा नं0 733 रकवा 0.060 है0, खसरा नं0 734 क रकवा 0.050 है0 कुल रकवा 0.160 है0 श्रेणी–1 क संक्रमणीय भूमिधरी में श्री नारायण विश्वास, कार्तिक विश्वास, निरंजन विश्वास पुत्रगण श्री तारापद विश्वास व गोविन्द विश्वास, गौरंग विश्वास, गोकुल विश्वास, राजेश विश्वास, अर्जुन विश्वास पुत्रगण श्री गोपाल विश्वास व श्रीनती निर्मला विश्वास पत्नी श्री गोपाल विश्वास के नाम दर्ज अभिलेख है व खाता सं0 0925 के खसरा खसरा नं0 735 ग रकवा 0.050 है0 भूमि श्रेणी–1 क संक्रमणीय भूमिधरी में रिदु सरकार, तुलसी सरकार, सुभाष सरकार पुत्रगण श्री मनोहर सरकार व ऋषिकेश सरकार, सूरज सरकार पुत्रगण सुशान्त सरकार व ऊषा सरकार पत्नी श्री सुशान्त सरकार के नाम दर्ज माल अभिलेख है, उक्त भूमि 0.160 है0 व खसरा नं0 375 ग रकवा 0.050 है0 का 1/2 भाग 0.0250 है0 भूमि नगर पंचायत दिनेशपुर को भूमि कय कर ठोस अपशिष्ट प्रवन्धन कार्य करने की अनुमति दिये जाने का अनुरोध किया गया है।

उत्तराखण्ड (उ0प्र0 जमीदारी विनाश एवं भूमि व्यवस्था अधिनियम 1950) (अनुकूलन एवं उपान्तरण आदेश (2001) (संशोधन) अधिनियम 2003 की धारा–154(4)(3)(ख) के अन्तर्गत निहित शर्तो /प्रतिवन्धों के साथ उपजिलाधिकारी किच्छा की संस्तुति के आधार पर ग्राम चन्दायन के खाता सं0 0139 के खसरा नं0 732 रकवा 0.050 है0, खसरा नं0 733 रकवा 0.060 है0, खसरा नं0 734 क रकवा 0.050 है0 रकवा 0.160 है0 व खसरा नं0 735 ग रकवा 0.050 है0 भूमि का 1/2 भाग 0.025 है0 इस प्रकार कुल रकवा 0.185 है0 भूमि निम्न शर्तो के अधीन कय करने की अनुमति प्रदान की जाती है।

1– क्रेता धारा 180 दिन के अन्दर भूमि कय कर रजिस्ट्री बैनामा करने हेतु वैद्य होगा।

2– क्रेता धारा 129 ख के अधीन विशेष श्रेणी का अधिकार धना रहेगा।

3– क्रेता बैंक या वित्तीय संस्थानो से ऋण प्राप्त करने के लिये अपने भूमिधरी अधिकारों से प्राप्त होने वाले अन्य लाभों को भी ग्रहण कर सकेगा।

4– क्रेता कय की गई भूमि में मात्र ठोस अपशिष्ट प्रवन्धन का कार्य करेगा यदि वह ठोस अपशिष्ट प्रवन्धन कार्य के अलावा अन्य प्रयोजन हेतु भूमि का उपयोग करता है और उसमें भिन्न प्रयोजन के लिय विकय उपहार या अन्य भूमि का अन्तरण करेगा तो ऐसा अन्तरण उक्त अधिनियम के प्रयोजन हेतु शून्य हो जायेगा और धारा 167 के परिणाम लागू होगें।

