

Proceedings of the Public Hearing conducted on 29.03.2012 at 11.30 a.m.in connection with application filed by Department of Industries & Commerce, Govt. of Punjab, for obtaining environmental clearance under EIA Notification dated 14/9/2006 for the mining site at 158.4 Hectare Village Bahrian, Tehsil & District Pathankot.

The following were present to supervise the proceedings:-

1. Smt. Sarojini Gautam Sharda, (PCS)
Additional Deputy Commissioner,
Pathankot.
2. Er. Sandeep Bahl,
Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Hoshiarpur.
3. Er. Ashok Kumar Chalotra,
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Hoshiarpur.
4. Er. Prem Kamal,
Asstt. Environmental Engineer,
Punjab Pollution Control Board,
Regional Office, Hoshiarpur.
5. Sh. Balwinder Pal Singh
General Manager,
District Industries Centre-cum-Mining Officer,
Pathankot.

Environmental Engineer, Punjab Pollution Control Board, Regional Office, Hoshiarpur welcomed the Supervising-cum-Presiding Officer and people from the Bahrian Village who came to attend the public hearing for mining sites in the revenue estate of **Village Bahrian, Tehsil & Distt. Pathankot**. He apprised the public about the requirement of conducting the public hearing before grant of environmental clearance under EIA Notification no.1533 (E) dtd.14.9.2006 of the Ministry of Environment and Forests, Govt. of India, New Delhi. He also brought into the notice of public that the Department of Industries & Commerce, Govt. of Punjab has submitted copies of draft rapid EIA report alongwith the Executive Summary of the same and a copy of each such document was placed in the office of Deputy Commissioner, Pathankot; Zila Parishad, Gurdaspur; General Manager District Industries Centre, Pathankot; Executive Officer, Municipal Council, Pathankot, Regional Office of MoEF at Chandigarh and Regional Office, Punjab Pollution Control Board, Hoshiarpur for access to the public and other stakeholders. He further brought out that a notice of public hearing was published in three prominent newspapers 'Hindustan Times' & 'The Tribune' & 'Daily Ajit' on 9.2.2012(**Annexure –A**) 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. He informed that today's

Public hearing is being conducted for the mining area of **158.4 Hectares** located in Village: **Bahrian, District: Pathankot** as per application submitted by the Project Proponent i.e. Department of Industries and Commerce, Government of Punjab, Chandigarh through Mining Officer, Pathankot. District Pathankot.

He further intimated that pursuant to the publication of Public Notice regarding conduct of Public Hearings; an office order was issued by Deputy Commissioner, Pathankot Vide No. 926-27 dated 16.02.2012 (copy enclosed **Annexure-B**) regarding Supervision of Public hearing and direction to concerned area Sub-Divisional Magistrate for conducting MustriMunadi through Halqua Patwari on a day prior to Public hearing to ensure maximum participation of public for decision making. Further District Public Relation Officer was also requested to give wide publicity in the print & electronic media to ensure maximum participation of the public vide Punjab Pollution Control Board vide letter No. 1278 dated 13.02.2012. Sarpanch & Chowkidar of the Village **Bahrian, Tehsil & Distt. Pathankot** has also submitted Certificate regarding conducting of Munadi through Village Chowkidar & Local Gurudwaras/ Mandir as well as through distribution of Pamphlets (**Annexure C**). He also informed that details of khasra Nos. duly signed by Mining Officer alongwith Coloured copies of proposed mining area has been displayed on the Notice Board at the venue of Public hearing for convenience of the public which are placed as per **Annexure –D&E**. Proposed Mining site was properly explained by the Halqua Patwari, which has also been video recorded, photographed and forms a part of the proceedings of Public hearing.

He also informed that Divisional Forest Officer, Pathankot was requested vide Punjab Pollution Control Board, Regional Office, Hoshiarpur Letter No. 1406 dated 17.02.2012 to be present during the Public Hearings for their comments, views, suggestions & objections regarding proposed mining projects on behalf of his department, considering the fact that near most of the proposed river bed mining sites, there is possibility of forest land / wild life sanctuary/ protected forest area.

He further informed the audience that being a Category 'A' project the EAC / SEAC has determined detailed and comprehensive TOR (Terms of Reference) addressing all relevant environmental concerns for the preparation by an EIA report in respect of mining project for which prior environmental clearance is sought of Department of Industries & Commerce through Mining Officer, Pathankot. Copy of the TOR (Terms by Reference) enclosed as per **Annexure-F**. He apprised the audience of some of the following important points of Terms of the Reference (TOR), which are part of Draft EIA report submitted by the Project Proponent.

