



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-0172-577870-73, Fax No. 2581201
E-mail: hspcbhazardouswaste@gmail.com

HSPCB/HWM/2024/ Dated: 16-12-2024

To

The Director General,
Information, Public Relations & Cultural Affairs Department,
Haryana, Chandigarh.

Subject: Regarding Public Hearing for the Draft EIA/EMP report for Sand Mining (Minor Mineral) from the Riverbed of Yamuna with 20,17,000 TPA production over an area of 51.15 Hectare located at Village Bega, Tehsil Ganaur, Sonipat, Haryana.

Kindly refer to the subject noted above.

In this connection, I have been directed to enclose herewith advertisement regarding Public hearing to be held on 29.01.2025 at 02.00 PM at the site i.e Village Bega, Tehsil Ganaur, Sonipat (Haryana) regarding conducting public hearing respect to Environment Clearance of Proposed Sand Mining (Minor Mineral) from the Riverbed of Yamuna with 20,17,000 TPA production over an area of 51.15 Hectare located at village Bega, Tehsil Ganaur, Sonipat, State Haryana by M/s Tirupati Earth & Project Work Pvt. Ltd. in compliance with EIA notification dated 14th September,2006 for publication in the following leading newspapers on DAVP rates:-

1. One major national daily newspaper.
2. One Regional vernacular daily Newspapers in Hindi.

This advertisement should appear on or before **20.12.2024** in the above said two newspapers only and bills of above two newspapers on DAVP rates may be sent to this office at the earliest, the bill payment of above said notice will be made for two newspapers only.

Endst. No. HSPCB/HWM/2024/ Dated: 16-12-2024

A copy of the above is forwarded to the following for information and necessary action:-

1. Deputy Commissioner, Sonipat
2. Regional Officer, Sonipat, Plot. No. 1, Sector-15, Part-II, Sonipat.
3. Chairman Zila Parishad, Sonipat.
4. Commissioner, Municipal Corporation, Sonipat.
5. The Joint Director, District Industries Centre, Sonipat.

Endst. No. HSPCB/HWM/2024 / Dated: 16-12-2024

A copy of the above is forwarded to the following for information and necessary action:-

1. Regional Officer, Haryana State Pollution Control Board, Sonipat. You are asked to send the copy of EIA report and Executive Summary and Pen Drive to the concerned authorities mentioned above to place the

same in their offices for consultation of the general public during office hours.

2. M/s Tirupati Earth & Project Works Pvt. Ltd., Yamunanagar
3. Sr. EE (IT), to ensure that the notice is uploaded on the website of the Board.

Endst. No. HSPCB/HWM/2024/ Dated: 16-12-2024

A copy of the above is forwarded to the following for information please:-

1. The Additional Chief Secretary to Govt. of Haryana, Environment, Forest and Wild Life Department, Haryana, Chandigarh.
2. The Director, Environment and Climate Change Department, Haryana.

Endst. No. HSPCB/HWM/2024/ Dated: 16-12-2024

A copy of the above is forwarded to the following for information please:-

1. Administrative Secretary-cum-P.S to Chairman.
2. PA to Member Secretary.

DA/Advertisement

Signed by

Naveen Gulia

Date: 16-12-2024 15:44:56

**Sr. Environmental Engineer (HQ)
For Member Secretary**



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-0172-577870-73, Fax No. 2581201
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Notice for Public Hearing

It is for the information of all concerned that M/s Tirupati Earth & Project Work Pvt. Ltd. has proposed a project with respect to Environment Clearance of Proposed Sand Mining (Minor Mineral) from the Riverbed of Yamuna with 20,17,000 TPA production over an area of 51.15 Hectare located at Village Bega, Tehsil Ganaur, Sonipat, Haryana. The project proponent mentioned above has applied to the Haryana State Pollution Control Board for conducting the Public Hearing for obtaining Environmental Clearance as per EIA notification dated 14th September, 2006 for the proposed project. Accordingly, the Public Hearing for the above said project has been fixed on **29.01.2025 at 02.00 PM** at the site.

Copies of executive summary of the project report and EIA study report, submitted by the project proponent, are available in the Head Office of the Board as well as in the following offices, which can be perused during office hours, on any working day:-

1. Deputy Commissioner, Sonipat
2. Regional Officer, Sonipat, Plot. No. 1, Sector-15, Part-II, Sonipat.
3. Chairman Zila Parishad, Sonipat.
4. Commissioner, Municipal Corporation, Sonipat.
5. The Joint Director, District Industries Centre, Sonipat.

