

## FORM 1

### (I) BASIC INFORMATION

**Name of the Project:**

Nahar Industrial Enterprises Ltd. – Distillery Unit  
Village Salana Jeon Singh Wala, Amloh Khanna road,  
Tehsil Amloh, District Fatehgarh Sahib, Punjab.

**Location/site alternatives under consideration:**

Nahar Industrial Enterprises Ltd. – Distillery Unit is a new distillery unit under establishment at the site. The promoters of the industrial unit are already having a sugar mills adjoining to the site and have the land availability of 23 acres for distillery purposes.

**Size of the Project: \***

The proposed project includes production of ethyl alcohol/ENA @ 200 KL/day and Cogeneration of Power @ 5 MW based on molasses and grains.

**Expected cost of the project:**

The total cost of the project is around Rs. 150 Crores

**Contact Information:**

Mr. Som Garg, Vice President  
**Nahar Industrial Enterprises Ltd. – Distillery Unit**  
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**Screening Category :**

The project is at S. No. 5(g) (of the Schedule of EIA Notification dated 14<sup>th</sup> September, 2006).

*\* Capacity corresponding to sectoral activity (such as production capacity for manufacturing, mining lease area and production capacity for mineral production, area for mineral exploration, length for linear transport infrastructure, generation capacity for power generation etc.,)*

**(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.)**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
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	The company is already having 23 acres of land for distillery unit which falls under industrial zone as per local land use pattern of the approved Master Plan. The site is adjoining to the existing sugar mill of the company.
1.2	Clearance of existing land, vegetation and buildings?	No	No clearance of existing land, vegetation and buildings.
1.3	Creation of new land uses?	No	The land area of the distillery unit falls under industrial zone as per local land use pattern of the approved Master Plan.
1.4	Pre-construction investigations e.g. bore houses, soil testing?	Yes	Bore holes and soil testing has been carried out by the industry after getting the environmental clearance of the project from MoEF.
1.5	Construction works?	Yes	Construction of foundations (of shed and machinery), sheds/buildings to house the plant and machinery is under construction.
1.6	Demolition works?	No	No demolition is needed.
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Temporary sites for storage of construction material and housing of workers have been constructed at site.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Construction of silos for the storage of grains, MS tanks for the storage of molasses and potable alcohol, foundations for boiler etc. is under construction. Buildings for the bottling plant and office etc. is to be constructed.
1.9	Underground works including mining or tunneling?	No	No underground works would be there.
1.10	Reclamation works?	No	No reclamation is involved.
1.11	Dredging?	No	No dredging is involved.
1.12	Offshore structures?	No	No offshore structures are needed.

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
1.13	Production and manufacturing processes?	Yes	There is no change in the production and manufacturing process as submitted during the grant of the EC.
1.14	Facilities for storage of goods or materials?	Yes	The industry would develop environmentally sound storage space for raw materials as well as finished goods.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	The bye products generated in the form of DDGS during grain based operation would be sold for cattle feed manufacturing. The thick syrup generated during molasses based operation would be used as fuel. The ash generated @ 30 MT/day would be used for making of fly ash bricks.
1.16	Facilities for long term housing of operational workers?	No	There would not be any long term housing of operational workers.
1.17	New road, rail or sea traffic during construction or operation?	No	No new road, rail or sea traffic required during construction or operation.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	No new road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports, etc., required
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	No need for closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements.
1.20	New or diverted transmission lines or pipelines?	No	No new transmission line required. Pipeline for the transport of canal water @ 2600 m <sup>3</sup> /day for the industry would be laid.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No need of any impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers. Only pipeline for canal water under commercial use would be laid from the existing 1 R distributary.
1.22	Stream crossings?	No	No stream crossing at/near the site.

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Canal water available to the industry under commercial category of the Irrigation Department would be used for industrial purposes. Ground water would be abstracted only in case of non-availability of canal water.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	No changes in water bodies or the land surface affecting drainage or run-off.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Limited manpower (max. 200 persons) would be required from local level for the construction work. During operation of the industry local labour (maximum 200 persons) would be employed No decommissioning required.
1.26	Long-term dismantling or decommissioning or restoration works?	No	There is no long-term dismantling or decommissioning or restoration works
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	There is no ongoing activity during decommissioning which could have an impact on the environment
1.28	Influx of people to an area in either temporarily or permanently?	No	No influx of people to an area in either temporarily or permanently
1.29	Introduction of alien species?	Nil	There are no alien species in and around the industrial unit
1.30	Loss of native species or genetic diversity?	Nil	There would not be any loss of native species or genetic diversity
1.31	Any other actions?	Nil	

**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):**

<b>S. No.</b>	<b>Information/checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
2.1	Land especially undeveloped or agricultural land (ha)	No	The land is reserved for industrial purposes as per the master plan.

