

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE, ODISHA HELD ON 07<sup>TH</sup> FEBRUARY, 2020**

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The SEAC met on 07<sup>th</sup> January, 2020 at 03:00 PM in the Conference Hall of Odisha State Pollution Control Board, Bhubaneswar under the Chairmanship of Sri. B. P. Singh. The following members were present in the meeting.

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

**A. CONSIDERATION OF OLD PROPOSALS (COMPLIANCE RECEIVED):**

**(I) PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR JURURI IRON & MANGANESE ORE MINES FOR ENHANCEMENT OF IRON ORE PRODUCTION TO 4.27 LAKH TPA ALONG WITH EXISTING CRUSHING UNIT OF PRIMARY CRUSHER (40 TPH) AND 2X12 TPH SECONDARY CRUSHER OVER MINING LEASE AREA 66.368 HA LOCATED AT VILLAGE(S) JAJANG & KHANDBANDH, TEHSIL - BARBIL, DISTRICT- KEONJHAR, ODISHA OF M/S TARINI MINERALS PVT. LTD. (UNDER VIOLATION CASE TOR GRANTED) – EC**

1. M/s Joruri Iron & Mn Ore Mines of M/s Tarini Minerals Pvt. Ltd over mining lease area 66.368 Ha applied for "enhancement of iron ore production to 4.27 lakh TPA along with existing crushing unit of Primary Crusher (40 TPH) and 2 X 12 TPH secondary crusher, located at Village(s) Jajang & Khandbandh, Tehsil- Barbil, District Keonjhar, Odisha.
2. The project proponent stated that, State Government granted mining lease over an area of 66.368 Ha in village Jajang and Khandabandh village, Keonjhar, district, Odisha and lease executed on 06.02.1990 for a period of 20 years in favour of Shri Niranjan Patnaik. The lease was transferred in favour of Tarini Minerals Private Limited and transfer lease deed was executed in the year 1995.
3. The project proponent stated that, the first RML was filed on 22.11.2008. As per Section 8A (3) of the MMDRA Act 2015, the lease is deemed to have been extended up to a period ending on the 5th February, 2040.
4. Further, Lessee had filed a writ petition before the Honorable High court of Odisha (WPC No: 995 of 2015) challenging the inaction of the State Government in implementing the MMDR ordinance 2015. State Government on 02.05.2015 declared the present lease lapsed with effect from 05.02.2012 u/s 4 A of MMDR Act 1957 read with rule 28(1) of MCR, 1960.
5. The project proponent informed that, Lessee filed amended writ petition bringing the impugned communication dated 2.5.2015. Hon'ble High court after allowing the amendment passed an order on 11.05.2015 and passed an interim direction that no coercive action to be taken in the mater relating to the show cause notice dated 28.04.2015 and order / communication dated 02.05.2015 till the next date of hearing. The matter is pending adjudication before the court. Mine is not in operation since Feb 2010 for want of statutes.

6. The project proponent informed that, the Hon'ble Supreme Court of India passed the order on 2nd August 2017 in the case of WP(C) No. 114 of 2014 i.e. Common Cause Vs Union of India and Ors deal with EC violation under E (P) Act 1986 (which is production without environmental clearance & exceeding the granted Environmental Clearance) and directed to State Govt. to raise the demand on the erring lessees in this regard and it should be paid before December 31st, 2017. The Lessee has paid the total demand amount i.e. ₹ 67,33,84,159/- on 30.12.2017.
7. The project proponent informed that, Modified Mining Plan for the 1st RML period got approved by IBM vide letter 314(3)/2011-MCCM (CZ)/MP-24 dated 27.12.2011. Next scheme of mining is submitted and awaiting for approval. Forest Diversion over an area of 15.068 Ha is obtained vide letter No.8-22/91- FC dated. 07.02.1992 and is valid up to 5th February 2040 as per circular/guideline of MoEF&CC, Govt. of India vide letter No. 11-51/2015-FC, dated. 01.04.2015. For the balance forest area, general approval accorded under section 2(iii), FC act 1980 as per the MoEF&CC, Govt. of India guidelines dated 1st April 2015. NPV of ₹ 4,84,48,640 lakhs paid for the entire forest land. Site specific wildlife conservation plan approved by the PCCF (Wild Life) & Chief Wild Life Warden.
8. Clearance from CGWA for drawl of 100 m<sup>3</sup>/day of water for the project is obtained vide letter no. 21-4(241)/CGWA/SER/2010-(77) dated 23.08.2010.
9. The project proponent informed & submitted that, TOR issued by MoEF&CC, Govt. of India vide letter No. J-11015/28/2007-IA.II (M), dated 18<sup>th</sup> January 2010. Draft EIA/EMP report was prepared & Public hearing for this project was held on 18th July 2012, for production of 4.27 lakh TPA (ROM) of iron ore along with crushing & screening facility over an area of 66.368 ha. Final EIA/EMP with other details was submitted at MoEF&CC, Govt. of India, New Delhi vide its letter dated 07.12.2012. Project was presented before EAC in its meeting held during 22nd – 24th July 2013.
10. The EAC, MoEF&CC, Govt. of India in its minutes of meeting asked for certain clarification to comply for its further consideration. The Lessee submitted the detail compliance vide its letter dated 23rd June 2014. Subsequently, this project was kept in abeyance for want of NEERI report. Later this project was considered as violation case based on the notification prevailing then.
11. Being a violation case, as per MoEF&CC, Govt. of India Gazette Notification dated 14.03.2017 & Office Memorandum No F. No. Z-11013/22/2017-IA.II (M) dated 16th March 2018, the project proponent submitted application to MoEF&CC, Govt. of India for consideration. Further, as per the latest MoEF&CC, Govt. of India, Gazette notification dated 14th August 2018, since the lease area is < 100 ha, this proposal comes under category "B" and this proposal is transferred from MoEF&CC, Govt. of India to SEIAA - Odisha.
12. The project proponent submitted that, Under E (P) Act 1986; the Department of Forest & Environment of Odisha Government through "Sub Divisional Magistrate, Champua" initiated legal action against Lessee u/s 19 of Environment (Protection) Act, 1986 for violation of the provisions of E.I.A. Notification 1994 / E.I.A. Notification 2006 and u/s 15 of the said Act by filing a case in the Court of the J.M.F.C., Barbil vide Case no.130 / 2013 dated 05.08.2013 and the case is sub-judice at the said Court. The project proponent submitted the Affidavit in compliance with the MOEF&CC, Govt. of India OM no. 3-50/2017-IA-III (Pt.) dated 30th May 2018.