Notice is hereby given to all concerned to file suggestions, views, comments and objections, if any, on the above said proposed project, to the Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula as well as Regional Officer, Sonipat, Star Complex, Opp. G. Hospital, Delhi Road, Sonipat, within 30 days of the publication of this notice. Besides, a Public Hearing will also be held on the Date, Time & Venue mentioned above at the proposed site of the project, which can be attended by any person including Environmental Groups, bonafide residents and others, located at the project site/sites of displacement/sites likely to be affected. Oral/Written suggestions, if any can also be made during the Public Hearing.

No TA/DA will be admissible for attending the Public Hearing.

Pardeep Kumar, IAS
Member Secretary

EXECUTIVE SUMMARY

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1. PROJECT DESCRIPTION

The proposed project involves mining of mineral i.e. sand from the bed of river Yamuna, at a part of Village- Bega, Tehsil: Ganaur, District: Sonipat, State: Haryana from an auctioned area of 51.15 Ha. The Letter of Intent has been issued in favor of M/s Tirupati Earth & Project Works Private Limited, by the Director, Mines & Geology Department, Haryana vide Memo No. DMG/HY/Cont./Bega Sand Unit/SNP/2023/3698, dated 27.06.2023, for extraction of sand, for a period of 08 years.

The river bed sand is in high demand in the local market; it is used for basically construction purposes.

Table No. 1: Year wise development and production for first five years is tabulated below:

Year		Mineable area	Depth (3m Slice Depth)	Production (Saleable Quantity of Sand) tonnes/year
First	1 st	353800 m ²	3.0	20,17,000
Second	2 nd	353800 m ²	3.0	20,17,000
Third	3 rd	353800 m ²	3.0	20,17,000
Fourth	4 th	353800 m ²	3.0	20,17,000
Fifth	5 th	353800 m ²	3.0	20,17,000

From second year onwards, the extractable mining quantity will be on the basis of yearly replenishment reports.

The proposed mining project has been categorized as Category B1 project as per EIA Notification, 2006.

➤ Proponent & Address:

M/s Tirupati Earth & Project Works Pvt. Ltd.

3, Sadashiv Properties, Katras Road, Bank More, Dhanbad, Jharkhand-826001.

➤ Brief description of nature, size and location of the project:

Brief details of the project are described in the Table No.2 given below:

Table No. 2: Brief Details of the Project

S. No.	Particulars	Description		
A	Mining Lease & Location Details			
1.	Name of the Project	Sand Mining Project		
2.	Location			
a.	Villages	Bega		
b.	Tehsil	Ganaur		
c.	District	Sonipat		
d.	State	Haryana		
3.	Lease Area Coordinate	Pillar No.	Latitude	Longitude
		A1	29°10' 4.705"N	77°7' 47.090"E
		A2	29°9' 57.640"N	77°7' 52.853"E
		A3	29°9' 50.904"N	77°7' 56.999"E
		A4	29°9' 44.727"N	77°8' 1.964"E
		A5	29°9' 36.945"N	77°8' 4.713"E
		A6	29°9' 26.847"N	77°8' 5.862"E
		A7	29°9' 21.834"N	77°8' 5.574"E
		A8	29°9' 17.150"N	77°8' 8.706"E
		A9	29°9' 10.627"N	77°8' 14.587"E
		B1	29°10' 3.822"N	77°8' 0.021"E
		B2	29°9' 58.325"N	77°8' 3.630"E
		B3	29°9' 54.921"N	77°8' 6.790"E
		B4	29°9' 48.385"N	77°8' 11.766"E
		B5	29°9' 42.964"N	77°8' 16.022"E
	B6	29°9' 31.245"N	77°8' 14.490"E	
	B7	29°9' 19.482"N	77°8' 16.625"E	



		B8	29°9' 5.729"N	77°8' 23.259"E
4.	Lease Period of Mine	8 Years		
5.	Cost of the project	Rs. 3.89 Crores (Approximate)		
6.	Man Power Requirement	106 Nos.		
7.	Water Requirement & Source	10.0 KLD approx. for Drinking & Dust Suppression / Plantation & Source: Tankers (Necessary permission for Ground water extraction will be obtained from Haryana Water Resources Authority.)		
B	Environmental Settings			
8.	Elevation(RL)	Highest & lowest levels found in the area are of 227.0 m RL and 249.0 m amsl		
9.	Nearest National Highway /State Highway	NH-44 about 9.6 km in W direction		
10.	Nearest Railway Station	Sonipat Railway Station; 21 Km in SW direction		
11.	Nearest Airport	Indira Gandhi International Airport about 88 Km in S direction		
12.	Ecological Sensitive Areas (Wildlife Sanctuaries)	None		
13.	Reserved/Projected Forests	None		
14.	Nearest Village/Town/City	Budapur, 2.25 Km in W direction		
15.	Nearest River	Yamuna River		
16.	Seismic Zone	Zone IV		