- The terms and conditions imposed, if any, by the Competent Authority in the State Government while granting mining lease/ permit/ contract should be built into the mine plan (Eco friendly Mine Plan) as well as the EIA report. It may inter-alia include; area of working (length and breadth of the river stretch), mode of working, working shift, transportation of mineral, restriction, if any imposed for working etc.
- Involvement of the forest land, if any, in the project and status of forestry clearance should be given.

- The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine/ lease period.
- Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory routes of fauna, water bodies, human settlements and other ecological features.
- Land use plan of the mine lease area should be prepared to encompass pre-operational, operational and post operational phases.
- Impact of the project on the wildlife in the surrounding and any other protected area and accordingly detailed mitigate measures required should be worked out with cost implications.
- The vegetation in the RF/PF in the study area, if any.
- A study shall be got done to ascertain the impact of the mining project on wildlife of the area including on the elephant population.
- Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves (existing as well as proposed) within 10 KM of the mine lease should be clearly indicated.
- A detailed biological study for the study area [core zone and buffer zone (10 KM radius of the periphery of the mine lease)] including the aquatic fauna in the riverine system shall be carried out.
- Impact on topography, drainage, agricultural fields, wildlife, water logging leading to water borne diseases, if any. It may also be shown whether it will lead to change of water course of the river. Modeling exercise should also be carried out through an expert agency to show the change in river flow dynamics, if any.
- Collection of one season (non-monsoon) primary baseline data on ambient air quality (PM10, SO2, and NOx), water quality, noise level, soil and flora and fauna.
- Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area.
- Impact of the project on the water quality should be assessed and necessary safeguard measures, if any required should be provided.
- Information on site elevation, working depth, groundwater table should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- Quantity of solid waste generation, if any, to be estimated and details for its disposal and management be provided.
- Impact on local transport infrastructure due to the project, Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) and whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated including action to be taken by other agencies such as State Government, if any, should be covered.
- Details of the infrastructure facilities to be provided for the mine workers.
- Phase-wise plan of greenbelt development, plantation and compensatory afforestation clearly indicating the area to be covered under plantation and the species to be planted.
- Occupational health impact of project should be anticipated and prevention measures initiated. Details in this regard should be provided.
- Details of pre-placement medical examination and periodical medical examination schedules and medical facilities proposed to be provided should be incorporated in the EMP.
- Measures of socio economic influence to the local community proposed to be provided by project proponent. As far as possible, quantitative dimension to be given.
- Detailed environmental management plan to mitigate the environmental impacts. Specific safeguard measures to control PM10 as well as pollution due to transportation should be given.
- Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided.
- Details of litigation pending against the project, if any, with direction/ order passed by any Court of Law against the project should be given.
- The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.

- All documents to be properly referenced with index, page numbers and continuous page numbering.
- Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
- Where the documents provided in a language other than English, an English translation should be provided.
- The questionnaire for environmental appraisal of mining projects as devised earlier by the ministry shall also be filled and submitted.
- Approved mine plan along with copy of the approval letter for the proposed capacity should also be submitted.
- While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August , 2009, which are available on the website of this ministry should also be followed.

Assistant Environmental Engineer further apprised the audience of the fact that mining has to be carried out as per Environmental Impact Assessment Guidance Manual for Mining of Minerals as published by Ministry of Environment Forests, New Delhi through Administrative Staff College of India, Hyderabad which includes some of the additional points to be taken into consideration for Environment friendly mining. In addition to some of the points already raised in Term of Reference; following issues will also be monitored:

- The mining has to be carried out only upto 3 mtrs. (BGL) Below Ground Level and Mining has to start after date of opening of Mining Activities i.e. after grant of Environmental Clearance.
- Whether there is involvement of any Forests land in proposed area of Mining.
- Whether there is any Wild Life Sanctuary within 10 Kms. from the area of proposed mining project.
- There will not be any quarry operation within the distance of 75 m from railway line / 50 m from reservoir tank, canal, public road, building and in-habitat sites etc.
- Whether there is any Defence establishment near by the area of proposed mining project.
- Mining will not be allowed below water the table.
- The mining should be prohibited to distance of 500 m on upstream and downstream from the high level bridge and 250 m from the other bridges on upstream and down stream

He also pointed out that project proponent is legally bound to get necessary approvals 'if applicable' from other departments like Forest Department & Ground Water Board under relevant Acts & Rules for the Proposed Mining Projects. He further informed that around 50 persons are present in the Public hearing out of which 37 have signed the attendance register.

