

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ODISHA HELD ON 11th SEPTEMBER, 2020**

The SEAC met on 11th September, 2020 at 11:00 AM through video conferencing in Google Meet under the Chairmanship of Sri. B. P Singh. The following members were present in the meeting.

1. Sri. B. P. Singh	-	Chairman
2. Prof (Dr.) H. B. Sahu	-	Member
3. Dr. D. Swain	-	Member
4. Prof. (Dr.) P.K. Mohanty	-	Member
5. Sri. J. K. Mahapatra	-	Member
6. Sri. K. R. Acharya	-	Member
7. Prof.(Dr.) B.K. Satpathy	-	Member
8. Dr. Sailabala Padhi	-	Member
9. Dr. K.C.S Panigrahi	-	Member

The agenda-wise proceedings and recommendations of the committee are detailed below.

ITEM NO. 01

PROPOSAL OF ENVIRONMENTAL CLEARANCE OF CHHEND HERITAGE HOMES PVT. LTD. FOR STORIED A.H.P RESIDENTIAL APARTMENT BUILDING OVER AN AREA 3.30 ACRES IN KHATA NO. 9 & PLOT NO. 289/432 (P), 288 (P), 280(P), 292 (P), 291 (P), AT MOUZA- CHHEND, R.T.U-3, P.S. CHEND, TAHASIL- ROURKELA, SUNDERGARH. OF SRI ALOK SHARMA (DIRECTOR) - EC

1. This is a proposal for Environmental Clearance of Chhend Heritage Homes Pvt. Ltd. for storied A.H.P Residential Apartment Building over an area 3.30 acres in Khata No. 9 & Plot No. 289/432 (P), 288 (p), 280(P), 292 (P), 291 (P), at Mouza- Chhend, R.T.U-3, P.S. Chend, Tahasil- Rourkela, Sundergarh. of Sri Alok Sharma (Director). With total built-up area will be 20407.0974 Sq.mt.
2. The project falls under Category "B", Project or Activity 8 (a) as per schedule of EIA Notification dated 14th Sep, 2006, as amended from time to time.
3. The proposed project is for construction of affordable housing blocks under "Housing for All" schemes for economically weaker section at Plot No. 289/432 (P), 288 (p), 280(P), 292 (P), 291 (P), Khata No. 9, Mouza- Chhend, R.T.U-3, P.S. Chhend, Tahasil- Rourkela, Sundergarh Odisha over an area of 3.30Acres (13354.62 Sq.mts) through Public Private Partnership (PPP) mode and will be implemented by M/s Chhend Heritage Homes Private Limited and Rourkela Development Authority (RDA).
4. A total area of 5.05 Acres (Project area) is divided into Affordable Housing Area (AHA) of 3.30 acres on which Affordable Housing Project (AHP) will be undertaken and Developer's Area (DA) of 1.75 acres on which Private Development Project (PDP) will be undertaken. The application for Environment clearance is made for construction of 500 units in 4 blocks of G+3 storied building for EWS, commercial area, primary school and primary health centre and community hall.
5. The project site is located in Survey of India Toposheet No. 73B/16. Nearest Railway station is Panposh Railway station at a distance of 1.5 Km from the project site. The nearest road is Rourkela Ring road, Chhend main Road & Panposh Road at a distance of

1.5Km, 0.3Km & 1.5Km respectively. The site is well connected to NH-23 at a distance of 1.7Km. Nearest airport is Rourkela airport at a distance of 1.7Km from the project site. The nearest river is Brahmani River & Koel River located at a distance of 1.3 Km & 2.0 Km respectively. Rourkela Steel Plant & Rourkela industrialship located at a distance of 4.5 Km & 2.5Km respectively.