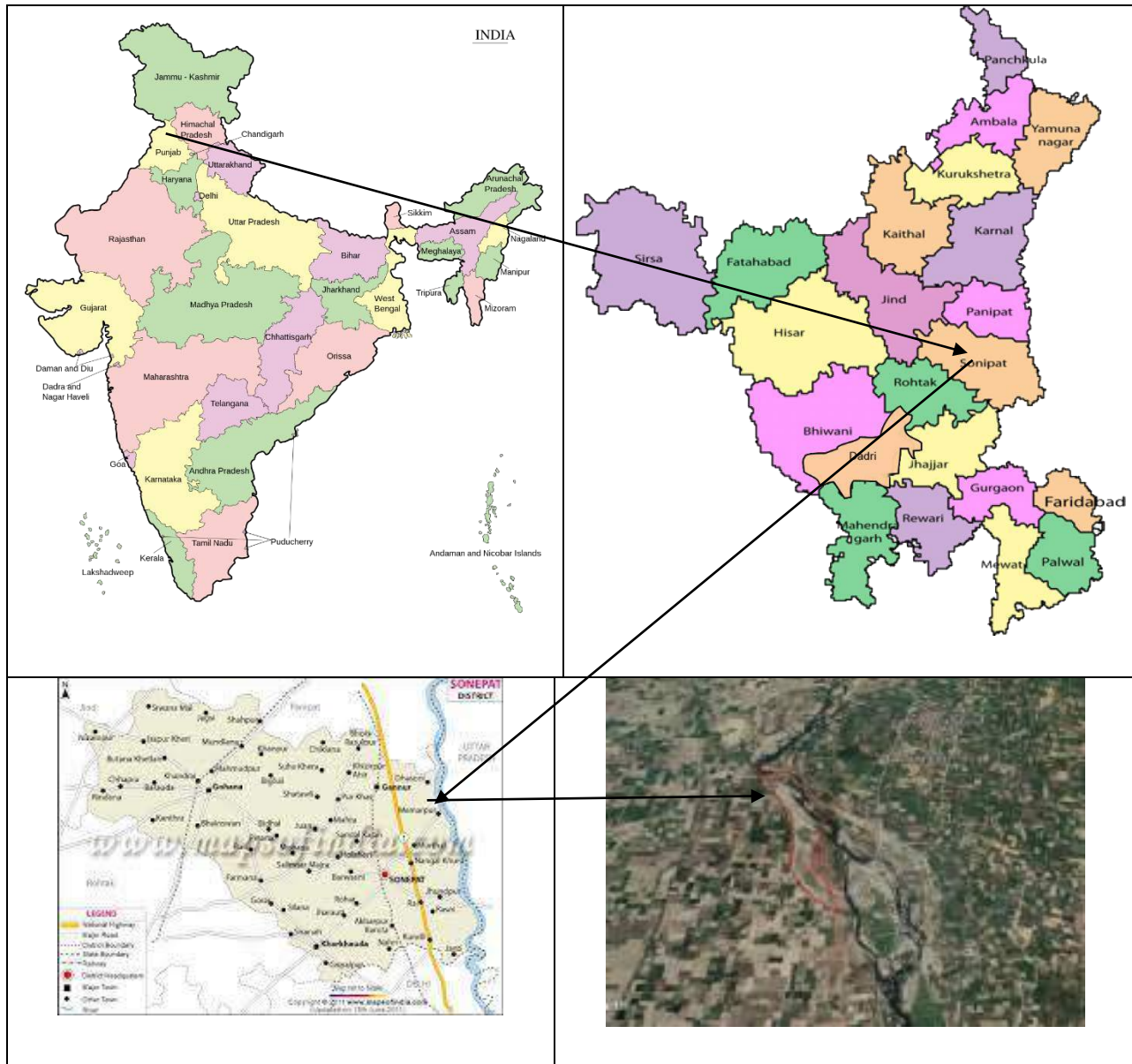


Figure No.1: Project Location

➤ STATUS OF REGULATORY CLEARANCES OF THE PROJECT

The Mining plan has been approved by Director, Mines and Geology, Haryana Vide Memo No. DMG/HY/MP/Bega Sand Unit/SNP/2024/1622 dated 03.04.2024, Panchkula. There is no National

