

Minutes of 21st meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 15th-16th April, 2019 at Conference Hall (Brahmaputra), First Floor, Vayu Wing, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003

Day 1: Monday, 15th April, 2019

Time: 10:00 AM

21.1. Opening remarks of the Chairman

21.2. Confirmation of the minutes of the 20th meeting held on 28th-29th March, 2019 at Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

21.2.1: Under para no. 20.4.3.6 (Sixth line) may be read as: the net profit is Rs. 786.25 lakhs. During the violation period, the savings accrued during that period on account of EMP cost shall be reckoned as benefit derived by the PP for the period. Hence....

21.2.2: Under para no. 20.3.3.4 at page no. 19 (M/s Indian Oil Corporation Limited): Specific condition No. VII shall be deleted.

21.3. Consideration of proposals

S. No.	Proposals
21.3.1	Expansion of Shahabad (Bankur) Limestone mining capacity from 0.864 MTPA to 6.2 MTPA (ML Area 328.34 Ha) at Village Bankur, Tehsil Chitapur, District Gulbarga(Karnataka) by M/s Jaypee Cement Corporation Limited - Further consideration for Terms of Reference [IA/KA/MIN/66856/2017 dated 27.07.2017] [F. No. 23-175/2018-IA.III (V)]
21.3.1.1	M/s Jaypee Cement Corporation Limited has made online application vide proposal no. IA/KA/MIN/66856/2017 dated 27.07.2017 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under ‘A’ category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.
21.3.1.2	<p>Details of the project as per the submission of project proponent:</p> <p>Project Description The Proposal of M/s Jaypee Cement Corporation Limited is for mining of Limestone from Shahabad (Bankur) Limestone Mine for expansion from 0.864 MTPA to 6.20 MTPA [including 6.20 MTPA Limestone and 0.04 MTPA Top Soil] from mining lease area (328.34Ha) located at Villages Bankur, Tehsil Chitapur, District Gulbarga, State Karnataka by M/s Jaypee Cement Corporation Limited.</p> <p>2. Project Background The proposal of M/s Jaypee Cement Corporation Limited is for production of Million Tonne per annum (MTPA) of Limestone from Shahabad (Bankur) Limestone Mine (ML Area 328.34 Ha at Survey Nos. 12, 118 to124, 129 to 131, 133 to 143, 145 to 147, 220 to 223, 226 to 234, 248, 250, 252 to 256, 266, 267, 269, 275 at Village Bankur, Tehsil Chitapur, District Gulbarga, State Karnataka. The mining lease is located on Survey of India Topo-sheet no.56 C/16, G/4. The area is bounded between the coordinates Latitude 17^o09’52.5” N to N 17^o11’08.10”N and Longitude 76^o57’10.30” E to E 76^o58’51.20”E</p> <p>3. Category of the Project (Refer cluster certificate if applicable)</p>

The said project/activity is covered under category A of item 1a of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee .

4. Violation Details & Sectorial EAC/SEAC Comments:

Violation Details:

Application submitted under the provision of MoEF&CC gazette notification S.O.804 (E) dated 14th March, 2017 due to violation in operation of mine during its revival post award of project ordered by Debt Recovery Tribunal (DRT)-III, Kolkata passed vide Ref. No. 26 dated 28/11/2006, during the Year 2007-08 without requisite prior Environmental Clearance as per the provision of the EIA Notification, 2006 notified under Environment (Protection) Act, 1986.

Sectorial EAC/SEAC Comments :

- Project was considered for Environmental Clearance at EAC, MoEF meeting held on 24th-26th, November, 2010. Hon'ble EAC had sought additional information/clarifications. Subsequently received letter from MoEF for submission of information vide its letter No. J-11011/387/2008-IA.II (M) dated 27th December, 2010. Additional information/clarifications were submitted vide our letter ref.No. ZCPL/MOEF/TPP/KARNATAKA/2011 dtd 11.02.2011.
- Case was re-considered before EAC, MoEF meeting held on 23th-25th March, 2011 and deferred for want of requisite details.
- Based on submission, the project was considered for Environmental Clearance at 14th EAC, MoEF meeting held on 25th-27th April, 2011.
- MoEF vide letter no.J-11015/387/2008-IA.II(M) dated 13th March, 2012, informed that Public Hearing Conducted on 17.12.2009 is not valid as per EIA Notification 2006 as it was presided by a district officer of a rank lower than required as per EIA Notification, 2006 and advised to prepare fresh Draft Report after collecting one season Baseline data and conduct Public Hearing. Final EIA Report was re-submitted to MoEF vide letter ref. No. JCCL/ZCPL/MoEF/TPP/Karnatka/2012 dtd. 10.12.2012.
- Project considered for Environmental Clearance at EAC, MoEF meeting held on 13th March, 2013, during presentation, EAC observed that the mine was operated during the year 2007-08 without requisite Environmental Clearance and considered it as a violation of the Environmental (Protection) Act 1986. (The company had declared production figures from the subject Mine during the period in question in EIA report)
- The **Expert Appraisal Committee recommended the project for grant of Environmental Clearance[reference MOM]** subject to credible action taken by the State Authorities. As per the directions and in line with the procedures laid down by MOEF, JCCL had submitted required documents and Certified Copy of the Resolution passed by the Board of Directors of Jaypee Cement Corporation Ltd. by Circulation on 18th April 2013.

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/KA/MIN/66856/2017 dated 27th July, 2017 under violation category for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR . The proposed

project activity is covered under 'Schedule 1 (a) of EIA Notification, 2006 and is a category 'A'.

6. Details of Minerals:

Number of minerals. Limestone (Major).

7. Letter of Intent (LoI)/Mining Lease Details:

- a. The assets & liabilities of the Cement Plant and its captive Mine at the subject location were transferred to Zavar Cement (P) Ltd. (ZCPL) through an Order of Debt Recovery Tribunal (DRT)-III, Kolkata, passed vide Ref. No. 26 dated 28/11/2006. The possession of the factory premises and the Mines at Shahabad was taken by ZCPL, against a payment of Rs. 8.8 crores. Since, there was no formal handing over of assets and documentation by the previous owners and possession was given to the new owners through Tribunal Order only.
- b. The original Mine Lease documents are not available. The Shahabad (Bankur Mine, ML No. 2092) Limestone Mine lease renewal was sanctioned to M/s. Associated Cement Companies Ltd. (ACC) for a period of 10 Years with effect from 01.10.1985 vide Notification No.CI 249 MMN 85 Dt. 07.02.1989 of Govt. of Karnataka.
- c. The mine lease was renewed for a period of ten years from 1985 to 1995. The Mining Lease Deed was executed on 31.7.1989 between the Govt. of Karnataka on one part and Lessee (ACC) on the other part. The said Mining Lease No. 2092 has been registered under Sl.No.808 of 89-90 of Book No.1 on 30.8.1989 with the Sub Registrar of Assurances, ChittapurTq. Dist. Gulbarga.
- d. ZCPL [Now, Jaypee Cement Corporation Ltd.(JCCL)] had submitted application for renewal of ML-2092 for 20 years in favour of ZCPL vide letter Nos. ZCPL/SH/MINES/11/1 dated 11.01.2007 in pursuance of order No. 26 dt. 28.11.2006 passed by Hon'ble Debt Recovery Tribunal.
- e. The Secretary to Govt. (Mines, SSI &Textiles), Commerce & Industries Department Bangalore vide its letter dated 30.03.2007 had directed to the Commissioner for Mines & Geological Resources Development & Director of Mines Geology, Bangalore to restore the ML-2092 in favour of ZCPL. Accordingly, the mining lease was restored on 18th April 2007 by the Director, Mines & Geology, Karnataka w.e.f. 01.10.1995 in favour of M/s. ZCPL, on the order of DRT.
- f. Further, Department of Mines & Geology, Govt. of Karnataka processed the lease renewal application in favour of ZCPL and issued a letter vide ref. No. MINES & GEOLOGY/29(A)AML-07/6357 / RML/2092/6357 dated 24/31.07.2008, advising ZCPL to take Environmental Clearance from MoEF for the Mine Project.
- g. JCCL has received the letter issued from the office of Secretary to Govt. (MSME & Mines), Commerce & Industries Department, Bangaluru to the Director, Deptt. of Mines & Geology, Bangaluru vide its letter ref. No. CI 19 CMC 2018 dtd. 27.02.2019, **key points of the letter are mentioned below:**

- The mining lease bearing ML No. 2092, situated in Bankur village, Chittapur taluk Kalaburgi district has been granted in favour of **M/s Jaypee Cement Corporation**

Ltd. (Formerly known as M/s Zawar Cement Pvt. Ltd.) for Limestone, Shale and Clay over an extent of 328.34 Ha. for a period upto **31.03.2030**.

- As per the provision of Section 8A (6) of MMDR Act, 1957, the period of mining lease bearing 2092 held by M/s Jaypee Cement Corporation Ltd. (Formerly known as M/s. Zawar Cement Pvt. Ltd.) shall be extended up to 31.03.2030 as per Section 8A(6)of MMDR Act, 1957.
- The Director, Department of Mines & Geology is directed to execute a supplementary lease deed subject to submission of necessary statutory clearances & N.A., all arrears payable to Govt. and all the terms and conditions of the lease.
- The deemed extension is subject to additional conditions. Of the all conditions one is that “No mining operations shall be undertaken in the lease hold area unless all statutory clearances such as Forest Clearance under Forest (Conservation) Act, 1980, Environmental Clearance under Environment (Protection)Act, 1986, KSPCB Consents, Permissions etc. Under various legislations, Acts, Rules, Regulations, Notifications as amended from time to time to the satisfaction of concerned authorities under such Acts, Rules etc., are in place.

8. Method of Mining & Mining Plan Details:

- The Mining Plan was approved by IBM/DMG vide LR No. MP/GLB/Lst-224-SZ/1497 dated 18.12.2008. As per Mine Plan the method of mining shall be opencast fully mechanized. The sequence of operation is quarrying, drilling, blasting, loading and transportation.
- Details of drilling & blasting, bench height and width, ultimate pit limit, ultimate pit slope, intersection of ground water table if any,

Drilling and Blasting

- 115 mm. dia wagon drills with compressors are used to drill blast holes in limestone. For a bench height of 9 m, depth of holes is maintained at 10 m with 2.5 m burden and 3.0 m spacing for better fragmentation and optimum powder factor. The explosive charge per hole is about 75%-80% of ANFO mixture along with 20% booster slurry explosives. Thus low density ANFO mixtures along with booster slurries are used for blasting, with a stemming column of 0.5-1.0 m. Limestone generated per hole is 3.0 x 2.5 x 9 x 2.5 = 170 tonnes.

Blasting Parameters

Parameter	Lime Stone Bench
Bench height (m)	9.0
Hole depth (m) (including sub-grade drilling)	10
Burden (m)	2.5
Spacing (m)	3.0
Bulk density	2.5
Angle of hole	5 ⁰ -10 ⁰
Charge per hole (kg)	20% Booster + 80% ANFO
Explosive required for blasting (in kg)	10,33,333
No. of holes in mineral zone	36686
Power factor	6t

The Ultimate Pit Limit has been decided based upon the exploration carried out. The entire mineralized area shall be exploited. At places where the extent of mineralization could be seen

up to the ML boundary and beyond, an ultimate pit limit of 7.5 m shall be left within the lease boundary as per statute. The mining benches have been so designed that the ultimate pit slope of the mining benches shall be 45° at the stage of mine abandonment. Mine working will not intersect the ground water table.

Number of top soil dumps with area and capacity, no of waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any,

The black cotton soil overlying the limestone bed forms the overburden which shall be used in afforestation work. The total quantity of this soil generated during plan period is 107058 tonnes which shall be separately removed and stacked in heights not exceeding 3m. with a surrounding retaining wall and shall be simultaneously used in the afforestation work. Therefore, there is no necessity of creating separate waste or reject dumps. At the time of mine closure, 7,70,523 Cu.m top soil will be generated which will be simultaneously utilized for building bund along the boundary of mining lease and along both sides of the approach road to the cement plant. After completion of building of bunds and afforestation, the balance OB (Top soil) will be backfilled in the mined out pit. The backfilled area will be used for afforestation, simultaneously and remaining worked out area will be retained as water reservoir.

In the old workings some waste have been generated and dumped in the central part of the working area, which has to be re-handled as it is located on mineralized area covering 3.25 Ha. The rejects to be generated from ROM are very minimal. As no waste is expected to be generated, the total area provided for waste dumping at the end of plan period is only 4.25 ha.

**LAND USE AT THE END OF MINE LIFE
STAGE WISE LAND USE AND RECLAMATION AREA (ha)**

Sr. No.	Land use Category	End of plan period	Conceptual stage	Area reclaimed & afforested at conceptual
1	Area to be excavated	37.10	322.34	7.5
2	Storage of top soil/Reject Dump	04.25	-	-
3	Infrastructure (Workshop/Buildings etc)	02.00	-	-
4	Roads	05.00	-	-
5	Belt conveyor	01.10	-	-
5	Greenbelt	05.00	5.0	5.0
6	Others (Retention wall, Check-dams etc.,)	01.00	1.0	-
7	Area remaining untouched	272.89	-	-
8	Total	328.34	328.34	12.5
9	Total area used	55.45	328.34	-
10	Total Mining lease area/ reclaimed area	328.34	328.34	12.5

Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, green belt details.

There is no beneficiation plant is proposed. The crusher and screening plant of 1200 TPH will be installed within the mine lease area, crushed limestone will be transported to the cement plant, located only 3.2 km from the mine, by covered conveyor belt system.

Water Requirement

The water requirement for the mine machinery operations, dust suppression and afforestation shall be 80 m³/day, which shall be met from the rain water accumulated in the pit. Drinking water requirement will be met from plant water supply system from Kagina River, water allocation for 1.5 MG from Irrigation Department is already in place.

The main aim of plantation in and around the mine area is to stabilize the land and to protect it from rain and wind erosion. Plantation will be done all along the boundary of mine lease, approach road to cement plant and backfilled area of mine lease. End of the plan period approximate 5 ha. area will be covered under plantation.

9. Other Waste Generation, if any:

No other waste generated except OB in the form of top soil.

10. Land Use (Forest/Agricultural/Waste):

The total mine lease area is 328.34 ha. It is Private (Patta) Land.

11. Details of past production since inception of mine authenticated by DMG

Authenticated past production data are obtained from the Deptt. of Mines & Geology, Govt. of Karnataka vide its letter ref. No.DMG/DDG/2018-19/1292 dtd. 06.08.2018.

However, limestone production data for the period of 2008-09 was in variance to the dispatched quantity of Limestone is calculated for the said period in the demand notice to ZCPL issued by Director, Department of Mines and Geology, Govt. of Karnataka vide ref. No. DMG/ML-2092/2018-19/988 dtd. 20th July, 2018 in compliance of order dated 2.8.2017 in CWP No. 114/2014 of Hon'ble Supreme court.

JCCL approached Deptt. of Mines & Geology, Govt. of Karnataka for rectification of the figures vide letter ref. No. JCCL/JSCP/ML-2092/2018-19/44 dated 13.03.2019. In response, the Deputy Director Deptt. of Mines & Geology, Kalaburagi, Govt. of Karnataka has issued the rectified production data vide its ref. letter No. DMG/DDDMG/2018-19/3522 dated 27.03.2019, as tabulated below:

S. No.	Year	Quantity (MT)			
		Limestone (Production)	Limestone (Dispatch)	Shale (Production)	Shale (Dispatch)
	1985-86	-	-	-	-
	1986-87	-	-	-	-
	1987-88	-	-	-	-
	1988-89	-	-	-	-
	1989-90	67180	67780	12040	12040
	1990-91	277627	277227	44301	44301
	1991-92	423510	425510	77060	77060

1992-93	345340	341340	7620	7620
1993-94	417465	411465	92645	92645
1994-95	583948	579948	126490	126490
1995-96	-	-	-	-
1996-97	379470	379470	75024	75024
1997-98	132465	132465	61245	61245
1998-99	-	-	-	-
1999-00	-	-	-	-
2000-01	3938	3938	3653	3653
2001-02	-	-	-	-
2002-03	-	-	-	-
2003-04	-	-	-	-
2004-05	-	-	-	-
2005-06	-	-	-	-
2006-07	-	-	-	-
2007-08	104712	104712	7200	7200
2008-09	85561	85561	15272	15272
2009-10	16325	16325	3850	3850
2010-11	-	-	-	-
2011-12	-	-	-	-
2012-13	-	-	-	-
2013-14	-	-	-	-
2014-15	-	-	-	-
2015-16	-	-	-	-
2016-17	-	-	-	-
2017-18	-	-	-	-

12. Applicability of General Condition & Status of SEIAA: Not applicable

13. Project Cost & Employment:

The total mining cost for the proposed expansion project is about Rs. 15 Crores. This includes the EMP cost of Rs. 20 Lakhs. During operation phase, manpower requirement will be about 225 nos. including skilled and unskilled workers.

14. Affidavit for SC Order 2.08.2017:

Original copy submitted to Hon'ble EAC at its 19th Meeting held on 25th February, 2019. Copy of the same is attached as Annexure – E of Annexure –III of Agenda.

15. Status of DSR, in case of minor mineral :- Not Applicable

21.3.1.3	<p>Observations and recommendations of committee of 10th EAC meeting held on 11-12th July, 2018:</p> <p>The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to <i>defer</i> the proposal for want of following information from project proponent:</p> <p>(i) Submission of LOI/mine lease document in the name M/s JCCL. (ii) Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government. (iii) To submit the KML/Shape Files of the mine lease area at the time of presentation before EAC. (iv) Chronological details of grant of mine lease since inception. (v) Submission of copies of Acquisition and Auction details from Debt Recovery Tribunal, Kolkata. (vi) Valid documents pertaining to merger from ZPCL to JCCL. (vii) Copies of earlier sectoral EAC meeting minutes.</p>
21.3.1.4	<p>Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019:</p> <p>The EAC, observed that PP has not submitted LOI/mine lease document in the name M/s JCCL. After detailed deliberation, EAC recommended to <i>defer</i> the project for want of following:</p> <p>I. Submission of LOI/mine lease document in the name M/s JCCL. II. Submission of Annexure II as per the format given in the agenda.</p>
21.3.1.5	<p>Observations and recommendations of committee during the present meeting</p> <p>PP along with the consultant made a presentation on the additional information sought in the 19th EAC held on 25th -26th Feb 2019. EAC observed that PP applied for 6.2 MTPA capacity for limestone extraction but not included overburden. Therefore EAC recommended PP to submit the revised Form 1 and PFR along with the bifurcation of total extraction. EAC asked PP to submit the details by tomorrow.</p> <p>PP vide letter dated JCCL/JSCP/MINES/2019 dated 16.04.2019 informed EAC that they are finalizing application (Form 1 and PFR) and need some more time to submit the same to MoEF&CC and therefore, requested to defer the project.</p> <p>EAC based on PP request defer the proposal.</p>
21.3.2	<p>Commercial building project at Plot No. M-1, Village Samaspur, Bindapur, Sector-51, Mayfield Garden, Gurgaon, Haryana by M/s Sunvision Builders Pvt. Ltd. - Further consideration for Environmental Clearance</p> <p>[IA/HR/MIS/84395/2017 dated 02.11.2018, [F. No. 23-280/2018-IA.III (V)]</p>
21.3.2.1	<p>M/s Sunvision Builders Pvt. Ltd. has made online application vide proposal no. IA/HR/MIS/84395/2017 dated 02.11.2018 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 8(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as tenure of SEIAA Haryana is completed.</p>
21.3.2.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. The project is located at Plot no.M-1, Village- Samaspur, Bindapur, Sector-51, , Gurgaon, Haryana Latitude and longitude: 28°26'6.64" N & 77°4.1'19.20" E</p>

2. The project is new/ re-development: **New Project**
3. Earlier Clearance details, Constructions status, if any: The plot area measures 10,898.16 m² (2.693 acre) and total built-up area is 32,331.99 m². Structure work has been completed at site.
4. The total plot area is 10,898.16 sq.m. FSI area is **18,909.41sq.m.** and total construction area of **32,331.99sq.m.** Maximum height of the building is **31.10m.**
5. During construction phase, total water requirement was approx. 162ML which was met through private water tanker. During the construction phase, soak pits and septic tanks were provided for disposal of waste water. Temporary sanitary toilets were provided to labourers.
6. During operational phase, total water demand of the project is expected to be **101KLD** and the same will be met by the HUDA. Wastewater generated (**82KLD**) will be treated in STP of total **100 KLD** capacity. **59KLD** of treated wastewater will be recycled (**42 KLD** for flushing, **17KLD** for gardening, **9.4 KLD**, balance will be discharged into external sewer).
7. About **890.56 kg/day** solid waste will be generated in the project. The biodegradable waste (**356.224 kg/day**) will be processed in OWC and the non-biodegradable waste generated (**534.336kg/day**) will be handed over to authorized local vendor.
8. Total connected load requirement during operation phase is **1500 kW**. It will be met from **State Electricity Board**.
9. Rooftop rainwater of buildings will be collected in 3 RWH Pits.
10. Parking facility for 378 ECS for four wheelers is proposed.
11. Proposed energy saving measures would save about 1 % of power.
12. It located /not located within 10 km of Eco Sensitive areas- Project falls in the distance of 9.15 km radius of Asola Bhatti Wildlife Sanctuary from Haryana side.
13. NBWL Clearance is required: Yes
14. Forest Clearance is required: NA
15. Court case pending against the project: Yes, credible action taken against violation of EIA Notification, 2006
16. Investment/Cost of the project is INR 92.9 Crore (inclusive of Land cost & Development cost).
17. Employment potential:

Construction phase:
During the construction phase, approx. 200 workers got direct employment opportunity.