दिनांक–01.10.2019

ह0/–
(डॉ0 नीरज खैरवाल)
जिलाधिकारी,
उधमसिंहनगर।

0/C

कार्यालय जिलाधिकारी उधमसिंहनगर।

Email Id: dmusn. 1995@gmail.com फोन नं0 05944–242344/फैक्स नं0 05944–250408

पत्र संख्या– 121 /सात– 89/2019 दिनांक 04 अक्टूबर, 2019

प्रतिलिपि– निम्नांकित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषितः–

1– उपजिलाधिकारी बाजपुर कैम्प गदरपुर।
2– तहसीलदार, गदरपुर।
3– सब रजिस्टार, बाजपुर।
4– अधिशासी अधिकारी, नगर पंचायत दिनेशपुर

(उत्तम सिंह चौहान)
अपर जिलाधिकारी (वि0/रा0)
उधमसिंह नगर।

उप-निबन्धक
बाजपुर (ऊधमसिंह नगर)

उद्धरण खतौनी (शासकीय)

858 ग्राम का नाम / परगना : चन्दायन(गदरपुर) तहसील : गदरपुर जनपद : ऊधम सिंह नगर फसली वर्ष : 1422-1427 भाग : 1

[illegible]ीय अधिकार वाले भूमिधारो के अधिकारमे हो

[illegible]तेदार का नाम / पिता पति संरक्षक का नाम/ निवास स्थान ---- 2 ----	भौमिक अधिकार प्रारम्भ होने का वर्ष ---- 3 ----	खाते के प्रत्येक गाटे की खसरा संख्या ---- 4 ----	प्रत्येक गाटे का क्षेत्रफल (हे.) ---- 5 ----	खातेदार द्वारा देय मालगुजारी या लगान ---- 6 ----	परिवर्तन सम्बन्धी आज्ञा या उसका सारांश उनकी संख्या तथा दिनांक सहित और आज्ञा देने वाले अधिकारी का पद ---- 7-12 ----	टिप्पणी ---- 13 ----
नारायण विश्वास/नारायद विश्वास/नि-दिनेशपुर	1384फ0से	713क	1.7730	78.50	1420फ0न्या0पग्म0अधि0/महा0को0प्र0श्रे0बाजपुर कैम्प गदरपुर वादसं022/225(12-13)आ0दि01-4-13 के अन्तर्गत धारा 143 ज0वि0 एंव भू0व्य0अधि0के अनुसार ख0सं0719क मि0रकबा0.008हे0व00.20पै0पर वादी मनमोहन विश्वास पु0 शिशुरंजन विश्वास नि0 ग्रा0 चितरंजनपुर नं02 तह0 गदरपुर के नाम अकृषिक भूमि घोषित कर लगान से मुक्त किया जाये ह0अ0र0का0दि016-4-13 1420फ0न्या0पग्म0अधि0/महा0को0प्र0श्रे0बाजपुर कैम्प गदरपुर वादसं022/236(12-13)आ0दि01-4-13 के अन्तर्गत धारा 143 ज0वि0 एंव भू0व्य0अधि0के अनुसार ख0सं0719क मि0रकबा0.004हे0व00.10पै0पर वादी निरगानन्द दास पु0 विष्णुपद दास नि0ग्रा0 बगन्लीपुर तह0 गदरपुर के नाम अकृषिक भूमि घोषित कर लगान से मुक्त किया जाये ह0अ0र0का0दि0 28-5-13 1420फ0न्या0पग्म0अधि0/महा0को0प्र0श्रे0बाजपुर कैम्प गदरपुर वादसं022/237(12-13)आ0दि01-4-13 के अन्तर्गत धारा 143 ज0वि0 एंव भू0व्य0अधि0के अनुसार ख0सं0719क मि0रकबा0.004हे0व00.10पै0पर वादी विमल राय पु0 पुलिन राय नि0ग्रा0 बगन्लीपुर तह0 गदरपुर के नाम अकृषिक भूमि घोषित कर लगान से मुक्त किया जाये ह0अ0र0का0दि028-5-13 