➤ **METHOD OF MINING**

The mining proposed by opencast semi- mechanized method without drilling and blasting. It will start from one end (higher level) to other end (lower level) phase wise/ bench wise going to the maximum depth of 3.0 mbgl or above ground water level whichever is less. The minor mineral i.e. sand is proposed to be excavated by semi-mechanized method and directly loading in to trucks/dumpers & dispatch to market. The loading of the mineral shall be mechanical while transport of mineral from river bed shall be done by private trucks/ dumper operators. The mining plan has been prepared for first five years. River bed mining is for extracting sand from River bed. Total lease area is replenishable yearly. After each workable year, a longitudinal wall of about 1 m may be raised and repaired thereafter, on the river bank side to check toe erosion, an environmental hazardous phenomenon induced by the heavy floods during monsoon season. Mineral extraction will be done for a period of about 270 days in a year.

2. DESCRIPTION OF THE ENVIRONMENT

The entire proposed mine lease area is considered as core zone. The surrounding area covering 10 km radius from the periphery of the core zone is considered as buffer zone. The study area covers 10 km radius of the Sand Mining Project located at Village- Bega, Tehsil: Ganaur, District: Sonipat, State: Haryana.

The climate of the district is characterized by the dryness of the air with an intensely hot summer and a cold winter. The year may be divided in to four seasons. The cold season starts by late November and extends to the middle of March. It is followed by hot season which continues to the end of June when the southwest monsoon arrives over the district. July to September is the southwest monsoon season. The post monsoon season period is from October to December.

The base-line data has been collected from October to December 2023 and additional one month study from mid of February to mid of March 2024 has also been conducted at the project site and other monitoring stations selected within 10 km buffer zone for prominent environmental attributes like Ambient Air Quality, Ambient Noise Level,



The base-line data has been collected from October to December 2023 and additional one month study from mid of February to mid of March 2024 has also been conducted at the project site and other monitoring stations selected within 10 km buffer zone for prominent environmental attributes like Ambient Air Quality, Ambient Noise Level, Water quality and Soil profile. In order to get an idea about the existing state of the environment, various environmental attributes such as meteorology, air quality, water quality, soil quality, noise level, ecology and socio-economic environment have been studied/monitored.

3. ANTICIPATED ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

Based on the Baseline Environment, environmental impacts of the mining activity on the surrounding environmental parameters are described in following sub-sections.

3.1 Impact on Land Use Pattern and Mitigation Measures

Sand mining activities result in surface degradation due to road network and river bank erosion. But by adopting the following mitigation measures, the impact will be minimized:

- Road will be maintained in good condition by using local earth material.
- Regular levelling of transportation route.
- Sand mining will create temporary activity in the dry river bed, which will be replenished during monsoon.
- The mining will not be carried out below the river water level.

3.2 Impact on Air Quality and Mitigation Measures

In mining operations, loading, and transportation operations may cause deterioration in air quality. Semi mechanized mining method shall be adopted for the mining of sand and following mitigation measures will be implemented:

- Loaded vehicles will be covered with tarpaulin.
- PUC certified vehicles will be used.
- Overloading will be avoided.
- Plantation will be carried out along the approach road and vicinity area.
- Periodic air quality monitoring will be done and adequate measures will be done.

3.3 Impact of Noise Levels and Mitigation Measures

Noise level will increase due to transportation. To minimize the impact of noise, following mitigation measures will be adopted:

- Proper maintenance of vehicles will be done on regular basis.
- Necessary Personnel protective equipment will be provided to the workers.
- Adequate silencers will be provided in all the diesel engines of vehicles.
- Minimum use of horns and speed limit of 10km/hr in the village area.
- Plantation will be carried out along the approach road and vicinity area.

3.4 Impact on Water Resources and Mitigation Measures

No waste water is generated from the mining activity of minor mineral. However, following mitigation measures will be adopted:

Surface Water Resources

- There is a possibility of mixing of freshly disturbed material with the rain water. To take care of such happenings, retaining walls will be provided along the backfilled pits which will be used as a water reservoir for rain water.
- Monitoring of water will be carried out periodically. Water analysis will be carried out seasonally.