Operational phase:

	<p>On completion of project there will be regular movement of owners, visitors, staff and related personals. Total influx of population is expected to be 378ECS.</p> <p>18. Benefits of the project: Direct & Indirect employment opportunities, Commercial facilities to the people.</p>
<p>21.3.2.3</p>	<p>Observations and recommendations of committee of 15th EAC meeting held on held on, 27th -29th November 2018:</p> <p>The EAC after deliberation deferred the proposal for want of following information:</p> <ul style="list-style-type: none"> (i) All the copies of minutes of SEIAA. (ii) Date of construction was started. (iii) Copies all the necessary approvals obtained. (iv) Submission of Commitment regarding ZLD. (v) Approval letters for water supply and sewage treated water supply shall be submitted. (vi) Ambient air quality table shall be revised to include the directions along with windrose diagrams and submit reasons for higher air quality values. (vii) Scheme for implementation of indoor air quality system shall be submitted. (viii) Schedule I – Fauna is observed to be in buffer zone as per the list and hence suitable conservation plans shall be submitted. (ix) The Rainwater harvesting system in compliance with GEC 2015 shall be submitted apart from building guideline. (x) A commitment for providing MBBR STP system with ACF and UV filtration of adequate size shall be submitted. Confirmation for provision of dual plumbing system shall be submitted. (xi) Copy of MOU for disposal of non-biodegradable hazardous waste and recyclable waste including e-waste shall be submitted. (xii) Submit the program of greenbelt indicating the species as per the MOEF guidelines. (xiii) In ECBC compliance report 2017 specify the provision of LPD as per ECBC, the efficiency of motors as per ECBC and the proposed compliance. (xiv) Solar Power @ 1% of the demand. (xxiv) Status of credible action taken against violation of EIA Notification, 2006. (xxv) Revised CER considering Greenfield project, since it is a violation case as per the MoEF&CC OM dated 01.05.2018. (xv) The revised remediation and community and natural resource augmentation plan with budgetary provision to augment them in 3 years period shall be submitted by considering following points: <ul style="list-style-type: none"> a. Air Environment: Shall submit increase in GLC during construction, impacts on

	<p>occupational health of construction workers and the nearby habitats in the absence of proper mitigation measures during construction and the budget shall be revised accordingly. Cost of DG stack, AAQ monitoring shall be covered under EMP cost.</p> <p>b. Damage to surface water regime during construction due to effect on surface runoff by construction material and the fugitive dust.</p> <p>c. Non-provision of Rainwater Harvesting system during construction and subsequent damage due to stagnation and avoidance of ground water recharge.</p> <p>d. Since high risk of noise environment due to habitation in closer proximity additional plantation coverage/ Greenbelt coverage to mitigate the impact.</p> <p>e. Land Environment: Improper use of handling of topsoil and subsequent damage and surface runoffs with land use change. Solid and hazardous waste during and improper handling.</p>
<p>21.3.2.4</p>	<p>Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019:</p> <p>PP along with the consultant made the detailed presentation. Based on the information as submitted and presented by the PP, the EAC deferred the proposal for want of following information:</p> <ol style="list-style-type: none"> 1. Indoor Air quality monitoring mechanism is to be submitted. 2. Approved conservation plan from Chief Wildlife Warden is to be submitted. 3. Revised EC/BC compliance report is to be submitted. 4. The PP has to submit the proof of credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986. 5. Revised CER with details of activity to be submitted. 6. Revised budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to prepare accordingly.
<p>21.3.2.5</p>	<p>Observations and recommendations of committee in the present meeting held on 15-16, April 2019:</p> <p>PP along with the consultant made the detailed presentation on the information sought in the 19th EAC held on 25th -26th Feb 2019. The Committee after detailed deliberations on the sought additional information and based on the documents furnished by the project proponent, the Committee recommended an amount of Rs. 1,76,33,000/- to be invested by PP towards Remediation plan and Natural and Community Resource Augmentation plan.</p> <p>In view of above, EAC recommended the proposal for grant of Environmental Clearance subject to the following specific conditions in addition to all standard conditions applicable for such projects:</p> <ol style="list-style-type: none"> 1. EAC recommended for an amount of Rs 1, 76, 33,000/- towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years. The details are given below:

➤ **Cost of Remediation plan**

S.No	Particular	Revised Remediation Budget (INR)
1.	Air Environment	<ul style="list-style-type: none"> • Ambient Air purifiers along Neta Ji ShubhasMarg (@60, 000 x 20 Purifiers) = INR 12,00,000 • Maintenance of Air purifiers (@1500 pm x 12month) = INR 3,60, 000 • Health check-up camp for local population = INR 4,00,000/- (@50,000/camp) • Ambient air quality monitoring near sensitive receptors = INR 180,000/- (@6000/month) • Dust suppression and water sprinkling system for nearby areas. = INR 6, 15,000/- • Barricades for other construction sites = INR 3,10,000/- • Cost oftarpaulin sheets to be given to Municipality for covering the loose construction material = INR 1,44,000/- • Personal protective equipments to construction workers employed at other sites = INR 6,00,000/- <p>Total revised budget proposed for Remediation of Air Environment = INR 38,09, 000/-</p>
2.	Water Environment	<ul style="list-style-type: none"> • Cost of Community toilets = INR 24,00,000/ (@1,00,000/toilet) • RWH pits, cleaning of public drain system = INR 8,08,000/- • Portable STP (2 KL capacity) = INR 2,00,000/ <p>Total revised budget proposed for Remediation of Water Environment = INR 34,08,000/-</p>
3.	Land Environment	<ul style="list-style-type: none"> • Monetary Assistance for soil conservation to farmers = INR 10,00,000/- • Community Waste Bin = INR 10,00,000/- (@1,00,000/bin)

		<ul style="list-style-type: none"> Waste management awareness programmes = INR 2,72,000/- <p>Total revised budget proposed for Remediation of Land Environment = INR 22,72,000 /-</p>
4.	Noise Environment	<ul style="list-style-type: none"> Personal protective equipments = INR 7,45,000/- Noise quality monitoring near sensitive receptors = INR 60,000/- Health check-up camps and distribution of hearing aids = INR 8,00,000/- <p>Total revised budget proposed for Remediation of Noise Environment = INR 16,05,000 /-</p>
5.	Biological Environment	<ul style="list-style-type: none"> Cost of plantation & maintenance of total 1500 trees @550/tree = INR 8,25,000/- Water troughs for cattle = INR 7,11,000/- <p>Total revised budget proposed for Remediation of Biological Environment = INR 15,36,000 /-</p>

➤ **Year wise break up of remediation plan**

S. No.	ACTIVITY	YEAR-WISE IMPLEMENTATION BUDGET (INR)			TOTAL BUDGET (INR)
		1 st Year	2 nd Year	3 rd Year	
1.	Air Environment	12,69,666	12,69,667	12,69,667	38,09,000
2.	Water Environment	11,36,000	11,36,000	11,36,000	34,08,000
3.	Land Environment	7,57,333	7,57,333	7,57,334	22,72,000
4.	Biological Environment	5,12,000	5,12,000	5,12,000	15,36,000
5.	Noise Environment	5,35,000	5,35,000	5,35,000	16,05,000

6.	Socio-economic Environment	2, 45, 000	2, 45, 000	2, 45, 000	7, 35, 000
TOTAL BUDGET FOR REMEDIATION PLAN (INR)					1, 33, 65, 000 /-

➤ **Year wise breakup of Natural Resource Augmentation plan and Budgetary Allocation**

S. No.	ACTIVITY	YEAR-WISE IMPLEMENTATION BUDGET (INR)			TOTAL BUDGET (INR)
		st Year	nd Year	rd Year	
1.	Develop greenery in vicinity of project site panchayat ghar, etc	2, 33,333	2, 33,333	2, 33,334	7,00,000
2.	Long-term management/maintenance of roads & public greenery	1,00,000	1,00,000	1,00,000	3,00,000
3.	Promotion of rain water harvesting practices	2,66,666	2,66,666	2,66,668	8, 00,000
4.	Awareness camps for local community for water conservation	66,666	66,666	66,668	2,00,000
T TOTAL BUDGET FOR NATURAL RESOURCE AUGMENTATION (INR)					20, 00, 000/-

➤ **Year wise break-up of Community Resource Augmentation plan**

S. No.	ACTIVITY	YEAR-WISE IMPLEMENTATION BUDGET (INR)			TOTAL BUDGET (INR)
		st 1 Year	nd 2 Year	rd 3 Year	
1.	Solar Photo Voltaic for nearby schools, etc	2,64, 666	2,64, 667	2,64, 667	7, 94, 000
2.	Upgradation of Community resources including religious places, school and health centre	90, 666	90, 667	90, 667	2, 72, 000
3.	Training on developing technical skills for local population	2,19, 333	2,19, 333	2, 19, 334	6, 58, 000
4.	Scholarship to meritorious students for higher education	1, 81, 333	1, 81, 333	1, 81, 334	5, 44, 000
TOTAL BUDGET FOR COMMUNITY RESOURCE AUGMENTATION (INR)					22, 68, 000/-

Summary

S. No.	PARTICULARS	PROPOSED BUDGET (INR)
1.	Remediation Plan	1,33,65,000
2.	Natural Resource Augmentation Plan	20,00,000
3.	Community Resource Augmentation Plan	22,68,000
	TOTAL BUDGET FOR REMEDIATION, NATURAL & COMMUNITY RESOURCE AUGMENTATION	INR 1,76,33,000/-

2. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 1,76,33,000/-**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 1,76,33,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
3. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
4. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 185.00 lakhs/- to be implemented.
5. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
6. The PP shall submit the proof of credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986 to the MoEF&CC prior to the grant of EC.
7. Approved conservation plan with fund provision of Rs. 27.00 lakhs shall be implemented in consultation with Principal Chief Conservator of Forest & Chief wildlife warden.
8. Wild life clearance shall be obtained from NBWL.
9. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
10. PP shall implement RWH system as per the building code and guidelines.
11. PP shall comply with the requirement of GB guidelines of MOEF, apart from the committed GB during the meeting.
12. PP shall comply with ECBC of 2017 applicable for commercial buildings.
13. PP shall generate @1% of solar power/renewable energy, of the total demand.
14. PP shall comply with specific conditions pertaining to;
 - i. Natural drainage, water requirement, conservation, rain water harvesting and Ground water recharge.

	<ul style="list-style-type: none"> ii. Solid waste management iii. Sewage Treatment Plant iv. Compliance with energy conservation building code of Bureau of Energy Efficiency v. Air quality and noise and indoor air quality vi. Green Cover vii. Top soil preservation and reuse viii. Transport ix. EMP x. Others <p>15. Apart from the above PP shall also comply with general conditions of EC.</p>																				
21.3.3	IT Park ‘Gateway Tower’ at village Sarai Anangpur, District Faridabad, Haryana by M/s Dove Infrastructure Pvt. Ltd. - Further consideration for Environmental Clearance [IA/HR/MIS/84419/2017 dated 02.11.2018] [F. No. 23-63/2018-IA.III]																				
21.3.3.1	M/s Dove Infrastructure Pvt. Ltd. has made online application vide proposal no.IA/HR/MIS/84419/2017 dated 02.11.2018 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under ‘B’ category of item 8(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as tenure of SEIAA Haryana is completed.																				
21.3.3.2	<p>Details of the project as per the submission of project proponent:</p> <ul style="list-style-type: none"> 3. Project title, location (plot No. / Village / Tehsil / District): - IT Park “Gateway Tower” Village- Sarai Anangpur, District Faridabad, Haryana by M/s Dove Infrastructure Private Limited 4. Salient features of the project 5. Land use pattern / Total plot area/ built up area Total Plot Area- 34,398.279sq.m. Total Built up area –1, 40,031.558sq. m. 6. Total water requirement and its source :- 7. Construction Phase: Total water demand of the project was approximately 322 ML. 8. Operation Phase: Total water demand of the project is expected to be 232 KLD approximately; <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">S. No.</th> <th style="width: 55%;">Description</th> <th style="width: 30%;">Total</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Fresh water (KLD)</td> <td>116</td> </tr> <tr> <td>2.</td> <td>Flushing (KLD)</td> <td>116</td> </tr> <tr> <td>3.</td> <td>Total water (KLD)</td> <td>232</td> </tr> </tbody> </table> <p style="text-align: center;"><i>Source :-Water requirement will be met by HUDA</i></p> <ul style="list-style-type: none"> 9. Waste water generation, treatment and disposal :- <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 60%;">Domestic Water Requirement</td> <td style="width: 40%;">232 KLD</td> </tr> <tr> <td> • Fresh</td> <td>116 KLD</td> </tr> <tr> <td> • Flushing</td> <td>116 KLD</td> </tr> <tr> <td>Waste Water Generated (80% fresh of domestic + 100% flushing)</td> <td>23.2 + 116 = 139 KLD</td> </tr> </tbody> </table>	S. No.	Description	Total	1.	Fresh water (KLD)	116	2.	Flushing (KLD)	116	3.	Total water (KLD)	232	Domestic Water Requirement	232 KLD	• Fresh	116 KLD	• Flushing	116 KLD	Waste Water Generated (80% fresh of domestic + 100% flushing)	23.2 + 116 = 139 KLD
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• Flushing	116 KLD																				
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It is expected that the project will generate approx. 139 KLD of wastewater. The wastewater will be treated in STP.

10. **Construction Phase:** During the construction phase soak pits and septic tanks was provided for disposal of waste water. Temporary sanitary toilets were provided.

11. **Operation Phase:** Municipal solid waste generated disposal facility

12. The total municipal (domestic) solid waste to be generated is approx. 2,026 kg/day

Biodegradable waste	1215 kg/day (Waste vegetables and foods etc.)
Non-biodegradable waste	608 kg/day (Papers, cartons, thermocol, plastics, glass etc.)
Inert waste	203 kg/day
Total	2,026kg/day

13. Power requirement and source: **-Electrical Load**, Electrical load = 7,125kVA. **Source: Dakshin Haryana Bijli Vitran Nigam (DHBVN).**

14. There is provision of 5 no. of DG sets of 4 X 1500 KVA & 1 X 1000 KVA for power backup.

15. Proposed energy saving measures:- Energy will be saved using T-5 Lamp, LED lamps, Solar PV.

16. RWH :- Rain water recharge pits (8 Nos.) will be provided

17. Car parking:-Required Parking (As per MoEFCC) = 1 ECS/50 m2 FAR area. **e1640 ECS**

18. Required Parking (As per Haryana Bye Laws) = 1 ECS/40 m2 of FAR .i.e **2,051 ECS**
Proposed Parking = 2,466 ECS

19. Investment/Cost of the project :- INR 195.75Crore (inclusive of Land cost & Development cost)

20. Benefits of the project:-Direct & Indirect employment opportunities and Infrastructural Development of the Area.

21. **Employment potential:-**

22. **Construction Phase:** During the construction phase, approx.150 workers got direct employment opportunity.

23. **Operational phase:** On completion of project there will be regular movement of owners, visitors, staff and related personals. Total influx of population is expected to be 7,269.

24. Project/ activity covered under item of Schedule to the EIA Notification, 2006 :- **Building and Construction project, Category 'B',Project or Activity: 8(a)**

25. Why appraisal/ approval is required at the Central level:-As state SEAC/SEIAA does not exist.

26. National Park/ Wild Life Sanctuary in 10 km radius area:- Okhla Bird Sanctuary and Asola wildlife Sanctuary.

27. NBWL Clearance is required: Yes

	<p>28. Details of Forest land involved, if any:- None</p> <p>29. Credible action initiated against violation of EIA Notification, 2006 vide case no. 164 of 2014, date of order 13.02.2015.</p> <p>30. ToR Details: - Terms of Reference (ToR) was granted by MoEF&CC vide File No: - 23-63/2018-IA-III dated: - 16.04.2018.</p> <p>31. Details of Public Hearing and main issues raised / response of the PP: - Not Applicable</p> <p>32. Land use planning:- Commercial</p> <p>33. Ground water withdrawal approval from CGWA:- Not Applicable</p> <p>34. For other sources, firm commitment of the water supply agency:- Water will be supplied by Private water tanker</p> <p>35. Undertaking to the effect that no activity has since been taken up:- Project is under violation.</p> <p>36. Appraisal by State Coastal Zone Management Authority (SCZMA):- Not Applicable</p> <p>37. Details of earlier EC, if any and compliance thereof:- Not applicable</p> <p>38. Details of earlier appraisal by EAC / SEAC; observation and compliance:- Details given below</p> <p>Chronology of the EC application of the project</p> <p>39. EC application submitted to MoEF&CC, New Delhi vide file No. Z- 11013/22/2017-IA.II on 19.05.2017 under violation category as per the Gazette Notification No. S.O.804 (E), dated the 14th March, 2017.</p> <p>40. The Terms of Reference were approved by the EAC, MoEF&CC, GoI in its 04th meeting held on 19th-21st Feb., 2018 vide letter No. 23-63/2018-1A-III dated 16.04.2018.</p> <p>41. Again EC application was submitted to SEIAA, Haryana on 28.04.2018.</p> <p>42. Proposal was considered by the State Expert Appraisal Committee, Haryana in its 172nd meeting held on 03.07.2018 for appraisal under violation Notification dated 14.03.2017 and 08.03.2018 respectively.</p> <p>43. Reply to the queries raised by Committee Members were submitted by the project proponent, for further processing of the case but the same couldn't be considered due to the tenure of the Committee/ Authority, Haryana is ended on 20th August, 2018.</p> <p>44. Again the project was uploaded on Ministry's web portal vide Proposal No IA/HR/MIS/84419/2017 dated 02nd November, 2018.</p> <p>45. Case listed in 17th EAC meeting agenda on 29.01.2019.</p>
<p>21.3.3.3</p>	<p>Observations and recommendations of committee of 17thEAC meeting held on held on 29th-31st January 2019:</p> <p>PP and consultant Grass Root Research and Creation India Pvt Ltd. made a detailed presentation before the EAC. EAC after detailed deliberation on the information submitted</p>

and presented **recommended to defer the project** for want of submission of following information:

1. Certificate from CWLW regarding distance from Okhla Bird Sanctuary and Asola wildlife Sanctuary from the proposed project.
2. PM_{10} and $PM_{2.5}$ value are very high effective mitigation plan is to be prepared and submitted.
3. Consultant has also advised for particle composition analysis (hydrocarbon, dust, benzene, VOCs) and re-assess the health impacts project might have caused during the construction and address the same in damage assessment report with proper allocation of budgets.
4. Traffic management and likely emission of hydrocarbon during operational Phase is also to be addressed.
5. Since water used during construction phase was obtained from HUDA STP, water quality must be checked for bacterial contamination and also project damage that budget have caused during the construction and advised the same in remediation plan.
6. Green belt development within the campus has to be re worked and presented.
7. Monitoring Stations and its locations in the park be also in budgeted and included in the cost of EMP.
8. Dedicated Environment Cell with qualified environment expert is also to be included in monitoring project.
9. Proof for credible action initiated under section 19 of EP Act.
10. The budgetary estimate for damage assessment shall be revised accordingly with a 3-year action plan to be resubmitted on the following points:
 - Damage assessment needs to revise for AAQ modeling due to construction and transport activities with uncontrolled measures.
 - Source of water for construction workers and related damage to natural resources.
 - Water regime damage due to construction like storm water and surface water runoffs and silted discharge through surface water courses.
 - Health impact on construction worker and nearby habitations with remediation plan.
 - Noncompliance of ECBC for commercial 20% water heating and 1% solar power of demand.
 - Green Belt @1 for 80 sqMtr =abt 450 trees and remediation for the same Yamuna river being close by greenery development by remediation.
 - Dwellings in 500 meters and remediation by green cover.