1423फ0न्या0पग्म0अधि0/महा0को0प्र0श्रे0बाजपुर कैम्प गदरपुर वादसं022/421(14-15)आ0दि010-8-15 के अनुसार ख0सं0714क मि0 रकबा0.025हे0व00.00पै0 पर वादी नारायण विश्वास पु0 नारायद विश्वास नि0ग्रा0 के नाम ज0वि0 एवं भू0व्य0अधि0 की धारा 143 के तहत अकृषिक भूमि घोषित कर लगान से मुक्त किया जाता है ह0अ0र0का0दि010-7-15/1-8-15 1424फ0वादसं030/630(15-16)न्या0 तहसीलदार गदरपुर आ0दि01-8- 16 के अनुसार ख0सं0710क रकबा0.1[illegible] [illegible]02.65[illegible] से निरंजन विश्वास पु0 नारायद विश्वास का नाम [illegible] आशुतोष राय पु0 [illegible] राय नि0 [illegible] वार्ड [illegible] गदरपुर का नाम [illegible] [illegible] ह0अ0र0का0दि01-8-10/8-8-10 1425फ0 [illegible] गदरपुर [illegible] वाद सं022/131[illegible] (17-18) [illegible] [illegible] धारा 143 में आदेश [illegible] 19-12-17 [illegible] [illegible] 0.0102[illegible] घोषित [illegible] मुक्त की ह0अ0	नारायण विश्वास ने अपना हिस्सा मु0 95,000/ मे दि011-1-10 को ओरि0बैंक आ0का0 रुद्रपुर मे बंधक रखा ह0अ0दि016-1 -10 नारायण ने अपना हिस्सा0.556हे0मु0 2,39,000/मे दि0 4-7-14 को पंजाब नेश0बैंक दिनेशपुर मे बंधक रखा ह0अ0दि07-7-14 कार्तिक विश्वास ने अपना हिस्सा0.556हे0 मु02,95,000/मे दि0 18-7-14 को पंजाब नेश0बैंक दिनेशपुर मे बंधक रखा ह0अ0दि018-7-14 आ0ह0अ0पंजाब नेश0 बैंक दिनेशपुर दि0 6-2- 17मु02.39लाख रु0 नारायण विश्वास ने ऋण जमा करने पर भूमि बंधक मुक्त करायी ह0अ0र0का0दि0 10-2-17 नारायण ने अपना हिस्सा0.787हे0मु0 5,00,000/मे दि0 6-2-17को बैंक आ0 इण्डिया रुद्रपुर मे रखा ह0अ0दि013-2-17 मनमोहन विश्वास ने अपना हिस्सा 83.64 वर्ग मी0 भूमि मु0 7,00,000 रु0 मे दि010- 4-18 [illegible] शाखा दिनेशपुर [illegible] ह0अ0दि017-4-18
कार्तिक विश्वास/नारायद विश्वास/नि-दिनेशपुर	1384फ0से	714क	0.2070			
गोपाल विश्वास/नारायद विश्वास/नि-दिनेशपुर	1384फ0से	715	0.3000			
निरंजन विश्वास/नारायद विश्वास/नि-दिनेशपुर	1384फ0से	717क	0.3480			
निरयानन्द दास/विष्णुपद दास/नि0बगन्लीपुर 1420फ0	1384फ0से	719क.	0.2760			
विमल राय/पुलिन राय/नि0बगन्लीपुर 1420फ0	1384फ0से	724घ	0.1110			
मनमोहन विश्वास/शिशुरंजन विश्वास/नि0चितरंजनपुर 1420फ0	1384फ0से	732	0.0500			
	1384फ0से	733	0.0600			
प्रेमलता पत्नी/राधाकृष्ण/नि0 वा0नं06दिनेशपुर 1421फ0	1384फ0से	734क	0.0500			

1.18.750 000770 [illegible] Allahabad Bank [illegible]

उद्धरण खतौनी (शासकीय)

