

Proceedings of the public hearing conducted on 12.06.2018 in connection with the application filed by Punjab Small Industries & Export Corporation Ltd., (PSIEC) for obtaining Environmental Clearance as required under the EIA notification dated 14.9.2006 for setting up of "Hi-Tech Cycle Valley" a centralized facility for manufacturing of cycles in the revenue estate of Village Dhanansu, Tehsil Ludhiana East, District Ludhiana (Punjab).

The following were present to supervise the proceedings:

1. Sh. Ajay Sood, PCS,
Additional Deputy Commissioner,
Khanna, Distt. Ludhiana.
2. Er. Rajeev Sharma,
Environmental Engineer (Mega),
Punjab Pollution Control Board,
Patiala.
3. Er. Jatinder Soni,
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office-1, Ludhiana

Sh. Rajeev 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 setting up of "Hi-Tech Cycle Valley" a centralized facility for manufacturing of cycles in the revenue estate of Village Dhanansu, Tehsil Ludhiana East, District Ludhiana (Punjab). He apprised the public about the requirement of conducting the public hearing before deciding the application filed by the Corporation for obtaining the environmental clearance for setting of the Industrial Estate Facility at the said site under EIA Notification no.1533 (E) dated 14.9.2006 issued by the Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India, New Delhi. After considering the application of the Corporation, the State Level Environment Impact Assessment Authority (SEIAA), Punjab had issued 'Terms of Reference' to the project proponent for preparation of draft EIA study report. Now, the project proponent has submitted draft EIA report to the Punjab Pollution Control Board for conducting a 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 Corporation to the Punjab Pollution Control Board was placed in the office of Deputy Commissioner, Ludhiana; Zila Parishad, Ludhiana; General Manager District Industrial Centre, Ludhiana; Regional Office of MoEF&CC at Chandigarh; Environmental Engineer, Regional Office-1 Punjab Pollution Control Board, Ludhiana 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 on 11.05.2018 and in 'Ajit' on 10.05.2018 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 Corporation, who is the Environmental Consultant to elaborate about the main features of the project and the draft EIA study report.

Sh. Sandip Garg, Environmental consultant of the Corporation, brought out the details of the proposed project before the public as under:

- Punjab Small Industries and Export Corporation Limited (PSIEC Ltd.) is a State Govt. undertaking under the Govt. of Punjab, set up in 1962 with the objective of acting with the pace of industrialization in the State. Punjab Small Industries & Export Corporation Ltd. (PSIEC) has planned to set up "Hi-Tech Cycle Valley" a centralized facility for manufacturing bicycles at village Dhanansu, Tehsil Ludhiana East, District Ludhiana Punjab.
- The project is an Industrial Estate project. This site falls under Industrial Zone as per the master plan of Ludhiana 2021 approved by Town and Country Planning Department, Punjab as well as per the Business and Industries, Department Policy 2018, Department of Industries Punjab.
- The project site is at a distance of 8.39 km from Ludhiana- Chandigarh Road, 13 km from Samrala Chowk, 19 km from railway station Ludhiana and 85 km from Chandigarh.
- In Village Dhanansu, about 300 acres of land & in Village Bunker, about 80 acres of land has been acquired. The Project site is spread over 383.39 acres of plot area; out of which, total scheme area is 353.39 acres. In an area of 353.39 acres, there will be 202 plots. The details of Plots is as under:-

Sr. No.	Description	Number of Plots
1.	7.0 acres & above	4 plots
2.	2.0 acres & above	35 plots
3.	1.0 acre & above	05 plots
4.	2.0 kanal plot & above	140 plots
5.	1.0 Kanal plot & above	18 plots
	Total	202 plots

- As per letter no. 1/152/2017-1Cabinet/4639 dated 16.11.2017 related with Industrial and Business Development Policy, 2017 issued by Department of Industries & Commerce, Punjab, the new Hi-tech Cycle valley at Ludhiana will provide state of the art infrastructure, and common facilities.

- Common facilities includes following:-

Amenities/ Utilities	Type of Facilities
Common Amenities 01	Hospital, Bank, Post Office
Common Amenities 02	Fire Station, Police Station
Common Amenities 03	Transport hub, raw material warehouse, finished goods warehouse, canteen, weigh Bridge, petrol pump, truck washing station effluent treatment, design facilities, convention and exhibition center, Parking
Common Utilities	ETP, STP, Over Head Water Tank, Rain Water Harvesting Area, Tank & Pump Room, Gas Bank Area