- Indoor air quality by addition of three tier GB and as to maintain as per norms and remediation for the same since it is in critically polluted area.

21.3.3.4

Observations and recommendations of committee in the present meeting:

PP along with the consultant made the detailed presentation on the information sought in the **17th EAC meeting held on 29th-31st January, 2019**. The Committee after detailed deliberations on the sought additional information and based on the documents furnished by the project proponent, recommended an amount of Rs. **3,20,00,000** /- to be invested by PP towards Remediation plan and Natural and Community Resource Augmentation plan.

In view of above, EAC recommended the proposal for grant of Environmental Clearance subject to the following specific conditions in addition to all standard conditions applicable for such projects:

1. EAC recommended for an amount of Rs **3,20,00,000/-** towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years. The details are given below:

➤ **Cost of Remediation plan**

S.No	Particular	Remediation Budget (INR)
1	Air Environment	<ul style="list-style-type: none"> ➤ Gas connection @ INR 1600 x 100 = INR 1,60,000/- ➤ Cost of WAYU @ INR 60,000 x 8 Purifiers = INR 2,40,000/- ➤ Maintenance cost of WAYU @ 1500 pm x 12 month = 18,000 per annum x 5 purifiers = INR 4,50,000/- ➤ Plant saplings distribution @INR 200/sapling = INR 1,00,000/- ➤ Dust suppression and water sprinkling system = INR 1,85,000/- ➤ Health check-up camp = INR 2,50,000 (@25,000/camp) ➤ Barricading of construction site = INR 1,50,000/- ➤ Cost of tarpaulin sheet = INR 25,000/- ➤ Personal protective equipments = INR 1,35,000/-

		<ul style="list-style-type: none"> ➤ Ambient air quality monitoring = INR 1,32,000/- (@11,000/month) <p>Total budget proposed for Remediation of Air Environment = INR 18,27,000/-</p>
2	Water Environment	<ul style="list-style-type: none"> ➤ Cost of Community toilets = INR 4,00,000/ (@1,00,000/toilet) ➤ RWH pits, cleaning of public drain system = INR 12,00,000/- ➤ Portable STP (10 KL capacity) = INR 10,00,000/ <p>Total budget proposed for Remediation of Water Environment = INR 31,00,000/-</p>
3.	Land Environment	<ul style="list-style-type: none"> ➤ Assistance to the local people/farmers = INR 6,00,000/- ➤ Community Waste Bin = INR 4,00,000/- (@1,00,000/bin) ➤ Waste management awareness programmes = INR 1,50,000/- <p>Total budget proposed for Remediation of Land Environment = INR 11,50,000 /-</p>
4.	Noise Environment	<ul style="list-style-type: none"> ➤ Personal protective equipments = INR 6,00,000/- ➤ Noise quality monitoring near sensitive receptors = INR 30,000/- ➤ Health check-up camps and distribution of hearing aids = INR 5,00,000/- <p>Total budget proposed for Remediation of Noise Environment = INR 11,30,000 /-</p>
5.	Biological Environment	<ul style="list-style-type: none"> ➤ Cost of plantation & maintenance of total 700 trees @ 1100/tree = INR 7,70,000/- ➤ Water troughs for cattle = INR 1,00,000/- ➤ Cost of vertical plantation and two row greenbelt = INR 10,90,000/- <p>Total budget proposed for Remediation of Biological Environment = INR 19,60,000 /-</p>

➤ **Year wise break up of remediation plan**

S. No.	ACTIVITY	YEAR-WISE IMPLEMENTATION BUDGET (INR)			TOTAL BUDGET (INR)
		1 st Year	2 nd Year	3 rd Year	
1.	Air Environment	6,09,000	6,09,000	6,08,000	18,26,000
2.	Water Environment	10,33,334	10,33,333	10,33,333	31,00,000
3.	Land Environment	3,83,334	3,83,333	3,83,333	11,50,000
4.	Biological Environment	6,53,334	6,53,333	6,53,333	19,60,000
5.	Noise Environment	3,76,667	3,76,666	3,76,666	11,30,000
6.	Socio-economic Environment	2,44,667	2,44,666	2,44,666	7,34,000
TOTAL BUDGET FOR REVISED REMEDIATION PLAN (INR)					99,00,000/-

➤ **Year wise breakup of Natural Resource Augmentation plan and Budgetary Allocation**

S. No.	ACTIVITY	YEAR-WISE IMPLEMENTATION BUDGET (INR)			TOTAL BUDGET (INR)
		1 st Year	2 nd Year	3 rd Year	
1.	Develop greenery in vicinity of project site along external roads, greenbelts, parks, etc in consultation with local authorities	6,66,667	6,66,666	6,66,666	20,00,000
2.	Long-term management/maintenance of roads & public greenery	5,00,000	5,00,000	5,00,000	15,00,000
3.	Rain water harvesting in nearby schools	8,33,334	8,33,333	8,33,333	25,00,000

4.	Awareness camps for local community on waste minimization and water conservation	2,00,000	2,00,000	2,00,000	6,00,000
TOTAL BUDGET FOR NATURAL RESOURCE AUGMENTATION (INR)					66,00,000/-

➤ **Year wise break-up of Community Resource Augmentation plan**

S. No.	ACTIVITY	YEAR-WISE IMPLEMENTATION BUDGET (INR)			TOTAL BUDGET (INR)
		1 st Year	2 nd Year	3 rd Year	
1.	Solar Photo Voltaics for nearby schools, etc	11,66,667	11,66,666	11,66,666	35,00,000
2.	Provision of clean drinking water taps for public	5,16,667	5,16,666	5,16,666	15,50,000
3.	Upgradation of Community resources including religious places, school and health centre	7,66,667	7,66,666	7,66,666	23,00,000
4.	Free health check-up camps for residents of nearby areas	5,16,667	5,16,666	5,16,666	15,50,000
5.	Training on developing technical/vocational skills for the local population	8,66,667	8,66,666	8,66,666	26,00,000
6.	Scholarship to meritorious students for higher education	13,33,334	13,33,333	13,33,333	40,00,000
TOTAL BUDGET FOR NATURAL & COMMUNITY RESOURCE AUGMENTATION (INR)					1,55,00,000/-

➤ **Summary**

S. No.	PARTICULARS	PROPOSED BUDGET (INR)
1.	Remediation Plan	99,00,000
2.	Natural Resource Augmentation Plan	66,00,000
3.	Community Resource Augmentation Plan	1,55,00,000
	TOTAL BUDGET FOR REMEDIATION, NATURAL & COMMUNITY RESOURCE AUGMENTATION	INR 3,20,00,000/-

2. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 3,20,00,000/-**

	<ol style="list-style-type: none"> 3. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. 3,20,00,000/- towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC. 4. Remediation plan shall be completed in 3 years whereas bank guarantee shall be before 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority. 5. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 293.00 lakhs/- to be implemented. 6. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission. 7. Wild life clearance to be obtained from NBWL. 8. Effective air pollution mitigation plan submitted to the Ministry shall be implemented in toto. 9. Greenbelt shall be developed with two rows of trees with native species and total number of trees shall be planted are 418 nos. 10. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department. 11. PP shall implement RWH system as per the building code and guidelines. 12. PP shall comply with the requirement of Green Belt (GB) guidelines of MOEF, apart from the committed GB during the meeting. 13. PP shall comply with ECBC of 2017 applicable for commercial buildings. 14. PP shall generate @1% of solar power/renewable energy, of the total demand.
21.3.4	<p>Proposed production of 340000 TPA of Silica Sand from Sri Kumaraswamy Silica Mine having mining lease area of 129.866 Ha at Sy. No. 695/22, Village Momidi, Mandal Chillakur, District S.P.S.R Nellore, Andhra Pradesh by M/s Sri Kumaraswamy - Further consideration for Environmental Clearance</p> <p>[IA/AP/MIN/89769/2018 dated 27.12.2018] [F. No. 23-238/2018-IA.III (V)]</p>
21.3.4.1	<p>M/s Sri Kumaraswamy has made online application vide proposal no. IA/AP/MIN/89769/2018 dated 27.12.2018 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
21.3.4.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Name of the project: Sri Kumaraswamy Silica Mine</p> <p>2. Name of the Company, Address Tele No. & E-mail Head of organization: M/s Sri Kumaraswamy Silica Mines Mommidi Village, Chillakur Mandal, S P S R Nellore District,</p>

Andhra Pradesh.

3. If a Joint venture, the names & addresses of the JV partners including their share:
Not Applicable

4. Latitude and Longitude of the project:

80° 03' 11.80" to 80° 04' 01.90" East longitude

14° 10' 36.90" to 14° 11' 40.10" North latitude

5. Whether the project is in the Critically Polluted Area (CPA):The project is not located in Critically Polluted Area

6. Cost of the project:Rs. 10.0 Lakhs

7. Employment generated/to be generated:35 persons

8. Benefits of the project:

ENVIRONMENTAL BENEFITS

- Mining operations will be done in compliance with the EC conditions
- As per the requirement, after obtaining EC, CFE and CFO will be obtained and all conditions as laid by APPCB will be implemented
- Remediation Plan proposed will be implemented on approval of MoEFCC
- Plantation programme will be implemented to increase the green cover in the area

SOCIAL BENEFITS

- Employment to all those who were serving in the mine till the mine closure in the year 2015. Total employment in the mine will be provided to 45 persons
- Royalty payment to the Govt of Andhra Pradesh
- CSR and CER implementation to improve living standard for the nearby villagers

9. Whether new or expansion project. If expansion:The proposal is for obtaining Environmental Clearance for 3,40,000 TPA Silica Sand Production.

8. If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.
Not Applicable

9. If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF- Not Applicable

10. No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC)- TOR was issued by MoEFCC Violation Committee vide letter no. 23-238/2018-IA.III (V), dated 15th November, 2018.

11. No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)-Not Applicable

12. If the project was considered in EAC, Pl. give dates of the meeting (s).-TOR meeting was held on 18-09-2018

13. Type of Mine: (Open cast/Underground/mixed):Opencast

14. Capacity of the mine applied for 3,40,000 TPA of Silica Sand

15. ML Area 129.866 Ha

- i. As per block allotment 129.866 Ha
- ii. As per approved mine plan 129.866 Ha

16. Date of approval of mine plan, mine closure plan, status & date

Mining plan is approved by Deputy Deputy Director of Mines & Geology, Guntur Region vide Ltr No.: 2004/MMP/NLR/2016, dated 01-07-2017

17. Date of Ground water clearance and surface water approval.- Water will be purchased from outside

18. Existing Ground water level in (M)- 8 m bgl

19. Date of mine closure approval- Not Applicable

20. Any river/Nallah flowing near or adjacent to the proposed mine. If yes, please give details: Varava canal (Sonakaluva) which is an irrigation canal passes between the two blocks of the mining lease area.

Details of mine lease:-

1. Date of entering into original lease deed- 04.09.1975	1. Date of 1 st Lease renewal. 04.09.1995	1. Date of 2 nd Lease renewal. 04.09.2015	1. Date of 3 rd Lease renewal.
2. Date of expiry of original lease deed 04.09.1995	2. Whether renewal or deemed renewal Renewal	2. Whether renewal or deemed renewal Renewal	2.
	3. Date of expiry of 1 st lease renewal/deemed renewal 03.09.2015	3. Date of expiry of 2 nd lease renewal/deemed renewal 03.09.2035	3. Also for subsequent renewals

21. Geological Reserve:

(i) **Total geological reserve:** -

(ii) **Mineable reserve:** 75,29,562 Tonnes

(iii) **Extractable reserve:** 69,11,000 Tonnes

(iv) **Per cent (%) of extraction:** 100

(v) **Range of ground water level:** 8-11 m

(vi) **Total estimated water requirement:** 2 m³/day

(vii) **Details of intersecting ground water level:** There will be no intersection of ground water table due to mining.

22. Details of Deposits:

- (i) **Depth of over body:** 3.6 m below average ground level (However mining will be limited to 2.5 m depth.
- (ii) **Grade of ore:** Foundry grade/Glass grade
- (iii) **Stripping ratio:** Nil

23. Method of mining: Opencast Manual Method of Mining

24. Life of mine: 20 years

25. Whether ambient air quality seasonal data has been monitored. If so, from which season to which season and whether the results are within the prescribed limits.

As per the TOR issued by MOEFCC, one month baseline data was collected in the month of November, 2018 for validation of earlier baseline data.

Baseline environmental monitoring was also carried out for Winter Season 2015 - 16 covering the months of December 2015, January 2016 and February 2016.

26. Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is for expansion. - Not Applicable

27. Details of O.B. - : No external dumps are proposed

28. Details of Internal Dumps: No internal dumps are proposed

29. Utilization potential of wastes: There is no solid waste generation from the mine. No overburden waste material generation is envisaged during the life of the mine.

30. Details of final Mine Voids

- (i) **Area:** 110.356 Ha
- (ii) **Depth:** 2.5 m below ground level

31. Details of Quarry:

- (i) **Total quarry area :** 129.866 Ha
- (ii) **Backfilled quarry area ofha shall be reclaimed with plantation - Nil**
- (iii) **A void of ha at a depth of m which is proposed to be converted into a water body - 110.356 Ha (2.5 m depth)**
- (iv) **Green belt created in ha. -5.24 Ha**

32. Details of Land usage

S. No	Land Use	Within ML Area (Ha)	Outside ML Area (Ha)	Total
1	Agriculture land	-	-	-
2	Forest land	-	-	-
3	Wasteland	-	-	-
4	Grazing land	-	-	-
5	Surface water bodies	-	-	-
6	Settlements	-	-	-
7	Other (specify)	129.866 Ha (Govt Land)	-	129.866 Ha

				(Govt Land)
	Total	129.866		129.866
				6

i) Pre-mining

Mining operations commenced in the year 1975

Present land use is given below:

- Excavation (Voids Only)-72.20 Ha
- Roads- 10.54 Ha
- Mine Infrastructure-0.05 Ha
- 7.5m barrier zone-5.24 Ha
- Unutilised-47.076 Ha

(ii) Post- Mining

- ❖ Excavation (void only)-110.356 Ha
- ❖ 7.5m barrier zone – 5.24 Ha
- ❖ Unutilised-14.27 Ha

(ii) Core area- 129.866 Ha

33. Details of Forest issues: No forest land is involved in the core zone. Hence forest clearance is not required. There are no wild life sanctuaries, national parks, elephant/tiger reserves within 10-km radius of the study area.

34. Costs of the project :

- (i) Total capital Cost:** Rs. 10.0 Lakhs
- (ii) Cost of Production:** Rs 250/
- (iii) Sale Price:** Rs 350/-
- (iv) CSR cost:** Rs 2.0 Lakhs per annum
- (v) R&R Cost:** Not Applicable
- (vi) No of PAFs:** None
- (vii) Cost for implementing EMP:** Rs 4.0 lakhs

35. Details of villages/habitation in mine lease area: There are no villages within the Mine Lease area.

36. Details of transportation of mineral: The Silica Sand produced from the mine is transported to the stockpile by trucks and from there to end users.

37. Details of reclamation:

- (i) Reclaimed external OB dump (in ha) :** Not Applicable
- (ii) Internal dump (in ha),:** Not Applicable
- (iii) Green belt (in ha):** 5.24 Ha
- (iv) Density of tree plantation (in no of plants):** 1500 /Ha saplings
- (v) Void (in ha) at a depth of (in m) which is proposed to be converted into water body:**
 - Area of mined outpits : 110.356 Ha
 - Depth : 2.5 m
- (vi) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).**
- Nil
- (vii) Agriculture and horticulture-** Not Applicable
- (viii) Fisheries-** Not Applicable

(ix) ECO Tourist/recreation spot- Not Applicable

38. Any violation cases pending. If so, please provide a list with details as annexure

State Government/SPCB has already initiated action under the provisions of section 19 of the Environment (Protection) Act, 1986. A case has been filed in the Court of IInd Additional Judl Magistrate of 1st Class, Nellore with CC number 456/18 and a Penalty of Rs 1,00,000 /- was already deposited in the Govt Treasury.

39. Give details of actual production vis-à-vis sanctioned capacity since the inception of mine in following format or since 1993-94 as applicable:

Year	EC Sanctioned Capacity (MTPA)	Actual Production (Tonnes/annum)	Excess production beyond the EC sanctioned capacity (Tonnes/annum)
1986-87	Nil	13095	0
1987-88		11475	0
1988-89		8550	0
1989-90		10420	0
1990-91		-	0
1991-92		19905	0
1992-93		13500	0
1993-94		18450	0
1994-95		32000	12095 (with 93-94 production figure as basis)
1995-96		33000	13095
1996-97		36540	16635
1997-98		42535	22630
1998-99		40908.58	21003.58
1999-2000		71664	51759
2000-01		91886	71981
2001-02		85500	65595
2002-03		91500	71595
2003-04		105000	85095
2004-05		142100	122195
2005-06		151500	131595
2006-07	184063	164158	
2007-08	202099	182194	
2008-09	173612	153707	
2009-10	242200	222295	
2010-11	310229	290324	
2011-12	338831	318926	
2012-13	315409	295504	
2013-14	335453	315548	
2014-15	333490	313585	
2015-16	85800	67350	

Note : Production details prior to 1995 are not available with SK or any other Govt. body.

	<p>40. Date and Place of public hearing: Public Hearing was conducted for 136.944 Ha. Now the ML area was reduced to 129.866 Ha. Date of PH: 23.04.2016. Joint Collector presided over the PH.</p> <p>41. Name of the EIA consultant who prepared the EIA/EMP report. - B. S. Envi-Tech (P) Ltd.</p> <p>42. Whether the consultant has been accredited by the QCI and NABET as per the MoEF OM dated 2nd December, 2009. Yes</p>
<p>21.3.4.3</p>	<p>Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019:</p> <p>PP along with the consultant made the detailed presentation. Based on the information as submitted and presented by the PP, the EAC deferred the proposal for want of following information:</p> <ol style="list-style-type: none"> 1. Capital cost of the proposal is to be revised including land cost and other expenditures. 2. A detail safety measure for the Varava canal (Sonakaluva) which is an irrigation canal passes between the two blocks of the mining lease area is to be submitted. 3. Water quality analysis of Varava canal is to be submitted. 4. Revised land use pattern of Mine area including stocking area is to be submitted. 5. A detail of garland drain to protect the canal is to be submitted. 6. Revised green belt plan along with final mine closure plan is to be submitted. 7. AAQ modeling needs to be revisited and submitted by considering the movement of trucks without control measures and with control measures. 8. Water requirement need to be revised as per the green belt plan and submitted. 9. CER is to be revised as per the revised Capital cost. 10. EMP is to be revised by incorporating water sprinkling, green belt plan. Detailed EMP cost for both capital investment and recurring cost is to be prepared for all the environmental attributes and submitted. 11. Details of aquatic fauna & flora need to be submitted. 12. Damage assessment need to revise covering 80.35 ha mining area and submitted. Revised remediation plan as per the damage assessed, revised natural and community resource augmentation plan is to be submitted.
<p>21.3.4.4</p>	<p>Observations and recommendations of committee in the present meeting:</p> <p>PP along with the consultant made the detailed presentation on the information sought in the 19th EAC meeting held on 25th -26th Feb 2019. The Committee after detailed deliberations on the sought additional information and based on the documents furnished by the project proponent, observed that PP has submitted Remediation plan and Natural and Community Resource Augmentation plan of Rs 42.64 lakhs. PP was advised by the EAC to revise the same as suggested and submit it today. Accordingly PP vide letter dated SK/MOEFCC/ADS/MINE/2019-1 submit the revised Remediation plan and Natural and</p>

Community Resource Augmentation plan of Rs 63.64 lakhs during the meeting and same was deliberated by the EAC. After detailed deliberation EAC recommended a cost Rs. of 63.64 lakhs to be invested by PP towards Remediation plan and Natural and Community Resource Augmentation plan.