Thereafter, he requested the Project Proponent i.e. Mining Officer, Pathankot to elaborate the main features about the project and the draft EIA study report. Mining officer, Pathankot Sh. Balwinder Pal Singh gave the description of the site for which Environmental clearance is sought. He intimated to the public that total proposed mining land as indicated in Draft EIA Report has been shown as Govt. waste land and he also submitted copy of signed list of khasra Nos. of proposed mine lease which has not been demarcated as of now.

However these Khasra Nos. of proposed mining site includes Panchayat Land. In majority of the proposed mining area, deep mining has been carried out in patches at some places, even beyond 3 Mtrs. BGL thereby surpassing restrictions to be imposed in proposed Environmental Clearance which was videographed and photographed depicting damage already done to the Environment.

Then he introduced and invited Sh. **N.K. Sharma** Representative of M/s Grass Roots Research & Creation India (P) Ltd, Noida, Consultant of Department of Industries & Commerce to elaborate about the main features of the project and the draft EIA study report.

Sh. N.K. Sharma of M/s Grass Roots Research & Creation India (P) Ltd, Noida engaged by Department of Industries & Commerce, for conducting the EIA study for this project brought out the details of the project before the public as under:-

1) The development of the infrastructure is based upon the building materials such as sand and gravel for which controlled mining at the source is required. Govt. of Punjab has to allot / earmark the various sites from which the mining of minerals has to be undertaken. Accordingly, this site is also one of such site from where mining is to be carried out, hence the environmental clearance is required.

2) PROJECT DESCRIPTION

As per the Eco-friendly Mining Plan, it is a proposed project to mine Sand/Gravel and the estimated project cost is **10.36 Crore**. Department of Industries and Commerce, Chandigarh (Punjab), though has not yet notified the mining lease of Sand/Gravel in the name of **Bahrian, Taluka: Pathankot**, Punjab. The mining lease / proposed project area falls in Survey of India Toposheet No. **43P/7 & 43P/11**. The mine lease area is located between **32°20' 56.94" to 32°21' 42.77"N Latitude and 75°33' 04.16" to 75°34' 21.17" E Longitude**. The River bed is having **158.4** Hectare area which with approx. **14.4 Lacs** tonne per year of Sand/Gravel deposit in it, which is replenishable due to sediment Inflow.

3) The mining will be carried out by excavator of 1.1 cubic meter capacity. No drilling or blasting will be carried out at the site and the mining will be with simplest procedure of lifting the material and loading to the vehicles mechanically. The mining will be done upto working depth of 3 m BGL only.

4) Baseline data has been collected with respect to land, water, air, ecological and noise in the area of 10 km radius surrounding the site.

He further informed that as mentioned in Draft EIA item No. 1.2 as well as in TOR (Terms of Reference), the mining area has not been notified by Department of Industries Govt. of Punjab.

5) Mitigation measures for different Environment parameters:

A) Air Environment: The dust emitting will only be possible from the movement of the vehicles for which water spraying will be carried out on the road. Overloading of vehicles will not be allowed.

B)Water Environment:

- There will be no degradation of water quality, only natural flow of the river will be maintained.

C)Soil Environment:

- The mining will not effect in any way the quality of the soil as the level of the area lowered by the mining will be compensated by the flowing river, during rainy season.

D)Noise Environment:

- There will be no heavy machinery to be used in the mining, the possible noise will be from movement of vehicles only.

- The movement of vehicles will be restricted to the day time only with minimum use of horns.

E) Social Aspects

- River channel will be controlled and protection of banks will lead to safety of adjoining agricultural land.
- Employment will be generated hence improvement of socio-economic aspects of the area.