6. Total land area of the project is 13354.62 Sq.m (3.3 Acres). Total Built Up Area: 20407.0974 Sq.m. Maximum height of the building is 13.05m.
7. The Detailed Area Statement of the project is mentioned in the table:

SI. NO.	PARTICULARS	AREA
1.	Total Site Area	3.3 Ac.
2.	Total Built up Area	20407.0974 m ²
3.	Ground floor coverage area	40.94%
4.	Total open space (Green Area)	2051.40 Sq.mt (15%)
5.	Service area	30. Sq.mt
6.	Parking area	2539.2311 Sq.mt.
7.	Area for Internal Roads	1268.33 Sq.mt.
8.	Area of STP & Sewerage	1747.77 Sq.mt.
9.	FAR (with respect to AHP Area of 3.30Acre)	1.486
10.	Area of Solid Waste management (location of waste bin)	provided in the main Entry and Exit point and also provided along the entry path to the four blocks
11.	No. of Trees provided	170
12.	Maximum height of the building	13.05 m

8. **Total Water Requirement:** Total amount of water requirement will be 310KLD out of which fresh water requirement will be 260 KLD & it will be made by PHD, Rourkela and 50 KLD of the water will be used for gardening purpose. There is the proposal for construction of 210 KLD STP for treatment of waste water from the project based on MBBR technology.
9. **Power Requirement:** 1000 KW which will be sourced from CESU. Solar Power will contribute 5% of total power demand i.e.50KW.
10. **Solid Waste generation:** Total 1000 kg/day amount of solid waste will be generated which will be disposed through Rourkela Municipal Corporation. (RMC).The permission has been obtained by RDA for collection of solid waste from Rourkela Municipal Corporation.
11. Rain Water will be harvested is 614.7 cum through 31 no. of recharging pits.
12. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
13. **Parking space** is 2539.2311 Sq.mt has been provided.
14. The total **green area** provided for the project is around 2051 Sq.m (15% of total plot area). Around 170nos of trees plantation will be made in the open space, road side and garden areas.
15. The total estimated population of the project (office, retail area, residential area) will be 2500 persons.

16. The project cost is ₹ 31 Crores.

17. The Environment consultant **M/s Kalyani Laboratories (Pvt) Ltd. Pahala, Bhubaneswar** along with the proponent has made a briefing on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by site visit of SEAC Sub-Committee.

- (i) Drainage layout showing waste water drainage system and storm water drains and surface drains connecting the existing municipal drain.
- (ii) Land schedule and kissam of land.
- (iii) DLC report from DFO regarding status of land.
- (iv) ECS is to be submitted in terms of two wheeler.
- (v) Details of solar energy will be used in project
- (vi) Break up % of total green belt (landscape and trees) and where the plantation will occur. Possibility to increase the green belt coverage to be confirmed. Number of trees/plants and types to be submitted.
- (vii) Layout showing location of rain harvesting recharging pits.
- (viii) Layout showing the drain (waste water of the proposed project connecting to municipality drain and letter from RDA/municipality that their existing drain infrastructure can take the additional load of the proposed project.
- (ix) Details of treatment of waste water and disposal thereof at the end of the downstream by RDA/municipality with letter from Municipality authority to take the load of treated waste water and storm water discharge.
- (x) For conservation of water dual plumbing is inevitable. So need to confirm to provide dual plumbing arrangement so that part of waste water can be reused in flushing etc. and rest for plantation and balance to municipality drain if unavoidable.

ITEM NO. 02

PROPOSAL OF ENVIRONMENTAL CLEARANCE FOR KAKUDI AND KISHORIPAL SAND MINES OVER AN AREA 41.885 HA. IN VILLAGE-KAKUDI AND KISHORIPAL, UNDER TAHASIL-TALCHER, DIST-ANGUL OF M/S. MAHANADI COALFIELDS LIMITED (MCL) - EC

1. This is a proposal for Environmental Clearance for Kakudi and Kishoripal Sand Mines over an area 41.885 Ha. in village-Kakudi and Kishoripal, under Tahasil-Talcher, Dist-Angul of M/s. Mahanadi Coalfields Limited (MCL).
2. Kakudi/ Kishoripal Sand Mine is an existing sand mine project located in the river bed of Brahmani at village Kakudi and Kishoripal, Angul district, Odisha. The sand from this mine was mined between 1991-92 to 2003-04. This sand mine has leasehold area of 41.885 Ha & existing annual production capacity of 0.25 Million M3 per annum.
3. TOR granted from MoEF & CC, New Delhi vide No.J-11015/33/2015-IA.II(M) on 17.04.2015
4. The sand mining lease had been granted by Govt. of Odisha from 14.11.1990 to 14.11.2010, afterwards it was extended upto 31.03.2020 and now it has been further extended upto 13.11.2040.