In view of above, EAC recommended the proposal for grant of Environmental Clearance subject to the following specific conditions in addition to all standard conditions applicable for such projects:

1. EAC recommended for an amount of Rs 63.64/- lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years. The details are given below:

➤ **Cost of Remediation plan**

Env. Component	Remediation Measures for Environmental Damage	2019-20	2020-21	2021-22	Total (Rs)
Air Environment	Distribution of fruit bearing saplings to the villages for 20 % of the houses in Momidi and Yeruru having total households of 460 @ Rs 50 /- per sapling	7200 (Yeruru Village)	16000 (Momidi village)	0	23200
	500 plants @ Rs 400 /- will be planted in the avenue roads of Momidi Village and Yerur Village	80000	80000	40000	200000
	Medical checkup - Pulmonary tests for 100 persons @ Rs 1000 per person	50000	50000	0	100000
	Laying of road of 800 m in Momidi village @ Rs 8 Lakhs/km	640000	0	0	640000
	Total (A)	777200	146000	40000	963200
Noise Environment	Hearing aid equipment for 20 persons Supply of Sound	16000	0	0	16000

	Amplifier Ear Machine the Ear Hearing Aid @ Rs 800 /-				
	Total (B)	16000	0	0	16000
Water Environment	Supply of Agriculture water pump sets for 10 persons @ 12000 /- per set	120000	0	0	120000
	RO plant to school at Momidi village	100000	0	0	100000
	Total (C)	220000	0	0	220000
Land Environment	Supply of organic fertilisers of about 6000 Kg @ Rs 80 per Kg	160000	160000	160000	480000
	Total (D)	160000	160000	160000	480000
Ecological Environment	Supply of equipment for manufacture of jute bags – 3 nos @ RS 40,000/- per unit	40000	40000	0	80000
	Supply of LED bulbs 1000 bulbs of 12 W @ Rs 250 /-	10000	15000	0	250000
	Total (E)	14000	19000	0	330000
Socio-economic Condition	Sponsoring spectacles to villagers for a about 50 persons @ Rs 500 per person	10000	10000	5000	25000
	Total (F)	10000	10000	5000	25000
Grand Total (A)+(B)+(C)+(D)+(E)+(F):					20,34,200/-

➤ **Year Wise Budget For Remediation Plan**

Environmental Component	2019-20	2020-21	2021-22	Total (Rs)
Air Environment	777200	146000	40000	963200
Noise Environment	16000	0	0	16000
Water Environment	220000	0	0	220000
Land Environment	160000	160000	160000	480000

Ecological Environment	14000 0	19000 0	0	330000
Socio-economic	10000	10000	5000	25000
TOTAL	13,23,200	5,06,000	2,05,000	20,34,200

➤ **Natural Resources Augmentation Plan along with Action Plan And Budget**

Natural Resource Augmentation	2019-20	2020-21	2021-22	Total (Rs)
Assistance in developing aqua ponds for three aqua pond developers	100000	10000 0	10000 0	30000 0
Supply of water pots to 1000 households for summer season for three years @Rs 50 /-	50000	50000	50000	15000 0
Providing Rainwater harvesting network in Momidi school with a recharge pit	100000	0	0	10000 0
Supply of Bamboo window shades for 100 households @ 3 per house @ Rs 1100	130000	100000	100000	330000
Total				880000

➤ **Community Resource Augmentation Plan**

S.No	Community Resource Development	2019-20	2020-21	2021-22	Total (Rs)
1	Supply of freezer boxes for fishing community	10000 0	10000 0	10000 0	30000
2	Providing assistance for setting up fly ash brick manufacturing plant keeping in view of coal based thermal power plant in the region	450000	0	0	450000
3	Supply of fishing nets to 60 fishermen of Momidi @ Rs 5000 per net	100000	100000	100000	300000

4	Boat building @ Rs 75000 /- each boat (4 nos)	150000	150000	-	300000
5	Community Plantation	700000	700000	700000	2100000
				Total	3450000

➤ **Summary:**

S.No	Description	Estimated cost (in Lakh Rs)
1	Remediation Plan	20.34
2	Natural Resources Augmentation Plan	8.80
3	Community Resources Augmentation Plan	34.50
Total Budgetary Provision		63.64

2. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 63.64 lakhs**.
3. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 63.64 lakhs/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
4. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
5. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 2,70,000/- to be implemented.
6. 50 m safety zone shall be kept for the varava canal (sona kaluva) which is an irrigation canal passes between the two blocks of the mining lease area.
7. Garland drain to be constructed on both sides beyond 50m safety zone of varava canal and along the lease boundary apart from settling pond etc.,
8. 1860 saplings of casuarina plantation on either side of Sona Kaluva and 6000 saplings to be planted in 7.5 m barrier zone on the periphery of the ML boundary covering total green belt area of 24 Ha within 3 years.
9. Periodical health checkup of workers shall be carried out and also to submit the report to concerned regional office
10. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
11. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble

	<p>Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</p> <p>12. Department of mining & Geology, State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</p> <p>13. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.</p> <p>14. Project proponent shall comply with the specific conditions related to main haulage road, top soil preservation, regular water sprinkling, 7.5 mtr wide green belt in the safety zone around the mining lease, control of noise levels etc., apart from compliance to other standard conditions.</p>
21.3.5	Manufacturing bulk drugs and active pharmaceutical ingredients (APIs) along with R&D facility by M/s shilpa Medicare Limited at Deosugar Industrial Area, Taluka and District Raichur (Karnataka) - Further consideration for Environmental Clearance [IA/KA/IND2/75276/2018 dated 08.01.2019] [F. No. J-11011/191/2017-IA.II(I)]
21.3.5.1	M/s Shilpa Medicare Limited has made online application vide proposal no. IA/KA/IND2/75276/2018 dated 08.01.2019 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 5(f) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.
21.3.5.2	<p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> The proposal is for environmental clearance/ToR to the project Active Pharmaceutical Ingredients (APIs) & Intermediates manufacturing industry with R & D activity at Plot No. 1A, 1A''P'', 1B, 2, 2A, 2B, 3A to 3E, 4A, 4B, 4C, 5A & 5B, Deosugar Industrial Area, Raichur by M/s. Shilpa Medicare Ltd. – Unit I. The project proposal was considered by the Expert Appraisal Committee (for the proposal involving violation of EIA Notification, 2006) in its 2nd meeting held during Tuesday, 16th January, 2018 and recommended Terms of Reference (ToRs) for the Project. The ToR has been issued by Ministry vide letter No. J-11011/191/2017-IAII(I) dated 14th June 2018. All synthetic organic chemicals industries located within 5 km radius of inter State boundary are listed at S.N. 5(f) of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC). Existing land area is 95,975.34 m². Industry has already developed / will develop greenbelt in an area of 33 % i.e. 33,591.25m² (i.e. 35%) out of total area of the project. The estimated project cost is Rs. 130.3851 Crores. Total employment will be 150 Persons as direct & 200 persons indirect. Industry proposes to allocate Rs. 98 Lakhs @ 0.75% of Rs. 130.3851 crores towards Corporate Environmental Responsibility (CER) as per Ministry OM dated 1st May, 2018.

7. There are **no** national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River/water body **Krishna** is flowing at a distance of **4.22 km** in **northern** direction.
8. Ambient air quality monitoring was carried out at **seven** locations during **March to May 2018** and the baseline data indicates the ranges of concentrations as: PM₁₀ (**45.5 to 78.2** µg/m³), PM_{2.5} (**19.4 to 45.2** µg/m³), SO₂ (**7.4 to 19.3** µg/m³) and NO₂ (**8.1 to 19.9** µg/m³). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be **max 79.35** µg/m³, **max 21.1** µg/m³ and **max 19.9** µg/m³ with respect to PM₁₀, SO_x and NO_x respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).
9. Total water requirement is **56 m³/day** of which fresh water requirement of **56 m³/day** will be met from **KIADB (Krishna River)**.
10. Effluent of **26 KLD** quantity will be treated through **Effluent Treatment Plant of Unit II**. The plant will be based on **Zero Liquid discharge system**.
11. Power requirement is **1800 KVA** and will be met from **Gulbarga Electricity Supply Company, a branch of Karnataka State power distribution corporation limited (KPTCL)**. Existing unit has **two DG sets of 325 kVA** capacity. Stack (height **5 m ARL** is provided for existing DG sets)
12. Existing unit has **two 4 TPH coal or briquette** fired boiler. Additionally **NO** boilers will be installed. **Multi cyclone separator (2 no.s)** with a stack of height of **30 m AGL** is installed for controlling the particulate emissions within the statutory limit of **115 mg/Nm³** for the proposed boilers.
13. Details of process emissions generation and its management.
Process section is provided with 4 stacks of 3 m height ARL. Each stack is provided with packed column scrubber to control emissions.
14. Details of Solid waste/ Hazardous waste generation and its management.

Item	Qty. per annum	Unit	Mode of disposal
Municipal solid waste	13.7	T/annum	For piggery
Boiler ash	183	T/annum	Brick industries
Used oil from DG sets	0.2	KL/annum	KSPCB authorized spent oil re-processors
Spent solvents	39.6	KL/annum	KSPCB authorized recyclers/re-processors.
Distillation residue	2	MT/annum	Incineration
Process residue	2	MT/annum	Incineration
Empty barrels/containers/line rs contaminated with hazardous chemicals/wastes	200	No.s/ annum	KSPCB authorized recyclers
Spent carbon	1	MT/annum	Incineration

15. Public Hearing for the proposed project has been conducted by the State Pollution Control Board on **13th November 2018**. The main issues raised during the public hearing are related to

POSITIVE RESPONSES

- Provided employment to local people.
- Carrying out lot of CER / CSR activities in surrounding villages.
- No effect on surrounding environment.

NEGATIVE RESPONSES

- Pollution of Konnanahalla located at a distance of 2.28 km to the south.
- More employment opportunities to the local people.
- Odour problem due to the industries in the industrial area.
- Groundwater at Yadlapura (1.6 km away towards Northeast) and HeggasanaHalli (1.08 km away towards South) are not fit for drinking. Borewell water at Bismilla Brick Industry, Chikkasugur (3.9 km towards South east direction) is contaminated.
- Crop damage in Sri Jagannath Reddy's agricultural land (at 2.66 km towards south east)& Sri. Sukanagouda land (Heggasanahalli Village (at around 2 km towards south).
- Environmental issues related to neighbouring thermal power plant viz. coal transport & ash handling.

16. Details of Certified compliance report submitted by RO, MoEF&CC. (In case of expansion Proposal).**NOT APPLICABLE**

17. Status of Litigation Pending against the proposal, if any: Credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986.

18. The details of products and capacity as under:

S.No	Product details	Existing quantity, MT/ annum	Proposed quantity	Total quantity, MT/ annum
1	Acebrophylline	36	-	36
2	AmbroxolHCl	72	-	72
3	BuflomedilHCl	12	-	12
4	Nifedipine	12	-	12
5	Phenyl ephrineHCl	18	-	18
6	Sildenafil citrate	12	-	12
7	TiclopidineHCl	24	-	24
8	Ursodeoxycholic acid	108	-	108
9	Anastrozole	0.06	-	0.06
10	BendamustineHCl	0.06	-	0.06
11	Bicalutamide	2.4	-	2.4
12	Bortezomib	0.012	-	0.012
13	Capecitabine	12	-	12
14	Carboplatin	0.6	-	0.6
15	Cisplatin	0.6	-	0.6
16	Docetaxel trihydrate	0.6	-	0.6

17	EpirubicinHCl	0.24	-	0.24
18	Gefitinib	0.12	-	0.12
19	Gemcitabine HCl	3	-	3
20	Imatinibmesylate	1.2	-	1.2
21	IrinotecanHCltrihydrate	0.12	-	0.12
22	Lenalidomide	0.012	-	0.012
23	Letrozole	0.06	-	0.06
24	Oxaliplatin	0.06	-	0.06
25	Paclitaxel	0.12	-	0.12
26	Pemetrexed	0.12	-	0.12
27	Temozolomide	1.2	-	1.2
28	Thalidomide	0.6	-	0.6
29	TopotecanHCl	0.06	-	0.06
30	Zoledronic acid	0.06	-	0.06
Total		<i>317.304 MT/ annum</i>	-	<i>317.304 MT/ annum</i>

21.3.5.3

Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019:

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, recommended to **defer** the proposal for want of following information from project proponent:

- i. The project EIA report needs revision and is required to be submitted by incorporating calculation for dust emitted in construction phase and the potential damage it has caused without control measures in place on ecology and surrounding area. The dust also likely to be generated from the nearby Thermal Power plant during that phase be taken into account while assessing cumulative impact. While calculating damage assessment rework for water utilization without permission and not constructing rainwater harvesting structures to be considered.
- ii. Revised budget for environment damage to be submitted. The PP while making presentation mentioned about VOCs concentration of 1.5 PPM. In view of this high concentration non-point emission of VOCs be calculated.
- iii. Looking at the inventory of solvent, fire hazard scenario in cases of fire and emergency preparedness plan, damage distance for toxicity in case of non fire hazard scenario along with risk mitigation plan along with Standard Operating Procedure is to be submitted.
- iv. CER action plan along with the revised budget is to be submitted.
- v. Revised EMP capital cost and recurring cost to be submitted.
- vi. Copy of health certificate issued by the primary health centre is to be submitted.
- vii. Based on rainfall details, details on rain water harvesting pits already constructed and to be constructed is to be submitted.
- viii. MoU between PP and TSDF is to be submitted.
- ix. Revised green belt plan (33%) is to be submitted.
- x. Declaration of revised Capital cost of the project to be submitted.

	<p>xi. Sanctioned copy of water source from KSDP is to be submitted.</p> <p>xii. The PP has to submit the proof of credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986.</p>
21.3.5.4	<p>Observations and recommendations of committee in the present meeting: The EAC, after detailed deliberations on the additional information sought in the 19th EAC held on 25th - 26th Feb 2019 and documents submitted, recommended to defer the proposal for want of following information from project proponent:</p> <ol style="list-style-type: none"> 1. Risk assessment using 3 D modeling is to be done and same to be submitted. 2. Credible proof for the activities and amount spent under CSR is to be submitted. 3. Justification for the bulk storage of organic solvent shall be submitted. 4. Explosive permission for storing of solvents 5. Proof of Credible action initiated against violation of EIA Notification, 2006 6. Revised remediation and natural community resources augmentation plan taking into account the benefit accrued during the violation period shall be submitted.
<p>Day 2: Tuesday, 16th April, 2019 Time: 10:00 AM</p>	
21.4.1	<p>Alangulam Lime Stone Mine, G.O. No. 427 (M.L. Area 268.80 Ha) in Virudhnagar district, Tamilnadu by M/s Tamilnadu Cements Corporation Ltd. - Terms of Reference</p> <p>[IA/TN/MIN/66122/2017 dated 12.07.2017] [F. No. 23-21/2019-IA.III (V)]</p>
21.4.1.1	<p>M/s Tamilnadu Cements Corporation Ltd. has made online application vide proposal no. IA/TN/MIN/66122/2017 dated 12.07.2017 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under ‘A’ category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
21.4.1.2	<p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Project description The Proposal of M/s Tamilnadu Cement Corporation Ltd. is for Mining of Limestone from Alangulam Limestone Mines (G.O. No. 427 dated 19.03.1980) for total excavation 6,00,000 Tonne per annum (TPA) [including 120,000 TPA of lime stone, and 480,000 TPA of waste/overburden/inter-burden/top soil) from mining lease area 268.80.0 Ha located at Alangulam, Lakshmipuram, Pernaickenpatti, Duraisamipuram, Edirkottai and Narnapuram Villages of Sivakasi Taluk, Virudhunagar District, Tamilnadu State by M/s Tamilnadu Cement Corporation Ltd. (a Govt. of Tamilnadu Enterprise). 2. ProjectBackground The proposal of M/s Tamilnadu Cement Corporation Ltd. is for production of 1,20,000 Tonne per annum (TPA) of limestone from Alangulam Limestone mine (ML Area 268.80.0 Ha, located at Villages Alangulam, Pernaickenpatti, Duraisamipuram, Edirkottai, Narnapuram, Lakshmipuram Tehsil Virudhunagar, District Virudhunagar, State- Tamilnadu. The mining lease is located on Survey of India Topo-sheet no. 58 G/11 &58 G/15. The mines covered under this project comprise of 4 non-contiguous areas. 3. Category of the Project (Refer cluster certificate if applicable)

The said project/activity is covered under category A of item 1 (a) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee.

4. Violation Details & Sectorial EAC:

The mines were operated without environmental clearance under provisions of EIA Notification 1994 and 2006.

M/s Tamil Nadu Cements Corporation Ltd. had applied for grant of EC for the project, and the ToR presentation was made before the EAC (Non-Coal Mining) during 27-28th April, 2017. The committee decided that as the mines were operated without EC, it is a case of violation and should be considered under provisions of violation.

5. Application (Form-1 &PFR)

Fresh application, Form-1 and PFR, was made online vide proposal no. IA/TN/MIN/66122/2017 on 12.07.2017 under violation category for Term of References (ToR) under provision of the Ministry's Notification S.O 804 (E).

6. Details of Minerals

Number of minerals. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor):

The mineral to be extracted is cement grade Limestone, which is a Major Mineral.

7. Letter of Intent (LoI)/Mining LeaseDetails:

Mining lease granted vide G.O. No. 427 dated 19.03.1980 for lease area of 268.80.0 hectares spread over Villages Alangulam, Pernaickenpatti, Duraisamipuram, Edirkottai, Narnapuram, Lakshmipuram, Tehsil Virudhunagar, District Virudhunagar, State- Tamilnadu, for a period of 20 years. The area under the lease is non-contiguous and comprises of 4 patches.

The lease deed was executed for **20 years**w.e.f. 09.03.1981.

Application for renewal of lease was submitted and the same is pending with the Government. As per amendment of MMDR 1957, the lease applied for renewal are extended and deemed to have been extended up to a period ending 31st march, 2030.

8. Method of Mining & Mining PlanDetails

The Mining Plan was approved by IBM/DMG vide letter No. TN/VRD/MP/LST-1290-SZ dated 29.03.2001. The latest Scheme of Mining for the scheme period 2014-15 to 2018-19 was approved vide letterNo. TN/VRD/LST/MS/1269-MDS dated 16.11.2015.

The method of mining is opencast fully mechanized utilizing Heavy Earth Moving Equipment (HEME) and drilling and blasting. The broad method can be stated as deep hole drilling and blasting using wagon drill holes at a depth of 10 m and a height of the bench will be 9 meter and then ore and topsoil handling by backhoe hydraulic excavators of 0.9m³ bucket capacity and 25 ton capacity tarus tippers will be used for transport of ore and waste minerals for blasting slurry explosives and ANFO mixtures will be used.

Bench Parameters:

Bench height	: 9 metres
Bench width	: more than bench height
Bench slope	: 60 ⁰ to the vertical

Drilling & Blasting

For drilling, pneumatically operated wagon drills is used in combination with the diesel operated compressors. The diameter of drill hole is 110mm. Wagon drills of Ingersoll make is used for primary drilling, the depth of the holes are 9.0 m to 9.5 m.

For secondary drilling 33 mm dia jack hammers are used and portable diesel air compressor of 465 cfm capacity of Kirlosker make are utilized for wagon drilling and secondary drilling.

