

Proceedings of the public hearing conducted on 30.05.2018 in connection with application filed by M/s Rana Sugars Ltd., (Distillery Division) for obtaining environmental clearance under EIA Notification dated 14/9/2006 for expansion of the existing molasses/grain based distillery from 60 KLPD to 150 KLPD (60 KLPD to 90 KLPD through modernization & 60 KLPD through new plant) and replacing 1.6 MW co-generation power plant with 2.4 MW and installation of another 2.0 MW co-generation power plant (Total 4 MW) in the existing premises located in the revenue estate of Village Louhka, Tehsil Patti, District Tarn Taran

The following were present to supervise the proceedings:-

1. Sh. Sandip Rishi, PCS,
Additional Deputy Commissioner,
Tarn Taran
2. Er. Rajiv Sharma,
Environmental Engineer (Mega),
Punjab Pollution Control Board,
Patiala
3. Er. Rajesh Kumar,
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Amritsar.

Sh. Rajiv Sharma, Environmental Engineer (Mega), Punjab Pollution Control Board, Head Office, Patiala welcomed the Supervising-cum-Presiding Officer and people from the nearby Villages who came to attend the public hearing for expansion of the existing molasses/grain based distillery from 60 KLPD to 150 KLPD (60 KLPD to 90 KLPD through modernization & 60 KLPD through new plant) and replacing 1.6 MW co-generation power plant with 2.4 MW and installation of another 2.0 MW co-generation power plant (Total 4 MW) in the existing premises located in the revenue estate of Village

Louhka, Tehsil Patti, District Tarn Taran (Punjab). He apprised the public about the requirement of conducting the public hearing before deciding the application filed by the industry for getting the said clearance for carrying out expansion at the said site under EIA Notification no.1533 (E) dated 14.9.2006 of the Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India, New Delhi. After considering the application of the industry, the MoEF&CC had issued 'Terms of Reference' to the industry for preparation of draft EIA study report. Now, the industry has submitted draft EIA report to the Punjab Pollution Control Board for conducting public hearing of the project as per the procedure prescribed in the EIA Notification dated 14.09.2006. He also brought into the notice of public that a copy of the draft EIA report alongwith the executive summary of the same submitted by the industry to the Punjab Pollution Control Board was placed in the office of Deputy Commissioner, Tarn Taran; Zila Parishad, Tarn Taran; General Manager District Industrial Centre, Tarn Taran; Regional Office of MoEF&CC at Chandigarh; Environmental Engineer, Regional Office, Punjab Pollution Control Board, Amritsar for access to the public and other stakeholders. He further brought out that a notice of public hearing was published in two prominent newspapers namely, The Tribune and Jagbani on 25.04.2018 to make the public aware of the date, time & venue of the public hearing and about the places/offices, where the public could access the draft EIA report and its executive summary report before the said hearing. Thereafter, he requested the representative of the project proponent, who is the Environmental Consultant of industry to elaborate about the main features of the project and the draft EIA study report.

Sh. H.S. Matharu, Environmental consultant of the project proponent brought out the details of the project before the public as under:-

Name of the Project : Rana Sugar Limited (Distillery Division).

Type of Project : Molasses/Grain based distillery (Expansion)

Location : Village- Laukha, Tehsil & District- Tarn Taran

Size of the project : Proposed expansion (60-90KLPD and 90-150 KLPD molasses/grain based)

Raw material required

| Description | Existing (TPD) | Addition With modification | Total After Modification | Addition with New Plant | Total (Modification + With new Plant) |
|--------------------|-----------------------|-----------------------------------|---------------------------------|--------------------------------|----------------------------------------------|
| Molasses | 270 (TPD) | 140 (TPD) | 410 (TPD) | 270 (TPD) | 680 (TPD) |
| Grain | 135 (TPD) | 65 (TPD) | 200 (TPD) | 135 (TPD) | 335 (TPD) |
| Rice Husk | 95 (TPD) | Nil | 95 (TPD) | 100 (TPD) | 195 (TPD) |

Features within 10km Radius

- | | |
|------------------------------------|-------|
| i. Archaeological important places | Nil |
| ii. Wild life sanctuaries | Nil. |
| iii. Reserved/Protected forest | Nil |
| iv. Historical places | Nil |
| v. River/Canal | Nil |
| vi. Industries | Mixed |

Total Land : About 40 Acres
 (No additional land required for expansion)

Manpower requirement : 175

Cost of the Project : Existing- 75 Crs
 Proposed- 70Crs
 Total - 145Crs

Cost On EMP : Rs. 10 Crores
 and Rs. 80 lacs per annum (recurring)

Power Requirement : 4.4 MW (existing co-gen power plant is 1.6MW which will be replaced with 2.4MW highly efficient turbine for modernization/ expansion plant. Another 2.0MW turbine for 60KLD plant)

Power back up : 2 D.G. sets of 500KVA capacity each

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| Water requirement (KLD) | Existing | Addition with modification | Total after modification | Addition with New Plant | Total |
|-------------------------|----------|----------------------------|--------------------------|-------------------------|-------|
| | 588 | 180 | 768 | 360 | 1128 |

Running days : 330 days

Ambient Air Quality : The PM_{2.5}, PM₁₀, SO₂, NO₂ and CO levels were monitored at eight locations in the study area for three months (Oct -Dec, 2017). The levels of criteria pollutants are as follows: PM_{2.5} is 41.4µg/m³, PM₁₀ is 84.82µg/m³, SO₂ is 13.30µg/m³, NO₂ is 19.59µg/m³

and CO is 0.60 mg/ m³. The baseline air quality levels are within the National Ambient Air Quality Standards prescribed for residential and industrial area (Standards are 60, 100, 80 and 80µg/m³ for PM_{2.5}, PM₁₀, SO₂ and NO₂ respectively). Proposed expansion will have less impact than existing one.