6) Budget for Implementation of Environmental Management Plan

Cost of EMP

S. No	Description	Cost to be incurred (in lakhs/annum)
1	Air Quality a) Monitoring in the vicinity of the mine b) Monitoring in the vicinity of the transportation network c) Cost of dust suppression	17.35
2	Water Quality a) Water quality of surface and groundwater around the site b) Drinking water must conform to drinking water standards	12.4
3	Ambient Noise Level	3.74
4	Soil Quality	5.94
5	Socio-economic condition of local, population, physical survey	2.47
6	Man power cost for environmental cell	9.9
	TOTAL	51.8

Thereafter, Additional Deputy Commissioner, Pathankot 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 mining project 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 will be videographed and will also be incorporated in the proceedings of the hearing, which will be sent to the Ministry of Environment & Forests, for further consideration. Accordingly, she 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. Ramesh, BDPO, Village	<ul style="list-style-type: none"> • Panchayat has right on Panchayat 	<ul style="list-style-type: none"> • Suggestions/Comments/

	Behrian Bajurag, Tehsil & District Pathankot	land and the Panchayat will take decision that whether mining should be carried out or not. Decision in this regard can be taken by villagers in Gram Sabha meetings.	Objections/ Views were well recorded
2.	Sh. Utam Singh, s/o Sh. Gurdit Singh, Village Behrian Bajurag, Tehsil & District Pathankot	<ul style="list-style-type: none"> ● Our villages are situated near the rivers. Due to crushers we have got employment. But with the establishment of this small project we are bearing too much loss, the water level has gone down, due to which the hand pumps got dried in summer. ● The stone crushers has provided plantation and sprinklers, in spite of that due to blowing air in summer, the emanating dust harms the crops and villagers. ● Our roads got damaged due to these crushers. We asked the MLA for the construction of road. He replied that the roads will be repaired after 05 years. ● In rainy season pits on the roads comes into existence and water gets stagnated there, due to which the uniform of school going children gets dirty. ● With the establishment of large projects, condition of villages near river will also become worst. ● We agree that project is going to be established on Panchayat land, but the Panchayat land is also governed by the Village. ● The upcoming project must be established in the river. 	Suggestions/Comments/ Objections/ Views were well recorded
3.	Sh. Khajan Chand, Retd. Block Education Officer, Village Behrian Bajurag, Tehsil & District Pathankot	<ul style="list-style-type: none"> ● Due to damaged road dust is spreading on the houses and crops of villagers. Due to this pollution, there is too much loss to the villagers. ● Due to movement of vehicles villagers are facing noise pollution. ● The roads are neither being repaired either by the Mining persons nor by the contractor. ● The compensation from mining 	● Suggestions/Comments/ Objections/ Views were well recorded

		<p>should be paid to the Panchayat, so that its income may be increased.</p> <ul style="list-style-type: none"> • Only 2% of village population is working in the Crushers and the remaining are outsiders. 	
4.	Sh. Balbir Singh, Village Behrian Bajurag, Tehsil & District Pathankot	<ul style="list-style-type: none"> • The project started in the year 2006 by the Govt. has neither been verified by the Mining officer nor by the Govt. • The panchayat land has been proposed as 158.40 hectare. In which 20 ft. mining has already been carried out. The roads leading to our land has also been destroyed due to it. • There is no estimation that whether the proposed project will take 10 years or 15 years to execute, and everything may get eroded upto that time. If the water is released from the dam then it will flow towards the village. • I want to know that how much distance is required from the village houses for the establishment of crushers. Nothing has been said in this regard in the said project. • The villagers of Gujjar are on the banks of the river. The cattle of the villages died due to dust and there are so many layers of dust on the crops. I think that the crushers are situated just at a distance of 01 acres against the 500 mt. The Pollution control Board has provided them permission for establishment. 	<ul style="list-style-type: none"> • Environmental Engineer said that crushers should be established at a distance of 500 mt. from the Village Lal lakir. We get Tehsildar certificate before giving NOC to the crusher. As Pollution Board has no Revenue Record. This record is available with the Patwari, Tehsildar, Kanugoo. Only after getting certificate from the Tehsildar that the distance of crusher is more than 500 mts. NOC is given by the Board. • We also got certificate from the District Town Planner, if both agree with to, NOC is given by the Board. • Give us the name of the crusher having distance of 50 mt inspite 500 mts. from village take action against all those stone crushers if found not meeting with siting criteria.
5.	Sh. Muriddin, Village Behrian Bajurag, Tehsil & District Pathankot	<ul style="list-style-type: none"> • The Crusher told by the Balbir Singh is M/s Subhash Crusher. • Our cattles are dying due to pollution arising from the stone crushers. 	<ul style="list-style-type: none"> • Suggestions/Comments/Objections/ Views were well recorded
6.	Sh. Kamal, s/o Janak Raj, Village Behrian Bajurag, Tehsil & District Pathankot	<ul style="list-style-type: none"> • I have written a letter regarding the problem faced by the Village. • It is requested that due to passing of large vehicles carrying bajri from the village ,the situation of our village roads has become worst and 	<ul style="list-style-type: none"> • Suggestions/Comments/Objections/ Views were well recorded

