

Brief Summary of the Project

1. Introduction

Naini Tissues Limited is a part of Naini Group of Industries, situated at 7th K.M. stone from Kashipur on Moradabad Road. The Plant was commissioned in Year 2005. Naini Tissues Ltd. has an existing Paper production capacity of 140 TPD for which the Environmental Clearance was obtained from MoEF&CC, New Delhi vide letter no. J-11011/58/2013-IA II(I) dated 18.12.2015. To comply with the CREP conditions, the soda recovery plant has already been installed commonly for Naini Tissues Limited and Naini Papers Limited.

2. Project Proposal

M/s. Naini Tissues Limited is proposing an enhancement in production capacity of Writing and Printing Grades of Paper from 140 TPD to 170 TPD by upgradation and increasing the efficiency of process and installation of a 10 MW Co-generation Power Plant based on Biomass at 7th K.M. Stone, Moradabad Road, Tehsil Kashipur, District Udham Singh Nagar, Uttarakhand.

3. Screening Category

As per EIA Notification dated 14th Sep, 2006 and as amended from time to time, the proposed project falls under Category "A", Project or Activity 5(i)

4. Brief Description of Project

Location Details:

- Villages: 7th K.M. Stone from Kashipur, Moradabad Road
- Tehsil: Kashipur
- District: Udham Singh Nagar
- State: Uttarakhand

Area Details:

Total plant area is 51.7 acres and the proposed enhancement will take place within the existing plant premises, thus, no additional land is to be acquired.

Cost Details:

- Total Cost of the Proposed Project- Rs. 60 Crores.
- Cost for Environment Management Plan (EMP)- Rs 10 Crores & Recurring cost of 24 Lakhs/annum

5. Basic Requirements for the project

1.	Water Requirement (In KLD)	Existing Requirement	Additional Requirement	Total Requirement after Enhancement
		7595	Nil	7595
		Source: Groundwater		
2.	Steam Requirement (MT/day)	Existing Requirement	Additional Requirement	Total Requirement after Enhancement
		840	Nil	726
		The unit already has 2 nos. Boilers of capacity 22 TPH & 24 TPH, respectively of 12 Kg/cm ² pressure.		
3.	Power Requirement (KVA)	Existing Requirement	Additional Requirement	Total Requirement after Enhancement
		1,27,400	25,600	1,53,000
		Source: UPCL, proposed 10 MW Co-gen Power Plant and 3x625 KVA D.G. Sets & 2 x 750 KVA D.G. Sets for backup		
4.	Man Power Requirement	Existing Requirement	Additional Requirement	Total Requirement after Enhancement
		330	20	350

6. Raw Material Requirement:

S. No.	Particulars	Units	Existing Production (140 TPD)	Additional Production (30 TPD)	Total Production (170 TPD)	Source	Mode of transport	Storage facility
(A)	Raw material consumption							
i.	Bagasse & Wheat Straw	MT	254	25	279	Supplier	By Road	Open Yard
ii.	Sarkanda	MT	-	-	-	N.A.	-	
iii.	Imported waste paper	MT	-	-	-	N.A.	-	
iv.	Imp. Wood pulp	MT	4.7	5.0	9.7	Import	By Sea /Road	Shed
(B)	Chemical Consumption							
i.	Caustic Soda	MT	36.6	0.92	37.52	Vendor	By Road	Tanks
ii.	Oxygen Gas	MT	3.0	0.4	3.4	Self generation	-	Vessel
iii.	Hydrogen Peroxide	MT	0.903	0.127	1.03	Vendor	By Road	Tank
iii.	Lime	MT	0.846	0.137	0.983	Vendor	By Road	Godown
iv.	AKD	MT	1.54	0.33	1.87	Vendor	By Road	Tank
v.	Soap Stone	MT	20	9.0	29	Vendor	By Road	Godown
(C)	Other Chemicals Required							
i.	OBA	MT	0.21	0.045	0.255	Vendor	By Road	Godown
ii.	Starch	MT	0.70	0.15	0.85	Vendor	By Road	Godown
iii.	DSR	MT	0.49	0.11	0.60	Vendor	By Road	Godown
iv.	PAC	MT	0.49	0.11	0.60	Vendor	By Road	Tank
v.	U.F. Rosin	MT	0.42	0.09	0.51	Vendor	By Road	Godown

7. Environment Management Plan

Particulars	Details
Air Management	<ul style="list-style-type: none"> ESP as APCD in boilers has been installed to achieve the prescribed norms of stack emission. For the new boiler of Co-Gen Power Plant another ESP will be installed to achieve the CPCB prescribed norms. Main fuel for boilers is rice husk and bagasse pith (15% coal used as an auxiliary fuel) which is available from the local area and bagasse de-pithing, respectively. Adequate measures for Fugitive Dust Emissions are being/will be taken. Stack height for D.G sets is already maintained as per the norms prescribed by CPCB. Development of Green Belt within the premises of the plant has helped in attenuating the pollutants emitted by the plant.
Water Management	<ul style="list-style-type: none"> The wastewater generated from the process is being/will be treated in ETP. The water from the ETP is being/will be treated as per the standards of UEPPCB and charter, 2015. Approx. 40-50% of treated water will be recycled in the process itself and the remaining will be discharged in the drain. Black liquor generated in the pulp section of the plant is being/will be incinerated and processed in CRP for the recovery of soda ash which is being/will be sold to Soap Industry.
Noise	<ul style="list-style-type: none"> Time to time oiling and servicing of machines is being/will be done.

Management	<ul style="list-style-type: none"> • Acoustic enclosures for DG sets are provided. • Earmuffs are provided to workers while running the equipment of the plant. • Periodic monitoring is being/will be carried out • Greenbelt of appropriate width inside the plant premises and at the plant boundary has been developed and same will be maintained in the future.
Solid Hazardous Waste Management	<ul style="list-style-type: none"> • ETP sludge which mainly constitutes of cellulosic fibers is collected on polythene lined RCC platform inside the premises and used in Paper Board making. • Fly ash from boiler is being/will be utilized by the nearby brick manufacturers. • The Boiler ash is taken by nearby farmers on request for use in fields as manure. • The generated traces of lime sludge from calcium hypochlorite preparation plant, is being mixed with cement & mortar for repairing of building/plaster work. • No hazardous waste is generated except waste oil, which is being/will be sold to recyclers authorized by CPCB. • Black liquor is being/will be sent to Soda Recovery Plant • Soda ash recovered from Chemical Recovery Plant is being sold to soap manufacturers.
Greenbelt Development/ Plantation	<ul style="list-style-type: none"> • The Green belt development has already developed in 33% area all around and inside the plant & will further carry on the plantation which will help in to attenuate the pollution level. • Wider green belt is provided along the boundary facing the State Highway. • Care had been taken to ensure that the plants in the second row are staggered between the plants of the first row.