- In order to increase the competitiveness of the bicycle industry, the State will upgrade the existing Institute of Bicycle and Bicycle Parts as Technology Centre for Bicycle & Bicycle parts in collaboration with leading international experts. The State would tie up with National level reputed organizations to enhance the design and development facilities.
- The proposed project is covered under Category '7(c)'- 'Industrial Estates' in Schedule as per the EIA Notification, 2006 and its amendments. The Project has to obtain environmental clearance from SEIAA, Punjab as it falls under Category B since its plot area is 383.39 acres i.e. 155.15 hectares.
- PSIEC has already applied for obtaining environmental clearance to the SEIAA, Punjab under EIA Notification and the said corporation has been granted Terms of Reference (TOR) by SEIAA vide no. 856 dated 05.05.2017. Accordingly, draft EIA/EMP study report has been prepared after carrying out the monitoring from 23rd March to 13th June, 2017. Final EIA/EMP report incorporating the issues raised & addressed during the Public Hearing will be submitted to SEIAA, Punjab.
- The total cost of the project is Rs. 400 +100= 500 Crores which includes cost of land.
- The total estimated population will be 41,404 persons which includes skilled & unskilled labour.
- Total water requirements would be around 9480 KLD which includes domestic water requirement @ 3720KLD & Process water requirement @5760 KLD. Fresh water requirement@ 3057 KLD will be obtained partly from nearby canal and partly from the bore well to be installed in the individual plots. Permission for bore wells will be taken from CGWA by individual plot owners.
- Total waste water generation would be around 3639 KLD and the same will be treated in STP of 4 MLD Capacity. Apart of treated sewage water will be used for

flushing and rest of sewage water will be discharged onto land for plantation to be developed as per Karnal Technology. Total effluent generation will be around 3744 KLD and the same will be treated in CETP of capacity 4 MLD. Apart of treated effluent will be used into the process and the rest will be discharged for irrigation purpose. Six Rain Water Harvesting pits will be installed in each individual plots.

- Power requirements will be 66 KVA. PSPCL is proposing 400 KVA new substations and accordingly 30 acres of land is allocated for electric Supply by the PSPCL for their upcoming 400 KV switchyard. PSPCL will install 66KV switchyard in first phase which will be enhanced to 400 KV in future. It has been planned that 11 KV supply will be made available initially by PSPCL for further distribution from proposed 66 KV switchyard. It is assumed that necessary power transformers (2 Nos.- 20/25MVA, 66/11KV) will be installed by PSPCL.
- The solid waste @10,357 kg/day and landscape waste@5.2 kg/day is likely to be generated. The waste will be disposed off as per Solid Waste Management Rules, 2016. As of now, there is no such process in the proposal which will lead to generation of hazardous waste. In future, if such industries come up in the area then the Hazardous Wastes will be disposed off as per Hazardous wastes (Management & Handling) Rules 1989 and its amendments. There is one location in Ludhiana for disposal of hazardous waste at Jamalpur Site.
- The estimated environmental impacts of the proposed project are as under:

Ambient Air Quality

- The existing ambient air quality, in terms of Particulate Matter (PM₁₀), Particulate Matter (PM_{2.5}), Sulphur-dioxide (SO₂), Oxides of Nitrogen (NO₂), and Carbon Monoxide (CO), has been measured for 24 hrs except CO (1-h), at twice a week at each location.
- To assess the ambient air quality level, 4 monitoring stations were set up. The levels were not found within the NAAQS limits during the monitoring period (Pre monsoon) i.e. from 23rd March, 2017 to 13th June, 2017. The ambient monitoring of Air in buffer zone has been observed to be more than the permissible limits due to the cumulative imports of the industrial and domestic pollution sources in the city of Ludhiana. All DG sets will be installed with acoustic enclosures as per latest CPCB Norms.

Noise Environment

- The day noise levels have been monitored during 6.00 am to 10.00 pm and night noise levels during 10.00 pm to 6.00 am at all the 4 locations, which covers (project site) residential areas, and silence zones, available within 10 km radius of the study area. The ambient noise pollution in buffer zone has been observed to be well within the permissible limits. It can be seen from the

analysis results that the night time Leq (Ln) varies from 43 dB (A) to 47 dB (A) and the daytime Leq (Ld) varies from 56 dB (A) to 69 dB (A) within the study area. Low noise level is due to absence of any construction/ industrial activity in the area. Noise pollution will be mitigated with development of Green Belt around the projects with plant species that can control air, noise.

Water Environment

- The prevailing status of water quality at 4 sampling locations for ground water has also been monitored during the baseline study. The water quality in the impact zone was assessed through physico-chemical and bacteriological analysis of ground water samples. The results have been compared with the drinking water quality standards specified in IS: 10500. It was observed that concentration of all the physico-chemical parameters and heavy metals from surface and ground water samples are below the values stipulated in the drinking water standards. pH of the monitoring sites range from neutral to slight alkaline i.e. 6.9-7.5. Alkalinity & TDS are under the permissible limits but still the values are considerably high as compared to the desired. Concentration of heavy metals such as Cu, Cd, Pb, and Zn are below the desirable limit. Hardness of water depends upon the presence of Ca^{2+} & Mg^{2+} contents in water, which is higher than desirable limit and below the permissible limit. All the ground water samples analyzed can be considered fit for drinking purpose in the absence of alternate sources.