Deep whole blasting is carried with slurry explosives with electric delay detonators and detonating fuse. Slurry type of explosives with ANFO will be used for blasting. The spacing and burden will be 3.5m and 3.0 and the depth of the hole will be 6m. The hole is drilled to a depth of 6.5m, giving 10 % sub grade drilling to avoid toe formation. The blasting will be restricted to three to four rows of drilling with each row consisting of 10-12 holes. The holes are drilled either in a staggered pattern or square pattern.

Ultimate pit limit

The ultimate proposed pit limit is 40 meters below ground level. As the ground water in the area occurs at 20-30 meters below ground level, the mining will intercept ground water table.

Waste/Top Soil dumps

The top soil generated till date has been utilized for plantation and rehabilitation. At present, there are 7 dumps for waste material and overburden.

Detail of these dumps are as follows.

Name of Pit	Nature of waste in tons	Dump no.	Area in Sq m	L (m)	W (m)	Height (m)	Angle of repose	
HSL & K pit	Nil	436800	1	33600	280	120	13	45°
	Nil	119459	2	8515	131	65	14	45°
	Nil	480000	3	32000	200	160	15	45°
	Nil	874800	4	46600	270	180	18	45°
	Nil	1788000	5	89400	540	160	20	45°
	Nil	78000	6	6000	80	75	13	45°
	Nil	96000	7	8000	100	80	12	45°
Pernaickenpatti	Nil	15000	1	4500	75	00	9	45°
Total		3888059						

At the end of the mining period, the entire waste material and overburden will be utilized for rehabilitation of benches. Therefore, at the mine closure stage, there will be no waste dump.

Land use as per scheme of mining for 2014-15 to 2018-19

Activities	As on Date	End of the five year of scheme period	End of the life of mine (in Ha.)
Mining pit	55.00	61.29.0	92.00.0
Back filling	0	0	50.00.0

Over burden dump	22.80.0	25.80.0	0
Green Belt	26.50.0	29.00.0	45.00.0
Infrastructure	2.50.0	2.50.0	2.50.0
Roads	5.50.0	5.50.0	5.50.0
Undisturbed area	159.00.0	144.71.0	73.80.0
Total	268.80.0	268.80.0	268.80.0

9. Other Waste Generation, if any:

No top soil generation is expected during the scheme period. Top soil, if any, generated during life of the mine shall be utilized for plantation and for rehabilitation of mine benches.

10. Land Use(Forest/Agricultural/Waste):

Mining lease area does not include any forest area. Part of the land under the lease is already under pits. The initial land use of the lease area is waste land, agricultural land and dry land.

11. Details of past production since inception of mine authenticated byDMG

As per DMG letter no. KVI/664/2018 dated 26.10.2018, details of past production is given in table below:-

Year	Production (TPA)
1974-75	19145.440
1975-76	267961.750
1976-77	134867.760
1977-78	88764.860
1978-79	15472.570
1979-80	21326.550
1980-81	6615.480
1981-82	20742.990
1982-83	10209.770
1983-84	3303.050
1984-85	53683.060
1985-86	40113.800
1986-87	--
1987-88	60.180
1988-89	2563.000
1989-90	33543.200
1990-91	20369.290
1991-92	--
1992-93	479.200
1993-94	64299.320
1994-95	101780.000
1995-96	2485.000
1996-97	10440.000
1997-98	--
1998-99	--
1999-2000	53802.180
2000-01	38500.000
2001-02	111939.270
2002-03	110198.030
2003-04	42976.750
2004-05	84816.960
2005-06	97698.790

2006-07	82533.770
2007-08	52013.500
2008-09	49897.470
2009-10	35941.540
2010-11	72619.140
2011-12	37784.780
2012-13	41961.000
2013-14	42946.120
2014-15	22159.230
2015-16	42960.520
2016-17	62288.590
2017-18	--

12. Applicability of General Condition & Status of SEIAA:

There is no forest, Wildlife Sanctuaries or Habitats for any Specific Wildlife within 10 km radius of the ML Area.

13. Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area

There is no Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area within 10 km radius of the ML Area.

14. Project Cost & Employment:

Total project cost is 23.31 Crores.

Total Manpower required for the project is 34 persons. Out of these. 9 persons are full time employees of the company, and remaining 25 persons on contract. The contract employees include drillers, blaster, machine operators and drivers.

21.4.1.3

Observations and recommendations of committee:

PP along with consultant made the presentation on the project. EAC observed that the mines were operated without environmental clearance under provisions of EIA Notification 1994 and 2006, hence violation of EIA Notifications.

EAC further observed that PP is not holding the valid mining lease deed on date and further as per the KML file mine lease is discontinuous and separated in four blocks. Therefore, considering valid mine lease document as the mandatory requirement for appraisal for the grant of ToR, EAC deferred the project for want of following information:

1. Submission of LOI
2. Distance between all the mine blocks with each block area details.
3. Sequence of-mining and mine closing plan details to be submitted
4. Geological, minable reserves for each block is to be submitted.
5. Justification for undisturbed area (73.08 Ha).

EAC further opined that Ministry may also refer the case to Non-coal mining sector for their comments for considering the ToR application for this mining lease having scattered mining blocks.

21.4.2

Enhancement of Ball Clay, Red and Yellow Ochre Mine from 13,587 TPA (ROM) to 1,00,000 TPA (ROM) by M/s Sharda Sales Corporation, Bikaner, located near Village JaisingDeaser, Tehsil Nokha, District Bikaner, Rajasthan (129.5 Ha) - Terms of Reference

	[F. No. J-11015/219/2015-IA.II (M)]
21.4.2.1	M/s Sharda Sales Corporation has made online application vide File no. F. No. J-11015/219/2015-IA.II (M) seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under ‘A’ category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.
21.4.2.2	<p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Project description:- The Proposal of M/s Sharda Sales Corporation is for Mining of Ball Clay, Red & Yellow Ochre from Jai Singhdesar Ball Clay, Red & Yellow Ochre Mine for Total Excavation 1,67, 309 per annum (TPA)[including 1,00,000 of Ball Clay, Red & Yellow Ochre, Waste, O.B, Inter Burden, Top Soil etc.] from mining lease area 129.50 located at Villages Jai Singhdesar, Tehsil Nokha, District Bikaner, State Rajasthan by M/s Sharda Sales Corporation. 2. Project Description:- The proposal of M/s Sharda Sales Corporation is for production of 0.10 Million Tonne per annum (MTPA) of Ball Clay, Red & Yellow Ochre from - Jai Singhdesar Ball Clay, Red & Yellow Ochre Mine - (ML Area 129.50 Ha, located at M.L. No.18/83, at Villages Jai Singhdesar Tehsil Nokha District Bikaner, State Rajasthan. The mining lease is located on Survey of India Topo-sheet no.45F/2. The area is bounded between the coordinates Latitude 27°41'23.22” N to 27°42'16.32”N and Longitude 73°08'40.68”E to 73°09'10.2”E. 3. Category of the Project (Refer cluster certificate if applicable):- The said project/activity is covered under category ‘A’ of item ‘1(A) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee. 4. Violation Details & Sectorial EAC/SEAC Comment:- The mining lease was granted in 1985 and lease period was valid from 11.10.1985 to 10.10.2005. However, the PP has enhanced the production from 2008 to 2012 without EC hence it is a violation case. EC neither EIA Notification, 1994 nor EIA Notification, 2006 and mine is operating since 1991. Further, the mining lease period was extended by a period of 4 years 5 months 24 days with effect from 28.07.2008. Now according to Sec 8A (6) of the Mines and Minerals (D&R) Amendment Ordinance, 2015 the lease period is valid till 21.01.2043. 5. Application (Form-1 & PFR):-This is old case and old application was made online vide proposal no. IA/RJ/MIN/63233/2015, for Term of References (ToR) in terms of provision of the Ministry’s Notification S.O 804 (E) and submitted Form-1 and PFR . The proposed project activity is covered under ‘Schedule ‘1’ of EIA Notification, 2006 and is a category ‘A’. 6. Details of Minerals: The minerals are Ball Clay, Red & Yellow Ochre. Now, they come under minor category , but before 2006 they were of major category. 7. Letter of Intent (LoI)/Mining Lease Details:-This is an old opencast mine, the mining lease for which was granted vide order No. F-1 (82)/Khan/Gr.2/84 dated 02.02.1985 for a period of 20 years. The validity of the lease was upto 10.10.2005.

In the mean time the mining lease was cancelled by the Department of Mines and Geology, Government of Rajasthan, vide its order 10.07.2001. The possession was taken back by the State Government on 18.07.2001.

The validity of period of mining lease was extended by 4 years 5 month 24 days under the orders of the Hon'ble Rajasthan, High Court.

According to Section 8A (6) of MMR, amendment act, 2015 the validity of mining lease has been extended upto 21. 1.2043(order No. 18/ Dated 16.02.2015 issued by the DMG, Govt. of Rajasthan).

8. **Method of Mining & Mining Plan Details:** The Mining Plan was approved by DMG videLRNo. SME/BKN/CC/2012/2966, dated 10.07.2012. After the expiry of the Mining Plan including Progressive Mine Closure Plan period, another Mining Scheme including Progressive Mine Closure Plan covering the period 2017 to 2022 for a targeted production of 1,00,000 TPA of Ball Clay, Red and Yellow Ochre has been approved by the Superintending Mining Engineer, Bikaner Circle, Bikaner, vide letter no. SME/BKN/CC-111/M.S./M.L.-18/83-4016, dated 20.11.2017. According to that the method of mining shall be Semi Mechanized opencast.

9.

- No Drilling & Blasting Operations will be carried out at the mine.
- The height and width of the benches will be maintained at 6.0 m and 6.0 m, respectively. The ultimate depth of the pit will be 19.0m from the surface. The ultimate pit slope will be 80°. The ground water table will not be intersected in the course of mining.

Type of Dump	No. of Dump	Area	Capacity
Top Soil Dump	Nil	Nil	Nil
Waste Dump	2	1.8030 ha	0.04667

- There is no proposal of installing crushers/screen/beneficiation plants at the mine.

- Land use as per mining plan at the end of plan period and at conceptual stage is tabulated below:-

S. No.	Particulars	Existing	Plan Period	Conceptual Stage
1.	Excavation/Trench	2.4900	5.60	13.450
2.	Storage	0.000	0.000	0.000
3.	Overburden	1.85	1.850	0.990
4.	Mineral Storage	1.0	1.00	-
5.	Infrastructure (Workshop, administrative, building, etc.)	0.0200	0.020	00.020
6.	Mine Road	1.1450	1.1450	1.1250
7.	Total occupied area	6.5050	9.6150	14.460
8.	Greenbelt/Plantation	2.2500	0.000	3.540
9.	Tailing ponds	0.000	3.2500	11.210
10.	Effluent Treatment Plant	0.000	0.000	0.000
11.	Mineral separate Plan	0.000	0.000	0.000
12.	Township area	0.000	0.000	0.000

13.	Other specify	0.000	0.000	0.000
14.	Total lease area	129.500	129.50	129.50

9. Other Waste Generation-None

10. Land Use (Forest/Agricultural/Waste):-

- The total lease hold covers 129.50ha waste land.
 - (i)Govt. Revenue waste land-52.8 Ha.
 - (ii)Private land.- 76.7 Ha
 - (iii) Agriculture land-Nil
- There are no water bodies within the lease area.

11. Details of past production since inception of mine authenticated by DMG–

Table of past production in word format prepared with reference to DMG–

Year	Actual production (MTPA)
11.10.91 to 10.10.92	13,587.00
11.10.92 to 10.10.93	11,818.00
11.10.93 to 10.10.94	Nil
11.10.94 to 10.10.95	Nil
11.10.95 to 10.10.96	Nil
11.10.96 to 10.10.97	Nil
11.10.97 to 10.10.98	Nil
11.10.98 to 10.10.99	Nil
11.10.99 to 10.10.2000	Nil
11.10.2000 to 18.7.2001	Nil
19.7.2001 to 27.7.2008	Lease area was in possession with State Govt.
28.7.2008 to 27.7.2009	7066.637
28.7.2009 to 27.7.2010	13,182.200
28.7.2010 to 27.7.2011	13,152.00
27.7.2011 to 27.7.2012	13450.00
28.07.2012 to 31.12.2012	13450.00
01.01.2013 to 31.03.2013	Nil
01.04.2013 to 31.03.2014	Nil
01.04.2014 to 31.03.2015	Nil
01.04.2015 to 31.03.2016	Nil
01.04.2016 to 31.03.2017	Nil

12. Applicability of General Condition & Status of SEIAA:No Wildlife Sanctuaries or Habitats for any Specific Wildlife exits within 10 km radius of the ML area.

13. Aravali Zone:- . The lease area don't fall within Aravli range or Doon Valey project/Western Ghats/Eco-Sensitive area. A certificate issued by the mining Engineer, Bikaner attached as annexure No. 5.

14. Project Cost & Employment:

- i. Project Cost-50.0 Lac
- ii. Employment:-40 person
- iii. Education:-2.0 lac.
- iv. Skill deployment:-1.0 lacs
- v. Health care:-1.50 lacs

21.4.2.3

Observations and recommendations of committee:

PP along with consultant made the presentation before the committee. EAC based on the information furnished noted that PP has not taken prior EC as per EIA Notification 1994 and further PP has enhanced the production of 11818 M.T (base year 1992-93 as production during

the year 1993-94 was Nil) in 2009-10; 2010-11; 2011-12 without prior EC as per the EIA notification 2006 hence violation EIA notification 1994 & 2006. **The EAC, after detailed deliberations on the information presented by the PP, recommended for issuing Standard Term of Reference** along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

1. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.
2. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
3. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
4. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
5. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
6. One season base line data of all the environmental attributes shall be collected and incorporated in EIA/EMP report
7. Public Hearing (PH) has been conducted on dated 29.09.2017 for the 1,00,000 TPA of production capacity covering all the issues, committee felt that one time PH as per the order of Hon'ble High Court of Madras has already taken care and hence repeat PH is not required.
8. Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
9. Mine plan approved by Indian Bureau of Mines to be submitted.
10. DGMS permission is to be submitted for blasting at project site, if any.
11. The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
12. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.

	<p>13. In case of violation of undertaking submitted by way of affidavit as per the common cause judgment, the ToR/Environmental Clearance shall be liable to be terminated forthwith.</p> <p>14. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.</p> <p>15. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.</p> <p>16. As per the provisions of the EIA Notification, 2006 amended on 15.01.2016, mineral wise (Ball Clay, Red and Yellow Ochre) DSR shall be submitted.</p> <p>17. Certificate from the DMG that no mining activity involved outside mining lease area.</p> <p>18. A detail about Economic benefit derived due to violation is to be submitted.</p> <p>19. QCI/NABET certificate from consultant during the period of earlier BLD (2015) collection and PH held during September 2016.</p>				
21.4.3	Expansion of Grain based Distillery from 25 KLPD to 60 KLPD at Sy. No. 284 (B), Subhash Nagar, Village Gaurgaon, Taluka Kallamb, District Osmanabad (Maharashtra) by M/s Adlers Bio-Energy Limited - Terms of Reference [F. No. J-11011/422/2011-IA.II(I)]				
21.4.3.1	M/s Adlers Bio-Energy Limited has made online application vide file no. F. No. J-11011/422/2011-IA.II(I) seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as general condition applies.				
21.4.3.2	PP did not attend the meeting.				
21.4.4	Expansion of Selected Dhori Group of mines from 2.25 MTPA to 11 MTPA (peak) in Tehsil Bermo, District Bokaro, Jharkhand by M/s Central Coalfields Limited - Further consideration for Environmental Clearance [IA/JH/CMIN/68525/2017 dated 27.08.2018] [F. No. 23-80/2018-IA.III]				
21.4.4.1	M/s Central Coalfields Limited has made online application vide proposal no. IA/JH/CMIN/68525/2017 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006.				
21.4.4.2	<p>Details of the project as per the submission of project proponent:</p> <table border="1"> <thead> <tr> <th colspan="2">PROJECT DETAILS</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Name of the project Selected Dhori Group of Mines (11.00 MTPA/264.85 Ha)</td> </tr> </tbody> </table>	PROJECT DETAILS		1.	Name of the project Selected Dhori Group of Mines (11.00 MTPA/264.85 Ha)
PROJECT DETAILS					
1.	Name of the project Selected Dhori Group of Mines (11.00 MTPA/264.85 Ha)				

2.	Name of the Company, Address Tele No. & E-mail	CCL Central Coalfields Limited Darbhanga House, PO- Ranchi Dist : Ranchi, Jharkhand PIN-834001
3.	Latitude and Longitude of the project	230 45' to 230 48' N 860 02' to 850 03' E
4.	If a Joint venture, the names & addresses of the JV partners including their share	Not Applicable. It is a project of Central Coalfield Limited.
5.	Details of coal linkage	Transportation of coal from mine to CHP by covered tipping trucks and then to adjacent railway siding.
6.	Whether the project is in the Critically Polluted Area (CPA)	No
7.	Cost of the project	197.71 Cr.
8.	Employment generated/to be generated	The project has given a boost to the economy of the area by providing primary and secondary employment to local people. The infra-structural facilities provided by the project is benefitting local villagers also. Several activities have been taken up under CSR for the social empowerment of local villagers. The standard of living of the local inhabitants has improved significantly due to indirect employment and service opportunities.
9.	Benefits of the project	<ul style="list-style-type: none"> • Improvements in Physical Infrastructure • Improvements in Social Infrastructure • Increase in Employment Potential • Contribution to the Exchequer • Meet energy and steel sector requirement • Productive utilization of existing manpower of project
10.	Whether new or expansion project.	Expansion
i.	If expansion from ..MT to MT	2.25 MTPA to 11.0 MTPA
ii.	What is the % of expansion	

11.	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006.	No.
12.	If expansion, please indicate the number and date of the certified Compliance Report of Regional Office of the MoEF	Yes, vide letter no.- 103-9/EPE/2695 dated 30.10.2018
13.	No. and Date of the ToR /and revised ToR, if any, letter issued by the MoEF (if this is a case for EC)	EAC granted ToR vide F.No: 23-80/2018-IA(III) dt. 29.06.2018
14.	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	EC granted vide letter no. J-11015/4/89-IA.II(M) dated 24.01.1992.
15.	If the project was considered in EAC, Pl. give dates of the meeting (s).	Yes. EAC granted ToR vide F.No: 23-80/2018-IA(III) dt. 29.06.2018
16.	Type of Mine: (Open cast/Underground/mixed)	Opencast Project.
17.	Capacity of the mine applied for	11.00 MTPA
18.	ML Area	
	i. As per block allotment	
	ii. As per approved mine plan	Project Area for present proposal 264.85 Ha.
19.	Date of approval of mine plan, mine closure plan, status & date	Mining plan and Mine Closure Plan of 11 MTPA & 264.85Ha was approved by CCL Board in its 450th meeting on 27.12.2017.
20.	Date of Board's approval	27.12.2017
21.	Date of Ground water clearance	Applied for NOC.
22.	Date of mine closure approval	Mining plan and Mine Closure Plan was approved by CCL Board in its 450th meeting on 27.12.2017.
23.	Any river/Nallha flowing near or adjacent to the proposed	Project boundary is bounded by <ul style="list-style-type: none"> • Damodar river (HFL -206.31 above MSL) in the south

	mine. If yes, please give details.	<ul style="list-style-type: none"> Tisri Nala (HFL- 206.28 above MSL) in the west
II..	II. TECHNICAL DETAILS	
24	Geological Reserve:	
i	Total geological reserve	112.07 MT
ii.	Mineable reserve	12.32 MT
iii.	Extractable reserve	-do-
iv.	Per cent (%) of extraction	100%
v.	Range of ground water level	Pre Monsoon: Core Zone- 3.63 m Buffer zone-5.20 m Post Monsoon: Core Zone- 1.96 m Buffer Zone- 3.83
vi.	Total estimated water requirement:	Potable Water Demand: 580 m3/day Industrial Water Demand: 2095 m3/day Total water Demand: 2679 m3/day
25	Details of Seams	
i.	No of seams	Combined Karo group of Seam (X-VI)
ii.	Thickness of seams to be worked	0.17 – 69.28 m
iii.	Grade of coal	Grade F
iv.	Stripping ratio	0.247 (Say 0.25)
v.	Category of Gaseousness	NA

vi.	Average gradient	7 to 12 deg
vii.	Maximum thickness of seams	69.28 m
26.	Method of mining	Opencast
27.	Life of mine	2 years
28.	Whether ambient air quality seasonal data has been documented. If so, from which season to which season and whether the results are within the prescribed limits	Yes, ambient air quality data has been documented in Post-monsoon season of 2018 in Chapter III and all results are within prescribed limit.
29.	Whether the certificate of compliance of earlier EC from MoEF Regional Office has been obtained, if the proposal is for expansion.	Yes, vide letter no.- 103-9/EPE/2695 dated 30.10.2018
30.	Details of O.B.	
i.	External OB dumps	Nil
ii.	No of OB dumps	NA
iii.	Area	NA
iv.	Height	NA

v.	Quantity	NA				
vi.	Year of backfilling	NA				
31	Details of Internal Dumps					
i.	Number of internal dumps	01				
ii.	Area	173.06 Ha				
iii.	Height	25-35 m AGL				
iv.	Quantity.	3.04 M.cum (for 2 years of Life)				
32	Details of final Mine Voids					
	Area	38.53 Ha				
	Depth	Void 1: 30 to 40 m BGL and Void 2: 60 m BGL.				
33	Details of Quarry					
i.	Total quarry area	211.59 Ha				
ii.	Backfilled quarry area	173.06 Ha				
34	LANDUSE DETAILS					
	Post-Mining:	Land Use	Plantation	Water Body	Public Use	Total
		Excavation / quarry	173.06	38.53	0	211.59
		Infrastructure (Roads, Colony/Office)	0	0	23.50	23.50
		Green Belt	21.96	0	0	21.96
		Tisri Nala and Safety Zone	0	7.8	0	7.8
		Total	195.02	46.33	23.50	264.85