...58 ग्राम का नाम / परगना : चन्दायन(गदरपुर) तहसील : गदरपुर जनपद : ऊधम सिंह नगर फसली वर्ष : 1422-1427 भाग : 1

...य अधिकार वाले भूमिधारो के अधिकारमे हो

खातेदार का नाम / पिता पति संरक्षक का नाम/ निवास स्थान	भौमिक अधिकार प्रारम्भ होने का वर्ष	खाते के प्रत्येक गाटे की खसरा संख्या	प्रत्येक गाटे का क्षेत्रफल (हे.)	खातेदार द्वारा देय मालगुजारी या लगान	परिवर्तन सम्बन्धी आज्ञा या उसका सारांश उनकी संख्या तथा दिनांक सहित और आज्ञा देने वाले अधिकारी का पद	टिप्पणी
2	3	4	5	6	7-12	13
...825 रिंकू सरकार/मनोहर सरकार/नि॰ दिनेशपुर तुलसी सरकार,सुभाष सरकार/मनोहर सरकार/नि॰ दिनेशपुर कालीदासी पत्नी/स्व0 मनोहर सरकार/नि॰ दिनेशपुर प्रताप सिंह कोरंगा/चंचल सिंह कोरंगा/नि॰लीतीपट्टी बिजली दानपुर तह0कपकोट कन्धारा सिंह/दयाल सिंह/नि॰ कुल्हा रिपिकेश सरकार/सुशान्त सरकार/नि0दिनेशपुर सुन्ज सरकार नावा015वर्ष/सुशान्त सरकार न0मा0उधा/नि0दिनेशपुर उषा रानी पत्नी/सुशान्त सरकार/नि0दिनेशपुर मानिक लाल/अधर सिम्पी/नि0कालीनगर 1419फ0 कुशाय मइरोत्रा/रामकृष्ण मइरोत्रा/नि0रामनगर [illegible] रामपुर 1419फ0	1384फ0मे 1384फ0से 1384फ0से 1384फ0से 1384फ0से 1384फ0से 1384फ0से 1384फ0से 1384फ0से 1384फ0से	673ख 674ख 675ख 676 677क 678क 684ग 735ग 736क 743क	0.0370 0.2090 0.6450 0.5600 0.2700 0.1530 0.0500 0.0500 0.0300 0.0200	50.00	1423फ0बादमं030/1797(14-15)न्या0ना0तहसीलदार गदरपुर आ0दि029-9-15 के अनुसार ख0मे0675ख मि0 रकबा0.009हे0 स00.25प्र0 से रामकृष्ण महरोत्रा पु0कामेश्वर नाथ महरोत्रा मु0 आम कुशाया महरोत्रा पु0 रामकृष्ण महरोत्रा का नाम खारिज कर राजन शाही पु0 बृजकिशोर शाही नि0 सेन्चुरी पल्प एंड पेपर फैक्ट्री लालकुआं नैनीताल का नाम जरिये बैनामा रजि0 बर्ग1क संक्र0भूमि0 के रूप मे दर्ज हो ह0अ0र0का0दि0 29-9-15/14-10-15 1423फ0बादमं030/1798(14-15)न्या0ना0तहसीलदार गदरपुर आ0दि029-9-15 के अनुसार ख0मे0675ख मि0 रकबा0.009हे0 स00.25प्र0 से कुशाय मेहरोत्रा पु0 रामकृष्ण मेहरोत्रा का नाम खारिज कर राजन शाही पु0 बृजकिशोर शाही नि0 सेन्चुरी पल्प एंड पेपर फैक्ट्री लालकुआं (नैनीताल) का नाम जरिये बैनामा रजि0 बर्ग1क संक्र0भूमि0 के रूप मे दर्ज हो ह0अ0र0का0दि029-9-15/14-10-15	मानिक लाल ने अपना हिस्सा1.012हे0पु0 3,00,000/-रु0में दि0 26-5-17 को बैंक ऑ0 बडौदाशा0दिनेशपुर में बंधक रखा ह0अ0दि0 26-5-17 मानिक लाल ने अपना हिस्सा0.859हे0पु0 1,00,000/रु0दि0 20-2-18 को बैंक ऑ0 बडौदा दिनेशपुर में बंधक रखा ह0अ0दि0 5-3-18
		10	2.0240			