Water quality : Eight groundwater samples and one surface water sample were collected from the study area for chemical and biological analysis. The groundwater qualities of the study area are satisfactory. No metallic or bacterial contamination was found in the water quality. But bacterial contamination is found in surface water.

Noise environment : Ambient noise levels were monitored at 8 locations in the study area. . Noise levels in the study area vary from 49.7 dB (A) to 53.30 dB (A) in day time and 40.6 dB (A) to 44.1 dB (A) in night time. The highest levels were observed at Project Site. The baseline noise levels are well within the National Standards. Proposed expansion will have less impact than existing one due to better pollution control facility.

Soil
environment

Two soil samples were collected from the study area and analyzed. The texture of soil is sandy loam. The organic matter, nitrogen, potassium and phosphorus content of the soil are moderate. The pH of all the soil samples is within the acceptable range. No impact on soil will be there for proposed plant.

Water
management
& Solid
Waste
management

: The project is being/would be based on "Zero liquid Discharge ".The waste water is/would be sent to MEE and reduced quantity is being/would be mixed with DWGS and sold as cattle feed or burnt in boiler. Condensate from the MEE is being/would be reused for cooling purpose. Ash from boiler is being/would be sold to brick manufacturers or disposed off by filling of low lying area. Domestic waste water generated from the plant is being treated in Septic Tank and used in green belt development.

Green Belt

Out of the total plant area 33% land is being developed as green belt as per Central Pollution Control Board (CPCB) guidelines.

Odour
management

: 1. Temperature will be kept under control during fermentation to avoid in-activation/ killing of yeast
2. Staling of fermented wash would also be avoided

Environment Management Cell -Representative of Management (Head of Environment Cell).
-Incharge for APCD/ETP.
-Incharge Maintenance Department.
-A representative of Environmental Consultants who will frequently verify the results and authenticate them. Any parameter going beyond the prescribed limits shall be immediately attended to and rectified.

Thereafter, Environmental Engineer, Punjab Pollution Control Board informed the public present that as per the provision of EIA notification dated 14.9.2006 as amended from time to time, the persons present at the venue may seek information or clarifications on various issues related to proposed expansion of the Distillery from the project proponent/consultant. He also informed the public that the information or clarifications sought by them and reply given by the project proponent / consultant is being video graphed and will also be incorporated in the proceedings of the hearing, which will be sent to the Ministry of Environment, Forests & Climate Change, for further consideration. Accordingly, he requested the persons present in the hearing to seek information or clarifications on the project one by one without any fear, pressure or favour.

Thereupon, the detail of the information/ clarifications raised by the persons present at the venue of hearing and the reply given by the consultant of the industry / project proponent is as under:

| S. No | Name of the person | Questions/ query / statements of the person | Reply / clarification given by the company/ panel member |
|--------------|---------------------------|----------------------------------------------------|-----------------------------------------------------------------|
| 1. | Sh. Lakhbir Singh, r/o | He said that he intend to get the entire | Representative of the industry informed that the |

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|----|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Village Burj, District Tarn Taran | information regarding the pollution. | Environmental consultant has already informed the pollution and its control. He further informed that the existing molasses/grain based distillery will be expanded from 60 KLPD to 150 KLPD (60 KLPD to 90 KLPD through modernization & 60 KLPD through new plant) and replacing 1.6 MW co-generation power plant with 2.4 MW and installation of another 2.0 MW co-generation power plant (Total 4 MW). Latest technology will be provided to control the pollution. Multiple effect evaporator will be provided and it will be zero discharge distillery. |
| 2. | Sh. Gurmel Singh S/o Sh. Bakhshish Singh, Village Sheron, District Tarn Taran | What will be benefit to the local people for the establishment of the project. | With the expansion of the project, there will be development of the area and employment will be generated and socio economic scenario of the area will get a facelift. |
| 3. | Sh. Kabul Singh S/o Hari Singh, village Khabe Rajputan, District Tarn Taran. | What will be the benefit to the farmers of the area? | With the establishment of the industry, there will be generation of employment. He also informed that at present out of 500 persons |

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|----|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | are working in the industry out of which 400 persons are local. He further informed that women are also working in the plant and getting good amount for the same. The molasses is collected from the sugar mills and with which the sugar mills are able to give the timely payment of sugarcane to the farmers. |
| 4. | Sh. Gurpreet Singh, Patti, District Tarn Taran. | With the expansion of the project whether in the employment preference will be given to the local people? | As already explained, preference will be given to the local people in employment opportunities. |
| 5. | Sh. Bhupinder Singh, Village Chola Sahib, Dsitric Tarn Taran. | Why the expansion of the project is required? | The representative of the industry informed that technological changes are always required to the industry. Every plant has to adopt latest technology to compete and survive. Expansion is need of the hour to adopt latest technology, reduce cost of production, reduce pollution and increase economic viability. |

Then the Environmental Engineer (Mega), Punjab Pollution Control Board requested the public, that if anyone else want to ask any more question about the proposed expansion project, he may come forward, but no one came forward. After that people were asked to raise their hands who are in favour of this expansion project and most of the people present raised hands in favor of this project. The public hearing was attended by 73 persons.

The public hearing ended with vote of thanks to the chair and all present.

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Punjab Pollution Control
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Environmental Engineer
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Punjab Pollution Control
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