	Core Area(Proposed Land Use)	Sl. No	Land Use	Area (in Ha)		
				Forest	Non-Forest	Total
		1	Quarry Area	183.35	28.24	211.59
		2	Infrastructure like W/S, Haul Road, Colony, etc	23.5	0	23.5
		3	Safety Zone/ Green Belt and Tisri Nala	5.38	24.38	29.76
			Total	212.23	52.62	264.85
35	Details of Forest issues					
i.	Total forest area involved (in ha) for mining	212.23 Ha				
ii.	Status of Forest Clearance	<ul style="list-style-type: none"> • 143.05 Ha of Forest land has been diverted vide letter no 8-122/90-FC, dt. 01-07-1996 • 69.183 Ha of forest land has been diverted vide letter no 8-69/2004-FC, dt. 02-03-2009. 				
iii.	Is there any National Park, eco-sensitive Zones, within 10 km radius? If so, give the details	None				
iv.	If the project is within 10 KM of radius of the wild life sanctuary, whether the Wild Life Management Plan has been prepared and approved. If so, pl give the status, date of approval with the budgetary provision.	Not applicable				
v.	Extent of forest land in the project (including safety zone and all types of forest land) (in ha)	212.23 Ha				
vi	Total forest land for which Stage-1 FC is available (give area in ha), provide breakup	Stage II is available for total forest land of 212.23 Ha within the proposed project area.				

	of this area in following format:	
vii	Balance forest land for which Stage-1 FC is not available (give area in ha)	Nil
vii i.	Details of wild life issues involved, if any. If so, whether WL management plan has been prepared and pl. indicate the status	Not applicable
36	Cost of the project	
i.	Total capital Cost	197.71 Cr (As on April. 2018)
ii.	Cost of Production	Rs. 500 to Rs.1077 /tonne at 100% production level.
iii.	Sale Price	Around 1500 rs./tonne
iv.	CSR cost	The fund for the CSR should be allocated based on 2% of the average net profit of the Company for the three immediate preceding financial years or Rs. 2.00 per ton of Coal Production of previous year whichever is higher.
v.	R&R cost	102.59 Lakhs
vi.	No of PAFs	R&R for 50 PAFs of the project area was carried out as per CIL Policy.
vii	Environmental Management cost	807.5 Lakhs
37	Details of transportation of coal	
i.	In pit	Dumpers
ii.	Surface to siding	From tripping truck through road
iii.	Siding to loading	Pay Loaders
38	Details of reclamation	
a.	Total Afforestation	

	plan shall be implemented covering of mining. This will include	
i.	Reclaimed external OB dump (in ha)	NA
ii.	internal dump (in ha)	173.06 Ha
iii.	Green belt (in ha)/ Safety Zone Ha	Green belt - 21.96 Ha
iv.	Density of tree plantation (in no of plants)	2500 per Ha proposed
v.	Void (in ha) at a depth of (in m)which is proposed to be converted into water body	38.53 Ha
vi.	Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).	23.50 Ha
III	LEGAL ISSUES	
39.	Pl give details , if the Proposal is under any investigation	No
40.	Any court cases pending. If so, please provide a list with details as annexure	No
41.	Any violation cases pending. If so, please	No

	provide a list with details as annexure	
IV.	PUBLIC HEARING ISSUES	
43.	Date and Place of public hearing	The Public Hearing for Selected Dhori GoM was held on 27.08.2016 at Dhori Area. The issues raised in the PH include plantation, employment, arrangement of drinking water, skill development programme for the youth etc.
44.	Issues raised during Public Hearing and assurance given along with the financial provisions, if any, by the project proponent (Please attach as an annexure in a tabular form.)	
V.	Consultant	
45.	Name of the consultant who prepared the EIA/EMP report	CMPDIL
46.	Whether the consultant has been accredited by the QCI and NABL and whether it is accredited with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) as per the MoEF OM dated 2nd December, 2009	Yes. Accreditation Certificate no: NABET/EIA/1720/RA 0092 Dt.28.05.2018
VI.	IMG of Ministry of Coal	
47.	Whether the project was considered by the IMG of Ministry of Coal for any irregularities. If so the no. and date of the show cause notice and the response of the MoC.	Not Applicable

<p>21.4.4.3</p>	<p>Observations and recommendations of committee of 12thEAC meeting held on held on 28th-29th August 2018:</p> <p>The EAC during the meeting observed that project proponent has requested vide letter dated 03.08.2018 to the Ministry for amendment in the ToR letter issued on 29.06.2018 regarding waive off Public Hearing (PH) as it was conducted on 27.08.2016 and valid on the date of submission of EIA/EMP report to the Ministry. PP therefore, requested to appraise the project for Environmental Clearance considering the earlier Public Hearing.</p> <p>The EAC, noted that PH has been conducted on dated 27.08.2016 covering all the issues, Committee felt that one time PH as per the order of Hon'ble High Court of Madras has already taken care and hence repeat PH is not required in the instant case. Hence committee agreed to waive off PH condition in ToR letter issued on 29.06.2018. However, committee after detailed presentation made by the PP observed the following shortcomings in the EIA/EMP report, hence <i>recommended to defer the proposal</i> for want of submission of following information:</p> <ul style="list-style-type: none"> (i) Submission of basic information for EC as per Performa relevant to the coal sector (ii) Latest certified compliance report from the regional office of MoEF&CC. (iii) Declaration from QCI/NABET consultant in EIA report. (iv) Indexing of all the chapters in EIA/EMP report. (v) Copy of MoU with other accredited laboratory for carrying out base line studies. (vi) Collection of one season (3 months) base line data (vii) Hydrological studies as per GEC 2015 guidelines to be prepared and submitted. (viii) NOC from CGWA for ground water withdrawal. (ix) Revised water balance needs to be prepared and submitted. (x) Copy of stage- I Forest Clearance. (xi) Revised land use plan to be submitted. (xii) Base line health status of villagers within 5 km of lease area. (xiii) Stage wise mining plans to be incorporated in EIA/EMP report. (xiv) Provision of STP for residential colonies and The EIA/EMP shall provide details of compliance to National Building code and other MOEF guidelines related to colony buildings. (xv) Year wise green belt plan to be prepared with cost and type of species. (xvi) Preparation of damage assessment and remediation plan as chapter 13 in the EIA report and as per notification dated 14/03/2017. (xvii) Details of R&R to be incorporated in the EIA/EMP report. (xviii) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report. (xix) Revised EIA/EMP to be prepared and submitted by incorporating all the above points and also as per the generic structure of EIA notification, 2006. (xx) Certificate of Ground water clearance from CGWA. (xxi) Copy of approved mining plan. (xxii) Filled in FORM-2 along with above points.
<p>21.4.4.4</p>	<p>Observations and recommendations of committee of 17thEAC meeting held on held on 29th-31st January 2019:</p>

PP along with the consultant CMPDI, made the detailed presentation on the sought information of the 12th EAC meeting held on 28th-29th August 2018. EAC after detailed deliberation on the information submitted and presented by the PP, **recommended to defer** the proposal for want of submission of following information:

- (i) Proponent was advised to generate scenario for air quality changes during the violation stage (production increase from 2.25 to 6 MTPA) considering both coal as well as OB excavated from the mine. Consultant was advised to generate scenario for the total excavation, validate the scenario and then rework on quantification of air quality for Violation scenario as well as proposed expansion. AQUIP modeling with calculation sheet and predicted GLC of PM₁₀&PM_{2.5} for existing 2.25 MTPA and proposed expansion of 11 MTPA coal and 3.08 million of OB.
- (ii) Water consumption is very high in all the areas and has a lot of scope to reduce and conserve the same.
- (iii) Discharge water quality and the location to be submitted. (both upstream and downstream analysis)
- (iv) Points observed during the site visit by the subcommittee is to be addressed.
- (v) Compliance is to be obtained from regional office MoEF for the noncompliance of existing EC conditions.
- (vi) Revised water consumption considering controlled measures and the revised colony consumption as per norm shall be submitted with revised water balance.
- (vii) PM₁₀/PM_{2.5} values are very high and a detailed mitigation measure is to be submitted.
- (viii) Discharge water quality and the location to be submitted. (both upstream and downstream analysis).
- (ix) Geological reserve 112.07 MLT whereas mineable reserve 12.31 MLT – please clarify. (Very low MR).
- (x) Stripping ratio and total OB does not tally.
- (xi) Submit progressive mine production plan month wise for the first year of 11 million tones and the action plan to achieve
- (xii) Pre-mining land use under column 20,21,22 and final void under column 11,12,13,14 and OB dumps / internal dumps does not tally (Form 2).
- (xiii) Green belt has to be considered along Damodar River, water bodies and boundary and surrounding colony hence the plan has to be revised.
- (xiv) Back filling of 173 hectares with 3.4 MBCM of OB is not clear.
- (xv) Nearest distance of water body from the mine working shall be submitted in the plan.
- (xvi) No. of dumps in EIA is mentioned as 2 and in form-2 as 1. Please clarify.

	<p>(xvii) Progressive Stage plan of mining and inpit filling with cross sections for the first year and second year considering the removal old dumps also.</p> <p>(xviii) Land use shall be reconciled and resubmitted both pre and post.</p> <p>(xix) Colony area and population detail is to be submitted.</p> <p>(xx) Report of controlled blasting technique and subsequent DGMS approval.</p> <p>(xxi) Refer table 4.6 safety zone nalla sites, railway siding shall also be covered with green belt and plantation and hence revised land use plan shall be submitted.</p> <p>(xxii) Describe alternate mining technology and justify the proposed method.</p> <p>(xxiii) Mostly complaints in public hearing is about dust and plantation and blasting vibration cracks. Please submit the action plan in a tabular form with the budgetary provision.</p> <p>(xxiv) Proof for credible action initiated under section 19 of EP Act.</p> <p>(xxv) The budgetary estimate for damage assessment shall be revised accordingly with a 3-year action plan to be resubmitted on the following points.</p> <ul style="list-style-type: none"> • The Air quality impact prediction should be reassessed for 6.76 MTPA peak production without control measures and remediation shall commensurate with the same should be supported by isopleth and the impact on nearby habitations etc., The predicted values even without considering the OB handling is almost nearing the threshold value in colony and village which needs a dynamic remediation budget. • Damage by surface runoff and effective treatment of mine water sumps have to be reassessed by remediation measures suitably. • ETP has to be redesigned and the damage occurred so far has to be remediated. • Details of STP for the colony with water balance and the budgetery provision commensurate with the population shall be submitted • Details waste treatment and disposal in compliance with SW RULES 2016 shall be submitted. • LULC of the area pre 2000 and present shall be submitted with analysis and remediation accordingly. • Occupational health status needs to be reworked and submitted and the budget for remediation shall be reworked and likewise ecology. • Natural community resource augmentation plan needs to be reworked considering the non-provision of STP, compliance to SW2016 rules and national building code,the damage caused due to dumping solid waste of all categories and their action of covering it in the dumps of the colony needs reassessment remediation budget including energy conservation measures. The budget for provision of the above shall also be submitted.
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21.4.4.5	<p>Observations and recommendations of committee of 20th EAC meeting held on 28th-29th March 2019</p> <p>PP along with the consultant made the detailed presentation on all the queries raised by the EAC in 17th EAC meeting held on 29-31 January, 2019. EAC after detailed deliberation defer the proposal for want of following information:</p> <ul style="list-style-type: none"> (i) Submission of Air Pollution Control Measure at workshop (ii) (ii) Submission of exiting greenbelt details and proposed revised green belt details. (iii) Submission of revised water balance statement showing present consumption and proposed consumption. (iv) Length of existing of toe wall and garland drain constructed and proposed to be constructed. (v) Submission of final mine close plan. (vi) Time bound action plan for noncompliance, partially complied and assure to complied earlier EC condition as per report of RO MOEF&CC. (vii) Details about Economic benefit derived due to violation. (viii) Submission of revised assessment of ecological damage, remediation plan and natural and community resource augmentation plan
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21.4.4.6	<p>Observations and recommendations of committee in the present meeting:</p> <p>PP along with the consultant made the detailed presentation on the additional information sought in the earlier EAC meeting held on 28th -29th March, 2019. The Committee after detailed deliberations on the sought additional information and based on the documents furnished by the project proponent, observed that PP has submitted Remediation plan and Natural and Community Resource Augmentation plan of Rs 514.50 lakhs. PP was advised by the EAC to revise the same as suggested along with the revised additional proposed control measures with timelines, revised water demand, action plan for mitigation of Nickle concentration in ambient air.</p> <p>EAC recommended the proposal for grant of Environmental Clearance subject to submission of the reply in soft copy by email to all the EAC members. PP circulated the detailed reply to all the EAC members. EAC recommended the revised Remediation plan and Natural and Community Resource Augmentation plan of Rs 14090.00 lakhs as submitted by the PP. Further PP submitted the hard copy of the same to the Ministry.</p> <p>In view of above EAC recommends this proposal for environmental clearance subject to the following specific conditions in addition to all standard conditions applicable for open cast coal mines projects:</p> <ol style="list-style-type: none"> 1. EAC recommended for an amount of Rs 14090.00 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details are given below: <p>➤ Action Plan for Damage Remediation Plan (Rs in Lakhs):</p>
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Sl N O		Activity Proposed	Year 1 (Rs in lakhs)	Year 2 (Rs in lakhs)	Year 3 (Rs in lakhs)	Total in Rs. (Rs in lakhs)
1	Water Environ ment	Construction of check dam across Tisri Nallah for ground recharge and other	40	60	0	100

		community purposes				
2		Rainwater Harvesting by construction & beautification of ponds, wells etc. in nearby villages	30	30	40	100
Total Water Environment						200
1	Ecology	Plantation in nearby villages along community buildings & barren lands (20 villages)	20	40	40	100
Total Ecological Environment						100
1	Air & Noise Environment	Additional Health Camps to monitor the respiratory and health status of nearby villages (20 villages * 2 Camps/Year * Rs 2 Lakh)	26	27	27	80
2		Road Sweeping Machine for nearby villages (5 Machines * Rs 55 Lakhs)	0	275	0	275
Total Air & Noise Environment						355
1	Land Environment	Community Solid waste collection bins in 20 villages	0	15	15	30
2		Providing colour coded bins in schools, hospitals etc (100 Numbers)	2	2	1	5
Total Land Environment						35

1	Socio-Economic	Establishment of 5 Kayakalp schools for peripheral villages and corpus for sustainability of educational initiatives	0	1920	2880	4800
Total Socio-Economic Environment						4800
Total Cost						5490

➤ **Action Plan for Natural Resource Augmentation Plan ((Rs in Lakhs)**

SI No	Activity Proposed	Year 1 (Rs in lakhs)	Year 2 (Rs in lakhs)	Year 3 (Rs in lakhs)	Total (Rs in lakhs)
1	Drinking Water Facility (Construction of bore wells with pressure filters and water towers) in 20 villages	1000	1500	1500	4000
Total					4000

➤ **Action Plan for Community Resource Augmentation Plan (Rs in Lakhs)**

SI No	Activity Proposed	Year 1 (Rs in lakhs)	Year 2 (Rs in lakhs)	Year 3 (Rs in lakhs)	Total (Rs in lakhs)
1	Establishment of Sports and Educational Complex				
	a. Establishment and operation of a Sports Academy (Archery, shooting, swimming, athletics, cycling, boxing & Hockey)	0	1520	2280	3800

b. Construction of School for sports academy cadets and other students	0	320	480	800
Total cost				4600

- Summary of Damage Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan

SN	Activity Proposed	Total (Rs in Lakhs)
1	Cost of Damage Remediation Plan	5490
2	Natural Resources Augmentation Plan	4000
3	Community Resources Augmentation Plan	4600
Total		14090

2. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 14090/- lakhs**.
3. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 14090/- lakhs/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
4. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
5. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 145.00 lakhs/- to be implemented as per the details submitted in the Ministry.
6. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
7. The PP shall submit the proof of credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986 to the MoEF&CC prior to the grant of EC.
8. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
9. State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

	<p>10. PP shall obtain re -certification from concerned regional office of the MoEF&CC based on action taken report for closing the noncompliance of earlier EC conditions.</p> <p>11. Automatic water sprinkling system shall be installed at crusher house.</p> <p>12. Effective dust suppression system shall be adopted along the railway siding area and between villages.</p> <p>13. Fabric wind barrier shall be established along the Railway Siding and between villages.</p> <p>14. STP of adequate capacity shall be established in the township.</p> <p>15. Solid waste management as per SWM rules 2016 shall be complied within their colony.</p> <p>16. Energy conservation measures adhering to part of ECBC norms shall be complied with.</p> <p>17. Green belt is to be developed along project boundary, Tisri Nala, crusher ,railway siding and pit office in an area of 21.96Ha.</p> <p>18. Geotexturing technology shall be implemented for the dumps with suitable plantation.</p> <p>19. Periodical health checkup shall be conducted to monitor the impact of heavy metals present in core zone & buffer zone air quality and also to prepare an action plan to reduce heavy metals concentration and also report to be submitted to concerned regional office of MoEF&CC.</p> <p>20. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.</p>						
<p>21.4.5</p>	<p>Expansion of Karo Opencast Coal mining project from 1.5 to 15 MTPA (peak) and setting up Karo Washery of 7 MTPA by M/s Central Coalfields Limited in a total area of 552.84 ha, located at villages Karo, Amlo, Kargali &Baid Karo, District Bokaro, Jharkhand - Further consideration for Environmental Clearance</p> <p>[IA/JH/CMIN/74033/2018 dated 27.08.2018] [F. No. 23-69/2018-IA.III]</p>						
<p>21.4.5.1</p>	<p>M/s Central Coalfields Limited has made online application vide proposal no. IA/JH/CMIN/74033/2018 seeking Environmental Clearance for the above mentioned proposed project. The proposed project activity is covered under ‘A’ category of item 1(a) of the Schedule to the EIA Notification.</p>						
<p>21.4.5.2</p>	<p>Details of the project as per the submission of project proponent:</p> <table border="1" data-bbox="319 1713 1396 1915"> <tr> <td colspan="3" data-bbox="319 1713 1396 1758">I. PROJECT DETAILS</td> </tr> <tr> <td data-bbox="319 1780 391 1825">1</td> <td data-bbox="391 1780 901 1825">Name of the Project</td> <td data-bbox="901 1780 1396 1915">Karo Expansion OCP (15 MTY) & Integrated Karo Washery (7 MTY)</td> </tr> </table>	I. PROJECT DETAILS			1	Name of the Project	Karo Expansion OCP (15 MTY) & Integrated Karo Washery (7 MTY)
I. PROJECT DETAILS							
1	Name of the Project	Karo Expansion OCP (15 MTY) & Integrated Karo Washery (7 MTY)					