कुल गाटे: एक शून्य कुल क्षेत्रफल: दो दशमलव शून्य दो चार कुल भू-राजस्व: पाँच शून्य दशमलव शून्य शून्य

Data Digitally Signed by : YUSUF ALI

यह उद्धरण खतौनी इलेक्ट्रोनिक डिलीवरी सिस्टम द्वारा तैयार की गयी है तथा डाटा डिजीटल हस्ताक्षर द्वारा हस्ताक्षरित है।

सक्षम अधिकारी : TEHSILDAR

तहसील : गदरपुर जनपद : ऊधम सिंह नगर

दिनांक एवं समय : 16-07-2019 03:03:48 PM

...1.12.500 009774 20-11-14 Allahabad Bank ... Mohd. Yusuf

Status for CAF ID - 28877 is Approved As On 04-07-2021 22:18:06

Application Details			
CAF ID	28877		
CAF Date	2021-06-08 18:09:17		
CAF Status	Approved		
CAF Updated On	2021-06-24 15:12:04		
Enterprise Details			
IUID	51388097		
Enterprise Name	Nagar Panchayat Dineshpur		
Registered Headquarter : Address	Urban Development Directorate , 31/62 , Rajpur Road , Dehradun - 248001		
Registered Headquarter : Pin Code	248001		
Phone No. of Headquarter	01352742885		
Land Line number (with STD Code) of Headquarter	01352742885		
Email Address	info.udduk@gmail.com		
Fax			
Organisation Details			
Nature of Organisation	State Government Entity		
Director : Gender	Male	First Name of Director	Sanjay
Middle Name of Director		Last Name of Director	Kumar
Caste Category (Director)		Other Category (Director)	
Proposed Land Details			
Whether your project / business requires ?	Built Up Space (IT / ITES)		
Is Land / Built-up space (IT / ITES) available with applicant ?	Yes		
Nature of ownership of land for the proposed project / business	Owned Land Outside Notified Industrial Estate		
Current Land Use	Industrial		
Is there any pending loan on the land ?	No		
Does Land Falls Under Any Development Authority	Outside Development Authority		
PROPOSED LOCATION FOR PROJECT / BUSINESS			
Name of Unit	10 TPD Municipal Solid Waste Management Facility		
Unit Address : Plot/Khasra No	732,733,734,735		
Unit Address : Plot Area	.185		
Unit Address : Area Type	Hectare		
District of Unit	Udham Singh Nagar		
Tehsil of Unit	Gadarpur		
Village of Unit			
Block of Unit	435		
Proposed Address of Project	10 TPD MSW Processing Facility , Village - Chandayan , Dineshpur , Gadarpur , Udhamsingh Nagar - 263160		
Details of Authorized Coordinator/Person			
Name of Authorized Person / Coordinator	SanjayKumar		

Designation of the Authorized Person / Coordinator	Executive Officer
Email	eodin-mb-uk@nic.in
Mobile Number	9410336253
Telephone No	05949234604
Fax Number	

Financial Indicators of the Company / Firm for Last 3 Years in INR Lakhs (if any)					
Year	Turn Over	Profit Before Tax	Net Worth	Reserves & Surplus	Share Capital

Unit Details	
Category of Unit as per MSMED Act	small
Unit Type	Services
Sectorial Code (NIC)	38210-Treatment and disposal of non-hazardous waste
Pollution Control Board Categorization	orange

Process Description	
Project Type	New
Expected date of commercial production	08/01/2021
Brief Description of Unit	10 TPD Municipal Solid Waste Processing Facility without Sanitary Landfill , Reject will send to Rudrapur Landfill Site