5. Mining Plan had been approved by Ministry of Coal vide letter no.34012/(4)/2011-CPAM, dt: 21.08.2013.
6. The sand from this mine is required for stabilization purpose at one operating mine i.e. Nandira Colliery and three discontinued mines viz. Deulbera, Handidhua and Talcher collieries.
7. As per the directives of DGMS, stabilization to be done at identified underground workings of Deulbera & Handidhua Colliery at the earliest for ensuring the safety of Talcher town as a whole.
8. The mining lease area is located in Village - Kakudi and Kishoripal in the Tahasil of Talcher, Dist. Angul, Odisha bearing Plot No. 949(P), 948(P) & 947(P), Khata No.70 in village Kakudi and Plot No.927(P) & 928(P) , Khata No. 120 in village Kishoripal. NH-149 passes through Talcher town at a distance of about 2.5 km & connects to NH-55.Talcher railway station on branch line of East Coast Railway at a distance of about 5.5 km.
9. The total Mining Lease Area of the project is 41.885 Ha, out of which only 19.07 Ha will be used for mining, rest of the area will left for protection and sand barrier. The annual production of the project is 0.25Mm³/year. Geological Reserve is 0.846Mm³. And Mineable Reserve is 0.35 Mm³. Life of mine is 20 years.
10. Mining will be carried out in Strip Mining by Mechanical winning of sand by hydraulic excavator (Back-hoe shovel) loading onto tipping truck & transport. For transport of sand to mines, temporary roads / cause ways have been envisaged inside the river bed. A 50m sand barrier against river bank will be left un-mined for protection of the bank.
11. Baseline data generation was during Nov'15 to Feb'16.
12. Public Hearing conducted by OSPCB on Dt: 20.12.2016.
13. Water Requirement – 102.93KLD of water shall be required for domestic and mining activities. Treated water from Deulbera/ Handidhua mines will be used for dust suppression. Wastewater generated from transportation vehicles will be treated in ETP of nearby adjacent mines and the estimated quantity of wastewater generation is 53.22 KLD.
14. Employment Potential: Total number of employee will be around 92 which includes skilled, semi-skilled & unskilled category in the mine.
15. The project cost is 747.74 lakhs. Funds for Environment Management : ₹ 22.0 Lakhs (Capital)
16. The Environment consultant **M/s Central Mine Planning & Design Institute Ltd., Ranchi – 834 031, Jharkhand** along with the proponent have made a detailed presentation on the proposal before the Committee.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Central Mine Planning & Design Institute Ltd., Ranchi – 834 031, Jharkhand** the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by a site visit of SEAC Sub-Committee.

- (i) One season fresh baseline data to be submitted as the data so collected is more than 3 years old.
- (ii) Mitigation measures to reduce fluoride content in surface water and ground water.
- (iii) Minutes of public hearing to be submitted.
- (iv) Details of CSR & CER activities covered under proposed sand quarry.