		<p>people are facing passage problems.</p> <ul style="list-style-type: none"> ● Due to movement of overloaded vehicles from the village ditches has come into existence. As a result upto 2-3 ft. deep water gets stagnated in rainy season and it becomes difficult for the villagers to walk on the road and they even hesitate to send their children to school. ● There is always a danger of accidents due to movement of vehicles. Whenever the MLA or any officer is asked for the construction of the road, then the reply is that the road is broader; some ask it is 37 ft. wide, some ask it is 57 ft. wide and some ask it is 50 ft. wide. ● Why this road has not been widened during last 50 years. People said that it is a highway, if it is a highway then firstly it should be made highway. Whether this highway will be prepared by destroying the houses of the villagers. ● Too much dust particles arise due to the passing of vehicles, due to which the villagers are being caught by diseases. ● If the project is executed compensation will be paid to the Panchayat. If I fall ill due to this who is going to take responsibility of it. ● Our roads should be maintained, but passing of vehicles should be stopped. If roads are constructed there will be more possibilities of accidents as vehicles will move with a greater pace. ● You said that mining will be carried out upto 03 mt. depth but it has already been done upto 10 ft, now from where mining will be carried out. The water level has already gone down due to and which too much problems are being faced during summer due to mining. 	
7.		<ul style="list-style-type: none"> ● I am the owner of the crusher. There are no dust particles as wet material 	<ul style="list-style-type: none"> ● Suggestions/Comments/Objections/ Views were

		<p>is coming from the river.</p> <ul style="list-style-type: none"> • The matter related to the roads is of the Punjab Govt. not our as the roads are to be constructed by the Punjab Govt. • All the crushers have been established at a distance of 500 mt. from village and have also got approval from the concerned authority. 	well recorded
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Assistant Environmental Engineer requested the public if anyone else want to ask any question about the proposed project, but no one came forward. He further informed that no written objections/ suggestions have been received regarding the proposed mining site.

As EIA study has been carried out by the Project Proponent through its consultant without demarcation of proposed mining site and without taking into consideration site specific ground realities. The Project Proponent was asked to officially own data used/ generated during EIA study which has been incorporated in Draft EIA Report. General Manager, DIC-Cum-Mining Officer, Pathankot has submitted a letter issued by Director of Industries & Commerce, Punjab, Chandigarh in this regard stating that "it is not feasible to certify the data and other information included in the EIA / EMP reports prepared by the Consultant Firm at this juncture as the reports are yet to take final shape" has been annexed alongwith this report as **Annexure –H**.

The representative of the Project Proponent i.e. Mining Officer, Pathankot asked to furnish details of Khasra Nos. of Village Bahrian for which Environmental Clearance is sought. Consequently, **Sh. Balwinder Pal Singh, Mining Officer, Pathankot clarified that the proposed mining area as recorded in TOR issued to them is 158.4 Hectares and accordingly Draft EIA report the land has been prepared for 158.4 Hectares. Halqua Patwari has submitted certificate that the Khasra Numbers included in the Proposed Project are under ownership of Panchayat Deh and Khasra No. 83/2 adjoin with boundary of Guide Bandh.** He also submitted duly signed copies of the actual proposed mining area falling in Khasra Nos. 16/5 (3-12), 6 (7-8), 14 (2-14), 15 (8-0), 16 (8-0), 17 (6-0), 25 (7-19), 21/8 (8-0), 9 (4-8), 19 (2-18), 20 (6-18), 22/24 (6-11), 25 (8-1), 83/2 (3090-4) Village Bahrian which is attached herewith as per **Annexure-G. It is reiterated that total proposed mining land as indicated in Draft EIA Report has been shown as Govt. waste land however actually it is Panchayat land.**

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

Copies of DVD's of video recording and still photography of the Public Hearing are enclosed which may please be considered as a part of the proceedings.

(Smt. Sarojini Gautam Sharda)
(PCS)
Additional Deputy Commissioner,
Pathankot.

(Er. Sandeep Bahl)
Environmental Engineer,
Pb. Pollution Control Board,
Regional Office, Hoshiarpur.

(Er. Ashok Kumar Chalotra)
AEE
Punjab Pollution Control
Board, Regional Office,
Hoshiarpur

(Er. Prem Kamal)
AEE
Punjab Pollution Control
Board, Regional Office,
Hoshiarpur