2	Name of the Company, Address, Tele No & E-mail	Darbhanga House ,Central Coalfields Limited PO : Ranchi Distt. : Ranchi (Jharkhand) Telephone : + 91-651-2360184 E-mail: envcccl@yahoo.com
3	Latitude and Longitude of the Project	Latitude : 230 47' 02'' N to 230 48' 38'' N Longitude: 850 57' 27'' E to 850 58'38'' E
4	If a joint venture, the names & Addresses of the JV Partners including their share	NA
5	Details of Coal linkage	It is proposed to transport coal from mine to Karo washery, Kargali washery and railway siding which is at a distance of 6.5 km through covered conveyor belt system
6	Whether the project is in the Critically Polluted Area (CPA)	No
7	Cost of the Project	1626.92 for Karo Expansion OCP & 269.88 for Karo Washery
8	Employment generated/ to be generated	Total direct employment to be generated against land acquisition is 133. Out of which 113 PAPs have already been provided with direct employment. Further, this project will act as a major source of indirect employment for nearby villagers.
9	Benefits of the project	<ul style="list-style-type: none"> • Improvements in physical infrastructure • Improvements in social infrastructure and quality of life of people • Increase in employment potential • Contribution to the exchequer • Prevention of illegal mining • Post-mining enhancement of green cover and eco-restoration

10	Whether new or Expansion Project. If expansion: (i) fromMT toMT (ii) What is the % of expansion	Expansion From 1.5 MT to 15 MT
11	If for expansion, whether the application is under 7(ii) of the EIA Notification, 2006	No
12	If expansion, please indicate the number and date of the Certified Compliance Report of Regional Officer of MoEF.	Yes. Site inspection by RO MoEFCC has been carried out on 15.09.2018 and report submitted vide letter no: 103-477/ROR-2015/2698 Dated: 02.11.2018.
13	No. and Date of the ToR/and revised ToR , if any, letter issued by the MoEF (if this is a case for EC)	TOR under violation was granted by EAC (Violation), MoEFCC on 17.07.2018 vide letter no F.No. 23-69/2018-IA(II)
14	No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent)	Karo OCP was granted environmental clearance for 1.50 MTPA capacity vide letter number J-11015/544/2009-IA.II(M) dated 24.12.2014.
15	If the Project was considered in EAC, Pl. gives dates of the meeting(s).	TOR under violation was granted by EAC (Violation), MoEFCC on 17.07.2018. Further the project was considered for EC in 12th EAC (Violation) meeting held on 28.08.2018 and in 17th meeting held on 29.01.2019
16	Type of Mine (Opencast/ Underground/ Mixed)	Opencast & Integrated Coal Washery
17	Capacity of the mine applied for	15 MTY for Karo Expansion OCP & 7 MTY for Integrated Karo Washery
18	ML Area (i) As per approved mine plan	552.84 Ha
19	Date of approval of mine plan, mine closure plan, status & date	Mining Plan and Mine closure plan of Karo Expansion OCP (11/15 MTPA) and Integrated Washery (7 MTPA) was approved by CCL Board on 10.06.2016

20	Date of Board's Approval	10.06.2016 of Karo Expansion OCP (11/15 MTPA) and Integrated Washery (7 MTPA)
21	Date of Ground water clearance	Application for NoC was submitted to CGWA for ground water withdrawal vide letter no 21-4/314/JH/MIN/2018 on 29.10.2018.
22	Date of mine closure approval	10.06.2016
23	Any river/ Nallaha flowing near/ adjacent to the proposed mine. If yes, please give details.	Karo nala and Gati nala – flowing within the boundary

II. TECHNICAL DETAILS

24	Geological Reserve	
i	Total Geological Reserve	127.21 MT
ii	Mineable Reserve	105.17 MT
iii	Extractable Reserve	105.17 MT
iv	Percent (%) of extraction	100%
v	Range of ground water level	1.76 m to 8.55 m (pre-monsoon) 1.19 m to 7.05 m (post-monsoon)
vi	Total estimated water requirement	(i) Potable Water Demand : 490 m3/day (ii) Industrial Water Demand : 3970 m3/day (2380 for coal mines +1590 m3/day for Washery)

25	Details of Seams:	Seam VI/VII combined, VIII, VI/VII/VIII Combined, IX, X and XI																
i	No. of Seams	6 seams																
ii	Thickness of Seams to be worked on	<table border="1"> <thead> <tr> <th rowspan="2">Seam / Parting</th> <th>Quarry -I</th> <th>Quarry -II</th> </tr> <tr> <th>Thickness Range</th> <th>Thickness Range</th> </tr> </thead> <tbody> <tr> <td>Bermo</td> <td>12.27</td> <td></td> </tr> <tr> <td>Parting</td> <td>13.64</td> <td></td> </tr> <tr> <td>Local</td> <td>0.44-0.76</td> <td></td> </tr> </tbody> </table>			Seam / Parting	Quarry -I	Quarry -II	Thickness Range	Thickness Range	Bermo	12.27		Parting	13.64		Local	0.44-0.76	
Seam / Parting	Quarry -I	Quarry -II																
	Thickness Range	Thickness Range																
Bermo	12.27																	
Parting	13.64																	
Local	0.44-0.76																	

		Parting	4.55-5.51	
		XI	0.91--2.51	0.98 -3.14
		Parting	22.75-33.86	19.85-24.44
		X	10.57 -12.85	10.33-14.80
		Parting	0.91-11.21	1.64 -22.0
		IX	3.11 -4.77	2.56 -5.38
		Parting	0.38 -4.34	0.62 15.86
		VI/VII /VIII	24.12-36.25	
		VIII		12.65 -20.85
		Parting		0.84 -6.15
		VII /VI		9.40 -18.51
iii	Grade of Coal	W-IV, II		
iv	Stripping ratio	0.86		
v	Category of gaseousness	Not Applicable		
vi	Average gradient	60-80 for Quarry I & 80-100 for Quarry II		
vii	Maximum Thickness of seams	36.25		
26	Method of mining	Surface Miner in coal and Shovel-Dumper combination in OB.		
27	Life of mine	12 Years for Karo OCP and 15 Years for Karo Washery		
28	Whether ambient air quality seasonal data has been documented. If so, from which season to which season and whether the results are within the prescribed limits.	Yes. Seasonal ambient air quality data has been documented for the post monsoon period 2015 (17/10/2015 – 16/01/2016). Further, as desired by EAC (Violation), baseline revalidation has been done for one month during the period (16.09.2018 – 15.10.2018).		
29	Whether the certificate of compliance of earlier EC from MOEF Regional Office has been obtained, if the proposal is for expansion.	Yes. Site inspection by RO MoEFCC has been carried out on 15.09.2018 and report submitted vide letter no: 103-477/ROR-2015/2658 dt 2.11.2018.		

30	Details of O.B	
i	External OB dumps	2
ii	No of OB dumps	1 for Quarry I & 1 for Quarry II
iii	Area	38 Ha for Quarry I & 57.24 Ha for Quarry II
iv	Height	+340 m for Quarry I & +395 m for Quarry II
v	Quantity (in M Cm.)	10.68 Mcum for Quarry I & 23.45 Mcum for Quarry II
vi	Year of back filling	No re-handling of external OB dump proposed.
31	Details of Internal Dumps:	
i	Number of Internal dumps	2 (1 for Quarry I & 1 for Quarry II)
ii	Area	72.28 Ha for Quarry I & 88.25 Ha for Quarry II
iii	Height	+280 m for Quarry I & +310 m for Quarry II
iv	Quantity	19.37 Mcum for Quarry I & 36.88 Mcum for Quarry II
32	Details of final Mine Voids	
i	Area	135.21 Ha
ii	Depth	125 m for Quarry – I & 110 m for Quarry - II
33	Details of Quarry	Not Applicable
i	Total quarry area	295.75 Ha
ii	Backfilled quarry area of Ha. shall be reclaimed with plantation	160.54 Ha
iii	A void of ha. at a depth of m which is proposed to be converted into a water body	A void of 135.21 ha. at a depth of 125-100 m which is proposed to be converted into a water body
34	Details of Land usage	Land Use During Mining

LAND USE DETAILS		SI no	Particulars of land (Area Ha)	Forest	Non-Forest	Total
		1	Quarry	185.07	110.68	295.75
		2	External OB dump-	24.73	13.27	38.00
			External OB dump-	5.00	52.24	57.24
		3	Infrastructures	36.77	8.31	45.08
		4	Road, Top soil dump, nala	52.53	32.72	85.25
		5	Res. colony*	0.00	5.00	5.00
		6	Conveyer to Kargali Washery/ siding *	7.50	19.02	26.52
		Total Land Required		311.60	241.24	552.84
i	Pre-mining	Data as per Satellite Imagery				
		Classes			Core Zone	
		Level-I	Level-II	Area (Km2)	% of Total	
		Forest Land	Dense Forest	0.66	11.96	
			Open Forest	1.02	18.48	
			Total Forest Land	1.68	30.43	
			Scrubs	1.19	21.56	
		Plantation Area	Social Forestry	0.16	2.90	
			Plantation on OB	0.11	1.99	
			Plantation on Backfill	0.12	2.17	
			Total Plantation Area	0.39	7.07	
		Agriculture Land	Crop land	0.00	0.00	
			Fallow Land	0.58	10.51	
			Total Agriculture Land	0.58	10.51	
		Waste Land	Waste Land	0.64	11.59	
			Sand Body	0.00	0.00	
			Fly Ash Pond	0.00	0.00	

				Barren Rocky Land	0.00	0.00	
				Total Waste Land	0.46	8.33	
			Mining Area	Coal Quarry	0.38	6.88	
				Barren OB Dump	0.29	5.25	
				Back Fill	0.14	2.54	
				Coal Dump	0.08	1.45	
				Water Filled Qry	0.03	0.54	
				Total Mining Area	0.92	16.67	
			Settlements	Urban Settlements	0.19	3.44	
				Rural Settlements	0.06	1.09	
				Industrial Settlements	0.03	0.54	
				Total Settlement Area	0.28	5.07	
			Water Body	River/ Ponds	0.02	0.36	
				Total Area	5.52	100.00	

ii Post- mining

		LAND USE DURING MINING		POST MINING LAND USE	
S	N	Land use during mining	Total Area (Ha)	Post-mining land use	Total Area (Ha)
1	Quarry	295.75		Plantation on backfilled area	160.54
				Void Filled with Water	135.21
2	External OB dump-1	38		Plantation on External OB Dump	95.24

			External OB dump-2	57.24		
			3 Infrastructures	45.08	CCL use	45.08
			4 Road, nala diversion, green belt/vacant land & safety zone	85.25	Road in public use	4.4
					Nallah	3.3
					Green belt (10 to 30 m wide)	24.2
					Undisturbed	53.35
			5 Residential colony*	5	Public use	5
			6 Conveyer to Kargali washerly*	26.52	CCL use	26.52
			Total Land Required	552.84		552.84
	iii	Core area	Total 552.84 Ha (Non-forest land- 241.24 Ha. Forest land- 311.6 Ha)			
		Details of Forest Issues				
	i	Total Forest area involved (in ha.) for mining	311.6 Ha forest land involved			
	ii	Status of Forest Clearance	<ul style="list-style-type: none"> • FC granted for 77.43 ha forest land diverted vide letter number: F.No.8-22/2003- FC Dated 31st March 2004. • FC Stage I granted for 226.67 ha forest land on 24.12.2018. • Stage I for diversion of 7.50 Ha. of land for Conveyer to Kargali Washery/ siding is under process. 			

iii	Is there any National park, Eco-sensitive zones, within 10 km. radius? If so, give the details	No						
iv	If the project is within 10 Km of radius of the wild life sanctuary, whether the Wild Life Management Plan has been prepared and approved. If so, pl. give the status, date of approval with the budgetary provision.	No						
v	Extent of Forest land in the project (including safety zone and all types of Forest land) (in ha.)	311.60 Ha forest land involved						
vi	Total Forest Land for which Stage-I FC is available (give area in ha.), provide breakup of this area in following format:							
<table border="1"> <thead> <tr> <th data-bbox="453 1149 624 1196">Area (in ha)</th> <th data-bbox="624 1149 1287 1196">Stage-1 FC issued vide letter no. & date</th> </tr> </thead> <tbody> <tr> <td data-bbox="453 1196 624 1243">77.43 Ha</td> <td data-bbox="624 1196 1287 1243">F.No.8-22/2003-FC Dated 31st March 2004.</td> </tr> <tr> <td data-bbox="453 1243 624 1290">226.67 Ha</td> <td data-bbox="624 1243 1287 1290">F.No: 8-25/2009-FC Dt 24.12.2018.</td> </tr> </tbody> </table>			Area (in ha)	Stage-1 FC issued vide letter no. & date	77.43 Ha	F.No.8-22/2003-FC Dated 31st March 2004.	226.67 Ha	F.No: 8-25/2009-FC Dt 24.12.2018.
Area (in ha)	Stage-1 FC issued vide letter no. & date							
77.43 Ha	F.No.8-22/2003-FC Dated 31st March 2004.							
226.67 Ha	F.No: 8-25/2009-FC Dt 24.12.2018.							
vii	Balance Forest land for which Stage-I FC is not available (give area in ha.)	7.50 Ha						
viii	Details of wild life issues involved, if any. If so, whether WL management plan has been prepared, pl. indicate the status.	No Wild life issues involved.						
35	Cost of the Project:							
i	Total Capital Cost:	Rs. 1626.92 Crs for Karo Expansion OCP & Rs. 269.88 Crs for Karo Washery						
ii	Cost of production:	Rs. 700.76						
iii	Sale Price:	Rs. 1239.88						
iv	CSR Cost:	The fund for the CSR should be allocated based on 2% of						

			the average net profit of the Company for the three immediate preceding financial years or Rs. 2.00 per ton of Coal Production of previous year whichever is higher.
	v	R&R Cost:	Rs. 1274.40 lakhs
	vi	No of PAFs:	360 PAFs would be rehabilitated in initial stage of mine operation to achieve targeted production.
	vii	Environmental Management Cost	Rs. 17958.59 lakhs
	36	Details of transportation of Coal	Raw coal by conveyor, Washed coal & Reject also by covered belt Conveyor.
	i	In pit:	Covered conveyor
	ii	Surface to siding:	Covered conveyors to the Kargali Washery Railway siding & Karo Washery
	iii	Siding to loading	Covered conveyor
	37	Details of reclamation:	
	a	Coal Afforestation plan shall be implemented covering of mining. This will include:	
	i	Reclaimed external OB dump (in ha):	95.24 Ha
	ii	Internal dump (in ha),	160.54 Ha
	iii	Green belt (in ha)	24.2 Ha
	iv	Density of tree plantation (in no. of plants)	2500 per ha
	v	Void (in ha.) at a depth of (in m) which is proposed to be converted into water body	135.21 Ha
	vi	Others in ha. (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located out side the lease etc.)	

III. LEGAL ISSUES		
38	Pl. Give details, if the proposal is under any investigation	No
39	Any court cases pending. If so, please provide a list with details as annexure	No
40	Any violation cases pending. If so, please provide a list with details as annexure	No
IV. PUBLIC HEARING ISSUES		
42	Date and Place of Public Hearing	05.01.2016, Officers Club, B & K , Kargali, Bokaro
43	Issue raised during Public Hearing and assurance given along with the financial provisions and action plan, if any, by the project proponent. (Please attach as an annexure in tabular form)	
V. Consultant:		
44	Name of the consultant who prepared the EIA/EMP report	By Central Mine Planning and Design Institute Ltd. (CMPDIL), Ranchi as per TOR issued and observations made by EAC in its 12th meeting held on 28.08.2018 and on 17th meeting held on 29.01.2019
45	Whether the consultant has been accredited by the QCI and NABL and whether it is accredited with Quality Council of India(QCI)/ National Accreditation Board of Education and Training (NABET) as per the MOEF OM dated 2nd December, 2009.	Yes. Accreditation Certificate no: NABET/EIA/1720/RA 0092 Dt.28.05.2018
VI. IMG of Ministry of Coal:		
46	Whether the project was considered by the IMG of Ministry of Coal for any irregularities. If so the no. and date of the show cause notice and the response of the MoC.	Not Applicable
21.4.5.3	Observations and recommendations of committee of 12thEAC meeting held on held on 28th-29th August 2018: The EAC during the meeting observed that project proponent (PP) has requested vide letter dated 03.08.2018 to the Ministry for amendment in the ToR letter issued on 17.07.2018	

regarding waive off public hearing as it was conducted on 05.01.2016 and valid on the date of submission of EIA/EMP report to the Ministry. PP therefore, requested to appraise the project for Environmental clearance considering the earlier Public Hearing.

The EAC, noted that Public Hearing (PH) has been conducted on dated 05.01.2016 covering all the issues, Committee felt that one time PH as per the order of Hon'ble High Court of Madras has already taken care and hence repeat PH is not required in the instant case. Hence committee agreed to waive off Public Hearing (PH) condition in ToR letter issued on 17.07.2018

However, committee after detailed presentation made by the PP observed the following shortcomings in the EIA/EMP report, hence *recommended to defer the proposal* for want of submission of following information:

- (i) Submission of basic information for EC as per the performa relevant to the coal sector
- (ii) Latest certified compliance report from the regional office of MoEF&CC.
- (iii) Declaration from QCI/NABET consultant in EIA report.
- (iv) Indexing of all the chapters in EIA/EMP report.
- (v) Copy of MoU with other accredited laboratory for carrying out base line studies.
- (vi) Validation of base line data with one-month monitoring as data submitted in the EIA is two years old.
- (vii) Hydrological studies as per GEC 2015 guidelines to be prepared and submitted.
- (viii) NOC from CGWA for ground water withdrawal.
- (ix) Revised water balance needs to be prepared and submitted.
- (x) Integrated impact assessment of mine and coal washeries on environmental attributes.
- (xi) Copies of stage- I Forest Clearance.
- (xii) Revised land use plan to be submitted.
- (xiii) Base line health status of villagers within 5 km of lease area.
- (xiv) Stage wise mining plans to be incorporated in EIA/EMP report.
- (xv) Provision of STP for residential colonies.
- (xvi) The colony construction shall comply National Building code, MSW RULES-2016, EC BC-2016, and other MOEF guidelines related to green belt, solar energy, rain water harvesting, etc.
- (xvii) Alternative technology available for coal washing and justification for selecting the present technology and also to submit proposal for reduction of tailings leading to size reduction of ponds and consequent leachate control measures to be detailed in the EIA/EMP.
- (xviii) Submit proposal for reduction of tailings leading to size reduction of ponds and consequent leachate control measures to be detailed in the EIA/EMP.
- (xix) Year wise green belt plan to be prepared with cost and type of species.
- (xx) Preparation of damage assessment and remediation plan as chapter 13 in the EIA report as per notification dated 14/03/2017.
- (xxi) Details of R&R to be incorporated in the EIA/EMP report.
- (xxii) Certificate of Ground water clearance from CGWA for mining operations and also permission from concerned authority for utilization water from GatiNala Check dam for washeries.

	<p>(xxiii) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.</p> <p>(xxiv) Revised EIA/EMP to be prepared and submitted by incorporating all the above points and also as per the generic structure of EIA notification,2006.</p> <p>(xxv) Copy of approved mining plan</p> <p>(xxvi) Filled in Form-2 along with above information.</p>
<p>21.4.5.4</p>	<p>Observations and recommendations of committee of 17thEAC meeting held on 29th-31st January 2019:</p> <p>PP along with the consultant CMPDI, made the detailed presentation on the sought information of the 12thEAC meeting held on held on 28th-29th August 2018. EAC after detailed deliberation on the information submitted and presented by the PP, <i>recommended to defer</i> the proposal for want of submission of following information:</p> <ol style="list-style-type: none"> 1. Proponent was advised to generate scenario for air quality changes during the violation stage considering both coal as well as OB excavated from the mine. Consultant was advised to generate scenario for the total excavation, validate the scenario and then rework on quantification of air quality for Violation scenario as well as proposed expansion. 2. Points observed during the site visit by the subcommittee is to be addressed. 3. Impact of Karo Nallah diversion on catchment area and its discharge in River. 4. Water quality of Karo Nallah and its impact on River water quality after discharge River stretch for its quality from upstream to downstream from discharge point of Karo nallah with river should be monitored. 5. Air quality modeling for complete expansion including waste is to be reworked by PP including prediction of impact with and without control measures. 6. Permission from CGWA and statutory authority for drawl GW as well as Surface water from the river is to be obtained. 7. Compliance is to be obtained from Regional office MoEF for existing noncompliance of EC conditions. 8. Details of water requirement under column 15 and waste water management under column 16 do not clearly tally (Form 2). 9. Pre mining land use and post mining land use under 20,21 & 22 shall be clarified especially difference between private land and revenue land and govt. land. Present status of R&R (Form 2). 10. Geological reserves not mentioned (Form 2). 11. Final void under column 12 & 16 should be reconciled (Form 2). 12. Pros and Cons of alternative mining technology shall be enumerated and submitted. 13. Pros and cons of alternative technology for coal beneficiation and the advantages of the selected technology over others.