- (v) Details of plantation to be done alongside haulage road and river embankment and details of planation done in last ten years year wise with survival rate and the plants/trees available at present with location, type and age.
- (vi) Location of sampling points undertaken to be shown in map.
- (vii) Certificate from concerned Tahasildar about the geo coordinates and distance of the Bridge from the boundary of the lease area and other mines located within 500 meter from the periphery of the lease boundary.
- (viii) Techno economic feasibility study for sand transportation in slurry form through pipes be made and submitted as a long term measure to avoid air pollution due to trucks, dumpers etc. movements. The possibility of slurry transportation to a common point may also be studied so that users may carry further by dumpers.
- (ix) Any bridge or structure near to the sand mining area. If so, details to be given.
- (x) Any electric HT line inside and within 500 meter of lease area if existing be indicated.
- (xi) Operation time/movement time of vehicles carrying sand and empty vehicles including types of vehicles , no. of vehicles to be engaged and the frequency of movements be submitted.
- (xii) Traffic study and management at haulage road, roads passing through villages and junction of public road (20% as stated by the proponent including internal roads of MCL with decongestion plans and measures through an expert of repute.
- (xiii) Distance of lease boundary from nearby habitation duly certified by the Tahasildar.

ITEM NO. 03

PROPOSAL OF ENVIRONMENTAL CLEARANCE FOR ANJIRA STONE QUARRY BSQ NO-1 OVER AREA 45.50 ACRES OR 18.41 HA. AT VILLAGE- ANJIRA, TAHASIL - DHARMASALA, DISTRICT- JAJPUR - SUBMITTED UNDER CLUSTER - FINAL EIA/EMP REPORT OF SRI TAPAN KUMAR NAYAK - EC

1. This is a proposal for Environmental Clearance of Anjira stone quarry BSQ No-1 over area 45.50 acres or 18.41 Ha. at Village- Anjira, Tahasil - Dharmasala, District- Jajpur.
2. Anjira Stone Quarry Mining Project is a proposed project of Shri Tapan Kumar Nayak. located at Plot no. 332/516(P),673/845(P),1343/845(P) & 3597/845(P), BSQ No. 1, Village Anjira, Tehsil Dharmasala, Distrct Jajpur (Odisha) over an area of 18.41 ha.in Khata No. -1729.
3. The proposed area has been intended in favour of Sri Tapan Kumar Nayak, Umapada, Post & Dist- Jajpur (Odisha) for the period from 2017-2018 to 2021-2022 vide letter no. 2258 on dated 28.04.2017 issued by Tahsildar, Dharmasala. Total lease area is 45.50 Acres (18.41 ha), which is Govt. hills land (Parbata - 1 kism).
4. As per EIA Notification dated 14.09.06 and its subsequent amendments S.O.141 (E) on dated 15.1.2016, the project falls under, Category "B1".There are seven other existing Stone mining projects located within 500 meters from the periphery of the lease area. Thus, the total area within 500 m periphery is becoming 91.0 Acres (36.82 ha.)
5. The SEAC, Odisha prescribed ToR vide letter no. 500/SEAC-139 Dated-19.06.2018
6. Total mining lease area of 18.41 ha is Government Hill Land, NOC from DFO, Dharmasala obtained vide letter no. 281 on dated 24.01.2018. The area does not fall in forest land or wild life sanctuary or agricultural land.