Land Environment

- Assessment of soil characteristics is of paramount importance since the vegetation growth, agricultural practices and production is directly related to the soil fertility and quality. Physical characteristics of soil were characterized through specific parameters viz porosity, water holding capacity, pH, electrical conductivity and texture. Soil pH plays an important role in the availability of nutrients. Soil microbial activity as well as solubility of metal ions is also dependent on pH. In the study area, variations in the pH of the soil were found to be little alkaline (7.3 to 7.7). Electrical conductivity (EC) is a measure of the soluble salts and ionic activity in the soil. In the collected soil samples the conductivity ranged from 0.32 to 0.398 $\mu\text{mhos/cm}$. 20 acres of land adjoining to the project site will be acquired for making 100 feet wide road in order to make the connectivity of the project site with Chandigarh Ludhiana Road.

Biological Environment

- There is no forest area or biologically sensitive area within the 10 km radius of the project site. The species observed in the study area are mostly plantation crops. There is no such type of flora and fauna species found in the study area as per Schedule-I.

Socio Economic Environment

- During the construction phase of Industrial Estate project at Dhanansu, about 150 workers (skilled and unskilled) will get direct employment opportunity, as during construction phase, the development of all service facilities including civil works, service corridors, lands scoping, pump house, PHE services, fire hydrant system, installation of two substations/electrical fitters and STP will take place and during operational phase about 40,000 workers will get direct employment which will have beneficial impact on the local people and improve socio-economic conditions of the area.

ENVIRONMENT MANAGEMENT PLAN

- Environmental Management Plan (EMP) is the key to ensure a safe and clean environment. The EMP envisages the plans for the proper implementation of mitigation measures to reduce the adverse impacts arising out of the project activities. This includes following aspects:
 - ❖ Pollution control/mitigation measures for abatement of the undesirable impacts caused during the construction and operation phase.
 - ❖ Details of management plans (Green belt development plan, Waste management plan etc.)
 - ❖ Institutional set up identified/recommended for implementation of the EMP.
 - ❖ Post project environmental monitoring programme to be undertaken.
 - ❖ Expenditures for EMP.
 - ❖ The budget allocated for execution of Environment Management Plan is Rs 15.21 Lakhs.

Social Commitment

- The project proponent has included following activities under CSR by to improve the quality of life of the people residing in the vicinity.
 - **In support of Health-** Health Checkups and Medical Camps, Sanitation & Hygiene Awareness Camps, will be carried out once in every quarter of a year in the villages around the project site.
 - **In support of Education-**Providing uniforms and books to the students, Spreading the light of education by providing scholarship or financial assistance to underprivileged children and meritorious students for their higher & technical education. Promotion of Agro-based activities by providing financial backing to the farmers of the study area for purchasing seeds, fertilizers and pesticides.
 - **In support of Skill Development-** Setting up of Computer Literacy Centers for providing training to the women for making them self-dependent and to improve their skill and economic condition.

- **In support of Sports, Art & Culture**-Organizing sports events & tournaments and providing financial aid to the eligible candidates for coaching and proper training.
- **In support of Other Development Activities**-Providing maintenance & development of the public park(s) situated in the study area.
- **Skill development centre will be established under the project for providing full up gradations offer to youth residing in the study area.**
- In compliance to the CSR Policy and as a responsible corporate citizen, a budgetary amount (2% of the project cost) will be spent in span of five years after commencement of the project in order to implement the aforesaid CSR activities.

An Environment Management Cell will be created to effectively monitor all environmental parameters. The Environment Management Cell shall include:

- Representative of Management (Head of Environment Cell)
- Process In-charge
- In-charge Maintenance Department
- A representative of Environmental Consultants
- A representative of local body

Thereafter, Environmental Engineer (Mega) brought into the notice of public present at the venue of hearing that as per the provisions of EIA notification dated 14.9.2006, as amended from time to time, the persons present at the venue may seek any information or clarifications on the project from the project promoter. It was also brought into the notice of the persons present there that the information or clarifications sought by them and reply given by the project proponent will be recorded in the proceedings of the hearing, which will be sent to the SEIAA, Punjab for further consideration. Accordingly, he requested the persons present in the hearing to seek information or clarifications on the project one by one. He also informed that no information / clarifications / comments / views / suggestions / objections on the project have been received from the public in writing by the Board, so far.