Groundwater Resources

- Regular monitoring of water levels and quality in the existing open wells and bore wells in the vicinity will be carried out. If found necessary, additional observation wells will be sunk for monitoring the water levels and quality around the mine representing both upstream and downstream conditions. In addition to this, following mitigation measures will also be adopted:
- River streams will not be diverted to form inactive channels.
- Groundwater will not be intersected during mining activities.
- Mobile toilets will be made available near mine's office away from the river.

- Washing of vehicles in the river will be prohibited.

3.5 Impact on Biological Environment and Mitigation Measures

Ecological impact on aquatic life, flora and fauna and surrounding habitat due to fugitive emission.

Following mitigation measures will be adopted:

Flora

- Pollutant like dust, gaseous emanations will be minimized at the generation point itself and adequate measures will be taken to prevent their impact on environment.
- There is no forest in the core zone of mining lease area. So, there will be no deforestation due to mining.
- The mining lease area is devoid of vegetation. So, the greenery to be developed under green belt development programme in the village panchayat land and along the approach road will improve the floral environment of the area.

Fauna

- No mining will be carried out during the monsoon season to minimize impact on aquatic life which is mainly breeding season.
- The lease area is not inhabited by any wild life, as there is no forest cover, hence there will not be any effect on migration or extinction of wildlife.

3.6 Socio-Economic Profile

The social demographic profile of the area is not likely to be much affected, as there is no displacement of people due to the project. The mining in the area will create rural employment. The mining activity in the region will have positive impact on the social economic condition of the area by providing employment to the local inhabitants; wages paid will increase the per capita income.

4. ENVIRONMENTAL MONITORING PROGRAMME

Table No. 3:-Following table depicts the monitoring schedule for environmental parameters

S.No.	Particulars	Parameters for Monitoring	Duration of Station	Monitoring Frequencies	Location
1	Air Emission	PM10, PM2.5, SO2, NOX and CO	24 hr	Twice in a week	One location inside and One outside
2	Noise	Spot Noise level recording Leq (day), Leq (night), Leq (dn)	8 hr	Once in a month (Day/ Night)	One location inside and One outside
3	Surface & Ground Water	Physical, Chemical	Grab	Quarterly	One location Surface water and One Location Ground Water
4	Soil Sampling	Physico - chemical parameters and metals	Grab	Twice in a year	One location inside and One outside

5. ADDITIONAL STUDIES

➤ Risk Assessment

The complete mining operation will be carried out under the management control and direction of a qualified mine manager holding Mines Manager's Certificate of Competency. Moreover, mining staff will be sent to refresher courses from time to time to keep them updated.

➤ Disaster Management Plan

Emergency preparedness is an important aspect in the planning of Disaster Management.

Personnel would be trained suitably and prepared mentally and physically in emergency response through carefully planned, simulated procedures. Similarly, the key personnel and essential personnel shall be trained in the operations.

➤ **Public Hearing**

As per Terms of Reference (TOR) received from SEIAA, Haryana vide File No. SEAC/HR/2024/102 dated 30.08.2024, under EIA Notification of the MoEF dated 14-9-2006, as amended from time to time, public hearing will be conducted.

6. PROJECT BENEFITS

The impact on the civic amenities will be substantial after the commencement of mining activities. Medical facilities will be provided in the form of first-aid facility at the mine. These medical facilities will also be available to local people in the surrounding in case of emergencies.

- Generation of employment and improved standard of living;
- Increased revenue to the State by way of royalty, taxes and duties; and
- Superior communication and transport facilities etc.

The employment of local people in primary and secondary sectors of project will upgrade the prosperity of the region.

7. ENVIRONMENT MANAGEMENT PLAN

The summary of environmental management plan is given below in Table No.4:

S.No.	Parameter	EMP
1	Land Environment	Bank protection and restoration will be ensured.
2	Air Environment	<ul style="list-style-type: none">• Water spraying will be done for dust suppression.• Trucks will be covered with tarpaulin to stop dust emission.• PUC Certified Trucks will be deployed for transportation.
3	Water Environment	Mining will not interfere with the ground water table.
4	Noise Environment	<ul style="list-style-type: none">• Minimum use of Horns near the village area.• Use of loud sound systems in transport vehicles will be prohibited.

5	Biological Environment	Awareness program will be conducted for labours to sensitize them about importance of biological environment
6	Health & Safety	<ul style="list-style-type: none">• Labours will be made aware of the ways of working and safety measures.• Medical facilities & first aid boxes along with anti-venom will be provided in the mine premises.• Health Awareness Programmes and camps shall be arranged for local villagers.