7. There are 7 surrounding mines located within 500m radius of lease area confirming to cluster situation with total area of 36.82 Ha and EIA/EMP study carried out taking into consideration of cluster.
8. The Mining Plan with Progressive Mine Closure Plan has been approved by the Deputy Director Mines, Jajpur Memo No. 1495 dated 01.08.2017.
9. Competent authority of Revenue Department (Revenue Inspector, Balrampur-II) has demarcated allotted lease area over 45.50 Acres (18.41 Ha) and the total mining lease area is Government hills Land.
10. Connectivity – The lease area is located in village - Anjira, Tahasil - Dharmasala, District- Jajpur, Odisha bearing Plot no. 332/516(P), 673/845(P), 1343/845(P) & 3597/845(P), present in survey of India toposheet no. 73L/1 & 73 H/13 & between latitude of 20°50'22.72" N to 20°50'39.09" & Longitude: 86°01'46.71" E to 86°02'15.50" E. The lease area is connected by NH-200 & NH 5 which are at a distance of 100m and 11km away. Nearest railway station is Jenapur railway station at 1.6 Km, Nearest Airport is Biju Patnaik International Airport, Bhubaneswar at a distance of 60km. Nearest town is Jajpur. Nearest Reserve forest is Nischinta RF - 5.0 Km & Balipashi RF - 7.0 Km. Kapilash sanctuary at 15km away. There is no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, site within 10 km radius of the mine lease area. Nearest river is Brahmani at 3km away. Nearest habitation is Anjira at 1km away.
11. The total mineable reserve is 22,76,425 tonnes & the production capacity of the proposed project is 29,200 m³, thus the life of mine is 78 years. At the end of mining plan period, total mined out area will be 1.076 ha.
12. The method of mining is proposed to opencast semimechanised method with drilling and blasting. Water required for the project will be 21.14 KLD. 1.22 Drinking water procured from the existing sources like tube well by tankers of Village- Anjira. Water for dust suppression and green belt will be sourced from rain water stored in the mining pit. No Ground water Abstraction for the mining. Water sprinkling on mining quarry, dumping area and haul road during dry wind periods, using a water tanker.
13. During the plan period there is the proposal for plantation of about 2430 sapling over an area of 6 Ha and during conceptual period 6.00 Ha of the land will be covered under plantation with about 2430 saplings.
14. Baseline studies were carried out in the study area (10 km radius) during the Post Monsoon Season from Oct 2017 to Dec 2017. The samples were collected from 8 different locations for ambient air quality; Soil Quality and noise monitoring and 5 different locations for surface water quality; ground water quality.
15. Public hearing was conducted on 29.12.2018 at 11:00 AM at Dharmasala Bhawan near Dharmasala Block of Jajpur.
16. The total cost of the project is ₹ 1.0 Crore and the cost towards EMP for environmental protection and safety measure is proposed 1.50 Lakhs per annum. Capital Cost: ₹ 85.0 Lac/Annum and Recurring Cost: ₹ 15.0 Lac/Annum
17. The project proponent along with the consultant **M/s Kalyani Laboratories (Pvt.) Ltd. Pahala, Bhubaneswar** made a detailed presentation on the proposal.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Kalyani Laboratories (Pvt.) Ltd. Pahala, Bhubaneswar**, the SEAC decided to take decision on the proposal after receipt of the following from the proponent:

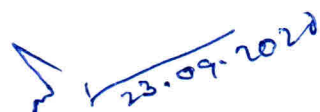
- (i) Environmental Clearance status and legal status of seven mines present within 500 m from the periphery of the lease boundary. And if earlier EC granted, half yearly condition wise compliance Report on Environmental Clearance conditions submitted to MoEF&CC, Regional Office, Bhubaneswar duly certified by the letter to be submitted.
- (ii) Budget towards Environmental Management Plan is low.
- (iii) Details of Waste management and haulage road management & maintenance perpetual and perennial.
- (iv) Year wise quantity of waste generation and its storage plan with details of site plan and area.
- (v) Mitigation measures taken to reduce fluoride content in water and fresh analysis report is to be submitted.
- (vi) Details CSR activities covered under cluster approach.
- (vii) Plantation of trees within first year in safety zone to prevent air pollution.
- (viii) Point wise commitment made on the issues raised by the public during the public hearing.
- (ix) Traffic study and management with mitigation measures for decongestion by an expert of repute at intersection with public road be submitted.
- (x) Storm and surface runoff water management during monsoon be submitted.
- (xi) Post mining plans.
- (xii) Distance of lease boundary from nearby habitation duly certified by the Tahasildar.

ITEM NO. 04

PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR BASENPALI STONE QUARRY OVER AN AREA OF 5.56 HA. /13.75ACRES IN VILLAGE BASENPALI, UNDER TAHASIL - LAKHANPUR OF DISTRICT - JHARSUGUDA OF M/S SHREE RADHARAMAN STONE CRUSHER PVT. LTD. – TOR

The proposal was deferred to next SEAC meeting as project proponent did not attend the meeting.

Secretary, SEAC


Chairman , SEAC

Proceedings of the SEAC meeting held on 11.09.2020


Nodal Officer, SEAC