Proposed New Investment Details (In Lakhs) (Expansion/Diversification)				
Land	Building	Equipment	Other	Total
0	200	100	95.46	395.46

Proposed Product/Service Name	
SNo	Proposed Product/Service

Details of Finance (In INR Lakhs)		
Capital Margin	Bank Finance	Total Finance
		0

Proposed Employment			
Male Skilled Employee	Male Unskilled Employee	Female Skilled Employee	Female Unskilled Employee
0	10	0	0

Details of State Government Issued Certificates/ Approvals/ Clearances/ Licenses	
Name of the Approval	Approval Certificate

Statutory Registration Details-Required Approval	
Need Approval From Department	Need Approval For Service

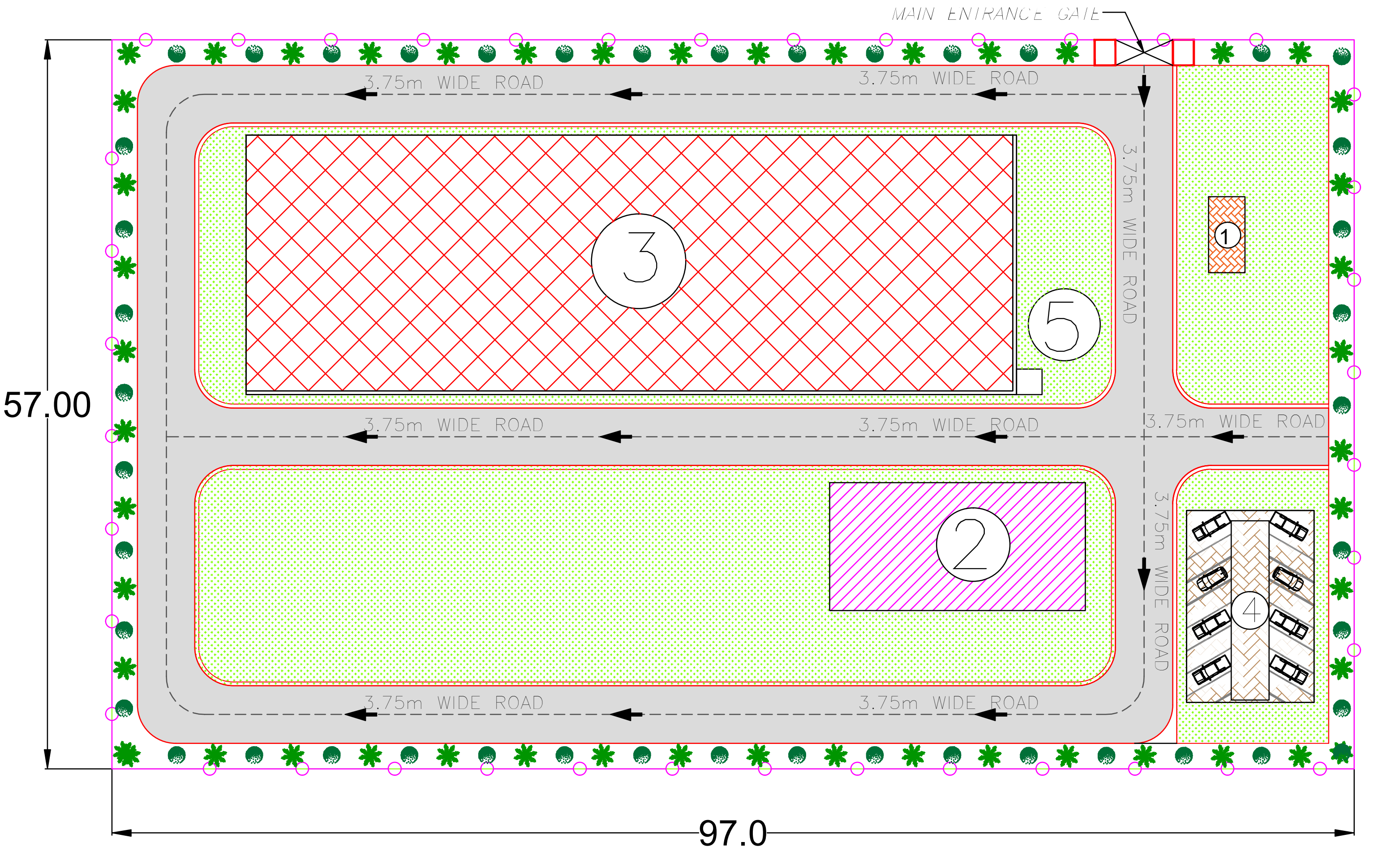
Payment Detail				
Order Id	Transaction Id	Status	Amount	Date Time
1623301152032570	45191025	Transaction authorised successfully	1000	2021-06-10 10:29:14