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

Sr. No	Name of the person	Detail of query / statement / information / clarification sought by the person present at the venue of hearing.	Reply of the query / statement / information / clarification given by the project proponent
1.	Sh. Sohan Singh Ex. Sarpanch,	He informed that only announcements have been	Environmental Consultant of the project proponent

	<p>Village Dhanansu, District Ludhiana</p>	<p>made but the same are not implemented. We are lucky as we are residing at the eastern side of the Budha Nallah. There is lot of pollution in the Budha Nallah. There are two industries established near their vicinity, which are discharging effluent in the Budha Nallah. The paper Mill established near the Budha Nallah is discharging its effluent in the Budha Nallah. A committee was constituted by the Govt. to clean the Budha Nallah under the Chairmanship of Sh. P. Ram, IAS and they have met him many times and told regarding pollution in the Budha Nallah. Sh. P. Ram Committee has made its efforts but no solution has been made. If, with the establishment of the project, water pollution, air pollution & noise pollution is created, then what will happen in the area. The quantity of the water required for the project as informed by the consultant of the project proponent is quite high and if this quantity of water is abstracted from the groundwater, then the borewells (electrical motors) fitted in their fields will stop work.</p> <p>He wants to know about the ground water recharge plan of the project proponent.</p>	<p>informed that:-</p> <ol style="list-style-type: none"> 1. The industries which will come in the site can discharge their effluent after achieving certain prescribed standards in the Common Effluent Treatment Plant, which will be set up in the project. If the quantity and/or quality of effluent increases, then the industries have to set up their own ETP. A clause in this regard will be mentioned in the allotment / agreement letter wherein quantity & quality of trade effluent to be discharged into PSIEC sewer will be defined. 2. Major quantity of water will be taken from Irrigation Minor and the Drainage Department has given permission in this regard. 3. Rainwater harvesting will be made. 4. Green belt will be developed in 26 acres wherein three rows of plants will be planted. 5. DG sets with acoustic enclosures will be installed and adequate stack height will be provided.
<p>2.</p>	<p>Sh. Satwinder Singh, r/o Salu Bhaini, District Ludhiana</p>	<p>What will be the economic benefit from the project?</p>	<p>Environmental Consultant of the project proponent informed that with the establishment of project, there will be direct/indirect employment opportunities to the nearby residents, development of the area and values of the land will increase.</p>

3.	Sh. Aaya Singh Panch S/o Charan Singh, r/o Kadial Khurd, District Ludhiana	What will be the benefit to youth of the area with the establishment of the project? Employment should be given to the local people on priority basis	Employment will be offered by the private industrialists and they are likely to prefer local residents automatically.
4.	Sh. Malkit Singh, Ex. Sarpanch, Village Baunkar Gujra	When the resolution regarding allotment of land to PSIEC was passed by the Gram Panchayat Bounkar Gujran, there was a first condition to prefer the employment by the project proponent to the youth of their villagers.	Sh. Bhatia, Chief Engineer, PSIEC informed that this project will be developed in 380 acres land and there will be employment opportunities from the project. Norms regarding control of pollution as fixed by the Punjab Pollution Control Board will be complied with.
5.	Sh. Sohan Singh Ex. Sarpanch, Village Dhanansu, District Ludhiana	<ol style="list-style-type: none"> 1. Five times compensation from the collectoral rate should be given to the farmers, whose land has been acquired by the Govt. for this project. 2. What are the norms to acquire the land for the project. 	Sh. Bhatia, Chief Engineer, PSIEC informed that a committee has already been constituted by the Govt. to resolve this issue and the matter is under consideration.

Environmental Engineer (Mega) clarified that in the proposed individual estate, basically electroplating units will be established and as such, ground water recharge on the project site may not be permitted.

To this observation, Environmental Consultant of the project proponent stated that they will suggest ground water recharging at alternate locations in the vicinity.

Sh. Sohan Singh, Ex. Sarpanch, Village Dhanansu, District Ludhiana stated that Government should apply proper thought process in the planning and implementation of the project as many times results of Government ideas are in vain due to ill planning. He cited an example of designing ponds for discharging waste water of their village which was dug upstream i.e. against the natural surface water flow and could not be utilized for the purpose they were meant for.

Environmental Engineer (Mega) further requested the persons present at the venue of hearing that if anyone else wants to seek any information/ clarification on the proposed project, but no one came forward. Thereafter, he requested the persons present in the hearing to confirm, by raising their hands, as to whether they are in favour of establishment of the unit at this site. In response to this, about 95% of the persons present at the venue of public hearing raised their hands in favour of proposed plan of the project proponent. This public hearing was attended by 48 persons.

The hearing ended with vote of thanks to the Supervisor-Cum-Presiding Officer and the public present in the hearing.

(Jatinder Soni)
Asstt. Env. Engineer,
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Ludhiana

(Rajeev Sharma)
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(Ajay Sood) PCS,
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