	<ol style="list-style-type: none"> 14. Submit Monthly production plan for the first 5 years how it can be achieved to the peak of 15MTPA since the expansion is a 10 fold increase. 15. The rectification plan for the existing workings shall be submitted. 16. The diversion and beautification of Karo nalla with design details and the protective measures shall be submitted. 17. Relocation of Karo Pond to other place with all the features like site selection criteria and the construction details including water treatment details shall be submitted. 18. The present community Karo pond is in a highly polluted stage and the plan for immediate remediation shall be submitted with budgetary estimate. 19. Controlled blasting technique with DGMS approval shall be submitted since habitation are in close proximity. 20. Provision of Suitable STP and solid waste management for the colony with zero waste concepts with budgetary estimates shall be submitted besides compliance to national building code and ECBC 2007. 21. Improving catch drains, Toe drains and walls shall be with proper construction and periodical desilting program shall be submitted. 22. Slope stability study report for the dumps and as well as the quarry shall be submitted. 23. Proof for credible action initiated under section 19 of EP Act 24. The budgetary estimate of damage assessment shall be revised accordingly with a 3-year action plan to be resubmitted on the following points: <ul style="list-style-type: none"> • Cost of damage assessment proposed by PP, must not include EMP cost. PP is advised to properly revise budget for damage assessment by rearranging the environmental components (ecology, soil management, dust control, dump management etc.). • Damage Assessment and Remediation: The Air impact assessment shall consider handling of OB, infill dumping apart from peak production of 1.95 MTPA coal reworked and submitted without and with control measures and remediation towards without control measures. • LULC analysis pre and post mining and the remediation plan. • Damage and relevant remediation budget calculation for utilization of surface and ground water without approval so far during the violation period with quantity • Community and natural resources augmentation plan shall be revised accordingly.
21.4.5.4	<p>Observations and recommendations of committee of 20thEAC meeting held on 28th -29th March, 2019</p> <p>PP along with the consultant made the detailed presentation on all the queries raised by the EAC in 17th EAC meeting held on 29th-31st January 2019. EAC after detailed deliberation recommended to defer the proposal for want of following information:</p> <ol style="list-style-type: none"> (i) Submission of Control of Measure to bring the air quality within stipulated standards. (ii) Status of Stage-I Forest Clearance for diversion of 7.50 Ha of land for conveyer belt.

	<ul style="list-style-type: none"> (iii) Submission of Minutes of Stage-I Forest Clearance regarding the said proposal involves inclusion of coal Washery land also. (iv) Length of existing of toe wall and garland drain constructed and proposed to be constructed. (v) Submission of Details Energy Conservation measures and use of Solar Power. (vi) Submission of Declaration. (vii) Time bound action plan for noncompliance, partially complied and assure to complied earlier EC condition as per report of RO MOEF&CC. (viii) Details about Economic benefit derived due to violation. (ix) Submission of revised assessment of ecological damage, remediation plan and natural and community resource augmentation plan
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21.4.5.5

Observations and recommendations of the committee in the present meeting held on 15-16th April 2019:

PP along with the consultant made the detailed presentation on the information sought in the **20thEAC meeting held on 28th -29th March, 2019**. The Committee after detailed deliberations on the sought additional information and based on the documents furnished by the project proponent, observed that PP has submitted Remediation plan and Natural and Community Resource Augmentation plan of Rs 473 lakhs. PP was advised by the EAC to revise the same as suggested along with the Undertaking regarding External dump not under Forest Area, Revised CER Plan and Budgetary Provisions, Action taken on RO Compliance Report. PP was advised to submit these details during the meeting today itself, if possible, for further deliberation and necessary action.

Accordingly, PP submitted the revised Remediation plan and Natural and Community Resource Augmentation plan of Rs 487.204 lakhs during the meeting and same was deliberated by the EAC. After detailed deliberation EAC recommended a cost Rs. of 487.00 lakhs to be invested by PP towards Remediation plan and Natural and Community Resource Augmentation plan.

In view of above, EAC **recommended** the proposal for Environmental clearance of **Expansion of Karo Opencast Coal mining project from 1.5 to 15 MTPA (peak) and setting up Karo Washery of 7 MTPA for grant of Environmental Clearance** subject to the following specific conditions in addition to all standard EC conditions applicable for open cast coal mines and coal washeries:

1. EAC recommended for an amount of Rs 487.204 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details are given below:

➤ **Cost of Remediation plan (Rs in Lakhs)**

S. No		Activity Proposed	Year 1 (Rs in lakhs)	Year 2 (Rs in lakhs)	Year 3 (Rs in lakhs)	Total (Rs in lakhs)
1	Water Environment	Construction of check dam across diverted Karo nala for ground recharge and other community purposes	0	60	30	90
2		Restoration and beautification of existing wells and water	10	5	5	20

		bodies in the vicinity of villages (Amlo, Charakpania, Kurpania, Kargali village etc)				
3		Additional Water Sampling for analysis of Ground water and Surface water at nearby 4 villages (Amlo, Charakpania, Kurpania, Kargali village etc)	1.168	1.168	1.168	3.504
Total Water Environment						113.504
1	Ecology	Additional plantation in near by villages (Amlo, Charakpania, Kurpania, Kargali village etc)	22	4	4	30
2		Distribution of fruit bearing Saplings like Amla, Guava, Mango, Lichi etc. to nearby villagers (10000 nos)	3	3	4	10
3		Development of Nursery for raising samplings, training and distribution and to nearby villagers	0	0	25	25
Total Ecological Environment						65
1	Air & Noise Environment	Provision for construction of metaled road (Approx 1.56 km)	0	28	28	56
2		Additional avenue Plantation and maintenance in subsequent years along transportation road and other village roads adjacent to project boundary	19.5	3.35	3.35	26.20
3		Additional Health Camps to monitor the respiratory and E&T health status of nearby villages	2	1	1	4
4		Providing wind curtains with fabric dust filters and other control measures along the Kargali PO Office, washery office and other industrial buildings.	5	5	3.9	13.9
Total Air Environment						1,00.1
1	Land Environment	Collection and Disposal of municipal solid waste from CCL colonies (Karo Colony, Jawahar Nagar & Subhash Nagar)	0.5	0.5	0.5	1.5

2		Providing colour coded bins in schools, hospitals etc (5 Numbers)	0.6	0	0	0.6
3		Plantation in vacant/open spaces in nearby villages for prevention of soil erosion (1100 saplings)	1.1	0.2	0.2	1.5
Total Land Environment						3.6
1	Socio-Economic	Additional Skill development training programme to the unemployed youth	10	5	5	20
2		Construction of additional community toilets for nearby villages (4 numbers)	5	2.5	2.5	10
3		Organizing additional Sports and cultural festivals	1	0.5	0.5	2
4		Additional awareness programs on Environmental protection	1.5	1.5	2.0	5
Total Socio-Economic Environment						37
Total Fund for damage remediation measures						319.204

➤ **Action Plan for Natural Resource Augmentation plan (Rs in Lakhs)**

SN	Activity Proposed	Year 1 (Rs in lakhs)	Year 2 (Rs in lakhs)	Year 3 (Rs in lakhs)	Total (Rs in lakhs)
1	Community level RO plants for safe drinking water	0	0	50	50
2	Providing solar lamps along the roads and supply of Solar lights to households in nearby villages (100 Nos Approx.)	0	10	10	20
3	Training/Workshop on advance agriculture/irrigation practices	1	1	1	3

Total	73
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➤ **Action Plan for Community Resource Augmentation plan**

SN	Activity Proposed	Year 1 (Rs in lakhs)	Year 2 (Rs in lakhs)	Year 3 (Rs in lakhs)	Total (Rs in lakhs)
1	Repair and maintenance of roads in nearby villages	5	5	5	15
2	Development of green belt along streams, ponds etc	5	5	10	20
3	Providing Communities toilet in nearby villages/school / communities (6 nos)	15	15	0	30
4	Laying of pipeline/ infrastructure for clean water supply to nearby communities/villages	0	20	10	30
Total					95

➤ **Summary of Damage Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan**

SN	Activity Proposed	Total (in Lakhs)
1	Cost of damage/remediation with respect to ecological aspects	319.204
2	Natural Resources Augmentation Plan for three years	73
3	Community Resources Augmentation Plan for three years	95
Total		487.204

2. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is **Rs. 487.204 lakhs**.
3. Therefore, project proponent shall be required to submit a bank guarantee of an amount of **Rs. 487.204 lakhs/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
4. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory

authority.

5. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 475.00 lakhs/- to be implemented as per the details submitted in the Ministry.
6. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
7. The PP shall submit the proof of credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986 to the MoEF&CC prior to the grant of EC.
8. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
9. State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
10. The environmental clearance will be issued only after submission of the stage I forest clearance by the proponent for 7.5 ha forest land for conveyor belt to Kargali Washery.
11. External OB dump should be limited to the non-forest area alone..
12. PP shall obtain re-certification from concerned regional office of the MoEF&CC based on action taken report for closing the non-compliance of earlier EC conditions.
13. Effective control measures to be taken to control air pollution near mine offices.
14. Periodic Health risk assessment to be done in and around project.
15. Garland drain (6.16 km) and toe wall (5.3 km) shall be constructed.
16. Project proponent shall take other necessary clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
17. The proposed Karo pond at new location shall be constructed with a cost of Rs. 20.0 lakhs as proposed with proper mitigation measures.
18. Coal washery shall be constructed in compliance to the provisions of factories act 1957 and other relevant legislations made their under.
19. The maximum production from the coal washery shall not exceed the limit prescribed in the EC.
20. Water conservation measures like demisting, dry fogging, efficient recovery of process water during different stages of operations shall be ensured.

	<p>21. Alternative proposal of using filter press technology for the middling and the rejects shall be worked out.</p> <p>22. Zero liquid discharge concept shall be implemented in Coal Washery.</p>
21.4.6	<p>Construction of residential township for 5.6 MTPA Integrated Steel Plant at Bhushan Steel Limited in District Dhenkanal (Odisha) by M/s Bhushan Steel Ltd. - Re-consideration for Terms of Reference</p> <p>[IA/OR/IND/68669/2017 dated 13.09.2017] [F. No. 23-128/2018-IA.III (V)]</p>
21.4.6.1	<p>M/s Bhushan Steel Ltd has made online application vide proposal no. IA/TG/MIN/68669/2017 dated 13.09.2017 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under ‘A’ category of item 3(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
21.4.6.2	<p>Details of the project as per the submission of project proponent:</p> <p>The project involves construction of residential cum commercial complex (Residential township with total build up area of 146577 sqm in a total plot area of 201964 Sqm at <u>Narendrapur</u>, village <u>Narendrapur</u>, Taluka/Mandal <u>Odapada</u> District : Dhenkanal, (Odisha) by M/s Tata Steel BSL Ltd (formerly Bhushan Steel Limited)</p> <p>The project site is permitted for residential cum commercial use as per approved Master Plan of the area. Planning /building permission for built up area of 146577 sqm was obtained from the TAMDA (Talcher –Angul- Meramandali Development Authority) vide letter No.985BP/TAMDA dtd. 11.05.2017</p> <p>The said project/activity is covered under category B of item 8(a) of the Schedule to the EIA Notification, 2006, and requires prior EC from the MoEF & CC/SEIAA based on the appraisal by Expert Appraisal Committee or the State Expert Appraisal Committee.</p> <p>The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under:-</p> <ol style="list-style-type: none"> 1. Application for EC was submitted to SEAC-III/SEIAA in Odisha :- 06.02.2014 2. Final observations/recommendations of The SEAC to the SEIAA/ State Government :- The project has already started construction without obtaining prior Environmental Clearance. Vide letter dated 15th April’ 2017, SEIAA communicated to the Company to apply online for EC at central level as per MoEF Notification dated 16th March, 2017 as regard to grant of EC for violation cases. 3. Action taken by the State Government /SEIAA :- The Environment Department of the State Government vide letter August, 2014 issued directions u/s 5 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006, which were replied by the project proponent on 25th August, 2014. The State Government, after taking note of the submissions of the project proponent, confirmed the directions u/s 5 of the EP Act, 1986 on 13th February, 2015, with the directions to stop the construction work till EC is obtained from the competent authority. SEIAA directed the then management to suspend further

construction and to submit a written resolution in form of commitment to ensure that violation will not be repeated.

4. **Complaint case filed by the State Government/State Pollution Control Board :-** Show cause notice was issued by the Collector & District Magistrate under section 16(1) read with section -19 of the Environment protection Act-1986 & section 7(ii) of Environment Impact Assessment notification 2006.
5. **Further consideration of the proposal by the SEAC and recommendations :-** Vide letter No. 2813/SEIAA, dtd.15.04.2017, SEIAA directed to file application for EC at central level from MoEF & CC.
6. **Final recommendations of SEIAA :-** Vide letter dated 15th April' 2017, SEIAA communicated to the Company to apply online for EC at the central level as per MoEF Notification dated 16th March, 2017 as regard to grant of EC for violation cases.
7. **Legal interventions, if any :-** Only show cause notices were issued by the Collector & District Magistrate, Dhenkanal and the Member Secretary, Orissa State Pollution Control Board, those were satisfactorily replied with. There has been no legal interventions.

Now the proposal has been submitted for consideration in pursuance to the Ministry's Notification dated 14th March, 2017 due to violation of the EIA Notification, 2006.

The construction was reported to be started in 2008 and 75% of the buildup area was completed by December, 2012 without obtaining the prior EC. Now the proposal has been submitted to the Ministry for consideration in pursuance of the Ministry's Notification dated 14th March, 2017 due to violation of the EIA Notification, 2006.

Observations and recommendations of committee of 8th EAC meeting held on 13-14 June 2018:

Project treated as an integrated project of steel manufacture and residential complex within 1 km of the plant. Potential impact of the steel industry on the residential colony is required to study. Though, it is a project for construction of residential project, it will be treated as a category 'A' project and hence public hearing will be required in instant case

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended for issuing Term of Reference as per the Annexure along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP): -

- (i) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion.
- (ii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- (iii) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an

environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

- (iv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- (v) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- (vi) The PP is required to conduct public hearing as per EIA notification, 2006.
- (vii) Certified compliance report of Earlier EC conditions to be submitted
- (viii) Project proponent should carry out impact assessment study regarding pollution impact of steel plant on the existing township
- (ix) For associated township of the project to be created or created must provide space for " PHYTO- GRAPHIC BARRIER" between the project and the township according to the predominant wind direction - A plan accordingly be prepared for the same and should be incorporated in the report.
- (x) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.

Observations and recommendations of present meeting held on 15-16 April 019

The EAC observed that present project was earlier treated as an integrated project of steel manufacture as residential complex is within 1 km of the plant. Though, it is a project for construction of residential complex it was treated as a category 'A' project. Accordingly ToR was recommended for the said project in the 8th EAC meeting held on 13-14 June 2018.

It was informed by the Member Secretary to the EAC-Violation that file was referred back to EAC-Violation on 01.04.2019 from Industry sector for further deliberation regarding applicability of projects under schedule 8 (a).

Matter was discussed in the present meeting and PP made aware to the committee that M/s Bhushan steel has been taken over by M/s Tata Steel Ltd and the name of the company changed to M/s Tata steel BSL Ltd w.e.f from 27.11.2018 and the same was approved by the Govt. Of India.

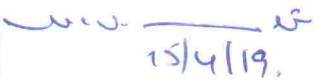
Now EAC after detailed deliberation defer the proposal for submission of following documents for further consideration of the proposal particularly name change issue and also considering the proposal under category 8(a).

1. Submission of relevant documents from Govt of India regarding name change.
2. Submission of application by the transferee with all the statutory documents required for the name change such as No objection by the transferor and undertaking from transferee that data furnished in the Form 1 application shall be abide by the transferee.

	<p>3. Certificate to be obtained from the R.O MoEF&CC whether it is an integrated residential complex or independent residential complex .</p>
<p>21.4.6.3</p>	<p>Observations and recommendations of committee of 8th EAC meeting held on 13-14 June 2018:</p> <p>Project treated as an integrated project of steel manufacture and residential complex within 1 km of the plant. Potential impact of the steel industry on the residential colony is required to study. Though, it is a project for construction of residential project, it will be treated as a category 'A' project and hence public hearing will be required in instant case</p> <p>The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended for issuing Term of Reference as per the Annexure along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP): -</p> <ul style="list-style-type: none"> (xi) The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate for expansion project to be issued till the project is granted EC for the expansion. (xii) The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority. (xiii) Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment. (xiv) Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation. (xv) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants. (xvi) The PP is required to conduct public hearing as per EIA notification, 2006. (xvii) Certified compliance report of Earlier EC conditions to be submitted (xviii) Project proponent should carry out impact assessment study regarding pollution impact of steel plant on the existing township (xix) For associated township of the project to be created or created must provide space for " PHYTO- GRAPHIC BARRIER" between the project and the township according to the predominant wind direction - A plan accordingly be prepared for the same and should be incorporated in the report.

	<p>(xx) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.</p>
<p>21.4.6.4</p>	<p>Observations and recommendations of present meeting held on 15-16 April 019</p> <p>The EAC observed that present project was earlier treated as an integrated project of steel manufacture as residential complex is within 1 km of the plant. Though, it is a project for construction of residential complex it was treated as a category 'A' project. Accordingly ToR was recommended for the said project in the 8th EAC meeting held on 13-14 June 2018.</p> <p>It was informed by the Member Secretary to the EAC-Violation that file was referred back to EAC-Violation on 01.04.2019 from Industry sector for further deliberation regarding applicability of projects under schedule 8 (a).</p> <p>Matter was discussed in the present meeting and PP made aware to the committee that M/s Bhushan steel has been taken over by M/s Tata Steel ltd and the name of the company changed to M/s Tata steel BSL Ltd w.e.f from 27.11.2018 and the same was approved by the Govt. Of India.</p> <p>Now EAC after detailed deliberation defer the proposal for submission of following documents for further consideration of the proposal particularly name change issue and also considering the proposal under category 8(a).</p> <ol style="list-style-type: none"> 4. Submission of relevant documents from Govt of India regarding name change. 5. Submission of application by the transferee with all the statutory documents required for the name change such as No objection by the transferor and undertaking from transferee that data furnished in the Form 1 application shall be abide by the transferee. 6. Certificate to be obtained from the R.O MoEF&CC whether it is an integrated residential complex or independent residential complex .

Members of the EAC for the proposal involving violation of EIA Notification, 2006 present during 21th meeting held on 15th-16th April, 2019 at MoEF&CC, New Delhi and approved the above minutes.

SI. No.	Name of the EAC member	Role/Designation	Signature
1.	Dr. S.R. Wate,	Chairman	
2.	Dr. G.V. Subrahmanyam	Member	
3.	Shri K Gowarappan	Chairman for this Meeting	
4.	Dr.A.L. Ramanathan	Member	
5.	Dr. M.V. Ramana Murthy,	Member	
6.	Dr.Dilip S. Ramteke,	Member	
7.	Dr. Poonam Kumria,	Member	
8.	Dr.Bharat Jain,	Member	
9.	Dr.Subrata Maity,	Member	
10.	Shri Ashok Agrawal,	Member	
11.	Shri Raghu Kumar Kodali	Member Secretary	