Applicant - Nodal Agency Transactions

S.No.	Action Taken By	Action Taken On	Action Type	Comments	Time taken by Applicants	Time taken by Nodal Agency
1	Investor	2021-06-10	Submission of CAF	Application Submitted		
2	District CAF Approver	2021-06-24 15:12:04	Verified	APPROVED		0 days, 3 hrs, 44 min

Nodal Agency-Department Transactions

S.No.	Transaction Id	Forwarded to Dept.	Assigned To Dept. Officer	Department Comments	Department Aging
1	Transaction Id : 1	Uttarakhand Pollution Control Board **2021-06-11 18:47:06**	Naresh Goswami	Approved , with the condition that unit will apply in non residential area & proposed site should be as per MSW rule 2000. **2021-06-23 17:02:39**	11 Days



KEY PLAN

LEGEND:

PROPOSED ROAD

BARBED WIRE FENCING

GREEN BELT

NOTE:-

1. ALL DIMENSIONS ARE IN METER.
2. TOTAL AREA OF PLANT = 5540.0 Sq.m
3. TOTAL LENGTH OF 3.75m ROAD = 348.0m

21 TPD MSW PROCESSING FACILITY COMPONENT LIST				
SI. NO.	COMPONENT NAME	SIZE IN METERS		
		(L)	(W)	(D)
01	ADMINSTRATION BUILDING	5.95	2.84	3.50
02	DRY WASTE SHED	20.0	10.0	6.0
03	WET WASTE SHED	60.0	20.0	6.0
04	PARKING AREA	---	---	---
05	LEACHATE COLLECTION PIT	1.50	1.50	

DO NOT SCALE | FOR DPR PURPOSE ONLY

FOR R0 ISSUE ONLY		
	CLEARED	
DEPT	SIGNATURE	DATE
CHEM		
CIVIL		
ELEC		
I&C		
MECH		

ISSUE	REVISIONS	DRN	CLEARED					APPD	DATE
			CHEM	CIVIL	ELEC	I&C	MECH		

FILE NAME :

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TATA CONSULTING ENGINEERS LIMITED
MUMBAI
IN ASSOCIATION WITH RODIC CONSULTANT PVT. LTD.

CLIENT : UTTARAKHAND URBAN SECTOR DEVELOPMENT AGENCY (UUSDA)
(GOVERNMENT OF UTTARAKHAND)

PROJECT UTTARAKHAND URBAN SECTOR DEVELOPMENT INVESTMENT PROGRAM (UUSDIP)

PROPOSED LAYOUT OF 21 TPD MSW PROCESSING BUILDING AT DINESHPUR

SCALE: 1:20
OFFICE-DISC: DEL-
DRN: BSN
CHD: SMK
APPROVED
DATE (R0 ISSUE)
DATE (CURRENT ISSUE) 02-09-2019
DWG NO TCE.10375A-CH-2022-DP-01
ISSUE

FILE NAME: F043R4.DWG

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