<b>S. No.</b>	<b>Information/checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</b>
2.2	Water (expected source & competing users) unit : kLD	Yes	The total quantity of water consumption for industrial use will be about 2200 kL per day. Canal water available to the industry under commercial category of the Irrigation Department would be used for industrial purposes. Ground water would be abstracted only in case of non-availability of canal water.
2.3	Minerals (MT)	No	No natural minerals required/to be used.
2.4	Construction material – stone, aggregates, sand/soil (expected source – MT)	Yes	Construction material in the form of brick, aggregates, sand/soil is only required for the construction of the industrial unit.
2.5	Forests and timber (source – MT)	No	No forest/timber is required for the unit.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Electrical energy @ 5 MW required – to be cogenerated within the industrial premises only.
2.7	Any other natural resources (use appropriate standard units)	No	

**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.**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
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 use substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	No change in occurrence of disease or affect disease vectors.
3.3	Affect the welfare of people e.g. by changing living conditions?	No	The project would not affect the welfare of people.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	No vulnerable groups of people would be affected by the project.
3.5	Any other causes	No	

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

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
4.1	Spoil, overburden or mine wastes	No	There would not be any spoil, overburden or mine wastes.
4.2	Municipal waste (domestic and or commercial wastes)	No	There would not be any Municipal Waste. Boiler ash @ 30 MT/day (max.) would be generated from the industrial process.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Hazardous wastes under Category 5.1 (2000 litre/year) will be generated by the industry.
4.4	Other industrial process wastes	No	There would not be any other industrial process wastes.
4.5	Surplus product	No	There would not be any surplus product. The finished metal product would not be stored for long term in the industry.
4.6	Sewage sludge or other sludge from effluent treatment	No	The industry would be generating effluent @ 310 KLD and whole of the effluent after treatment in ETP would be reused for irrigation purposes within the industry.
4.7	Construction or demolition wastes	No	There would not be generation of any construction or demolition wastes from the industry.
4.8	Redundant machinery or equipment	No	There would not be any redundant machinery or equipment in the industry.
4.9	Contaminated soils or other materials	No	There would not be any contaminated soils or other materials in the industry.
4.10	Agricultural wastes	No	There would not be any agricultural wastes in the industry.
4.11	Other solid wastes	No	There would not be any other solid wastes from the industry.

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

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	There would be a generation of emissions from the combustion of rice husk, coal and thick syrup from the operation of boiler furnace installed within the industry.
5.2	Emissions from production processes	No	There would not be any emissions from the production process.
5.3	Emissions from materials handling including storage or transport	No	No emissions from materials handling including storage or transport.
5.4	Emissions from construction activities including plant and equipment	No	There would not be any emissions from construction activities including plant and equipment within the industry.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	No	There would not be any dust or odours from handling of materials including construction materials, sewage and waste
5.6	Emissions from incineration of waste	No	No incineration would take place in the industrial process.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	There would not be any emissions from burning of waste in open air (e.g. slash materials, construction debris)
5.8	Emissions from any other sources	No	

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

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data</b>
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Noise would be generated from the operation of pumps and DG Sets.
6.2	From industrial or similar processes	No	There would not be any other source of noise/vibration from the industrial process
6.3	From construction or demolition	No	There would not be any noise and vibration from construction or demolition within the industry.
6.4	From blasting or piling	No	No blasting or piling activity.

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
6.5	From construction or operational traffic	No	No change in noise and vibration due to construction or operational traffic.
6.6	From lighting or cooling systems	No	There would not be any noise and vibration from lighting or cooling systems
6.7	From any other sources	No	

**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:**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
7.1	From handling, storage, use or spillage of hazardous materials	No	Controlled handling and storage would be there to prevent any risk of contamination of land or water from release of pollutants
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	Process wastewater @ 310 kL/day will be treated and disposed onto land for irrigation purposes.
7.3	By deposition of pollutants emitted to air into the land or into water	No	The emissions from the boiler furnace will be cleaned and discharged into the atmosphere.
7.4	From any other sources	No	
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	

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

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	There are no risks of accidents, during construction or operation of the project, which could affect human health or the environment.
8.2	From any other causes	No	



8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	The project can not be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)
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**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**

<b>S. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/ No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
9.1	Lead to development of supporting utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> <li>• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)</li> <li>• development</li> <li>• industries</li> <li>• industries</li> <li>• other</li> </ul>	No	Not Applicable
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	No	Not Applicable
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Not Applicable

**(III) ENVIRONMENTAL SENSITIVITY**

<b>S. No.</b>	<b>Areas</b>	<b>Name/ Identity</b>	<b>Aerial distance (within 15 km) Proposed project location boundary</b>
1.	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value		The area in and around 15 km radius is not protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km) Proposed project location boundary
2.	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests		The area in and around 15 km radius is not important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests
3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration		The area in and around 15 km radius is not used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration
4.	Inland, coastal, marine or underground waters		There are no inland, coastal, marine or underground waters which would be affected area in and around 15 km radius of the industry.
5.	State, National boundaries		There are no State or National boundaries within 15 km radius of the industry.
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas		There are no recreation or other tourist, pilgrim areas within 15 km radius of the industry.
7.	Defence installations		There are no defence installations within 15 km radius of the site.
8.	Densely populated or built-up area		Mandi Gobindgarh city, located at an aerial distance of around 5 km is located from the industry.
9.	Areas occupied by sensitive man-made land uses ( <i>hospitals, schools, places of worship, community facilities</i> )		Hospitals, Schools, Place of Worship, Community Facilities etc. are located more than 5 km away from the industrial premises.
10.	Areas containing important, high quality or scarce resources ( <i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i> )		There is no important area containing high quality or scarce resources such as ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals within 15 km radius of the industry.
11.	Areas already subjected to pollution or environmental damage. ( <i>those where existing legal environmental standards are exceeded</i> )		The surrounding area is not subjected to pollution or environmental damage.

<b>S. No.</b>	<b>Areas</b>	<b>Name/ Identity</b>	<b>Aerial distance (within 15 km) Proposed project location boundary</b>
12.	<p>Areas susceptible to natural hazard which could cause the project to present environmental problems  <i>(earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)</i></p>		<p>The surrounding 15 km radius area is not susceptible to natural hazard which could cause the project to present environmental problems</p>