13. The project proponent requested to issue specific TOR as per MoEF&CC, Govt. of India notification dated 14.03.2017 "for preparing an independent chapter comprising assessment of ecological damage, remediation plan and natural & community resource augmentation plan through accredited consultants" and for submitting the same along with the Final EIA / EMP report already prepared and submitted with the public hearing held on 18th July 2012 for grant of Environmental Clearance.
14. ToR was granted vide letter no. 1084/SEAC-174 on 14.12.2018. Since the public hearing was already conducted on 18th July 2012, public hearing was exempted.
15. The details of the past production figure duly authenticated by DDM, Joda is obtained dated 02.09.2017. In pursuance of the Supreme Court order dated 02.08.2017 in CWP no. 114/2014, the DDM, Joda has raised the demand notices no. 4134/Mines Dated 02.09.2017 and the project proponent has deposited Rs 67, 33, 84,159/- on 30.12.2017 in this regard. Net present value of Rs.4,84,48,640 was paid on 10.07.2010 in respect of 66.368Ha in favour of Compensatory Afforestation Fund (CAF), Odisha. The mining plan for the period 2019-20 was approved by IBM vide letter MS/FM/11-ORI/BHU/2019-20 with validity till 31.03.2020.
16. A compensatory afforestation scheme was prepared over equivalent non forest land of 5.5725Ha (non forest government land) in Fuljhar village, Telkoi Tehsil, Odisha. Besides, an area of 150.65 Acres (136.96 Acres in Putugaon village and 13.69Acres in Balita Village) in Barbil Tehsil, Odisha. The non-forest land allotted for raising Compensatory afforestation was transferred & mutated in favour of State Forest Department
17. FRA Certificate regarding compliance of scheduled tribes & other traditional Forest Dwellers (recognition of forest right) Act, 2006 in respect of diversion of forest land obtained from Collector, Keonjhar.
18. The mine lease area is located in latitudes 21° 56' 25.834" N – 21°56'55.468" N, Longitude: 85° 24' 35.204" E – 85 ° 25' 07.89"E. The project area is approachable from Joda or Palasponga road. Jaroli is the nearest railway station at 0.5km from the area and Banshapani lies about 1km from the area. Barbil is at a distance of 22km from the lease area. The nearest major airport is Bhubaneshwar airport which lies 195km-S. The area presents an undulating topography. The highest and lowest elevations are 620 m and 520 m above M.S.L. respectively. Highest altitude is towards north western corner of the lease area which slopes to southeast and southern sector of the area.
19. No ecologically sensitive features like national parks, biospheres, sanctuaries, elephant corridors, Tiger reserves, etc., occur in the 10km buffer zone of the project. The project area does not come under CRZ category. Karo - Karampada elephant corridor is located at about 12.7 km from the mine lease area.
20. Elephant, Sloth bear, Python and Monitor Lizard are placed under Schedule-I as per Wild Life (Protection) Act, 1972 is found in the Study area. The site specific Wildlife Conservation Plan has been prepared & got approved by PCCF (Wildlife), Chief Wildlife Warden, Odisha. The project has estimated cost of Rs. 110.0 Lakhs which includes Rs. 28.0 Lakhs for activities within project area and Rs. 82.0 Lakhs for activities within project impact area.
21. Baitarani R.F lies 2.0 Km (NW), Sidhamath R.F lies 5.0 Kms (NW) and Chamakpur 2.0(NE) of the lease area. There is no perennial nala within the ML area. One seasonal dry nala starts from 590 mRL in northern sector and flows down to through 520 mRL in the southern sector. Similarly, another seasonal nala which starts from 552 mRL in southeast sector passes through 530mRL in SE corner of the lease. Baitarani River is

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- flowing at 2 kms from the lease area in eastern side, Kunda Nala-5.1(NW), Kakarpani Nala-6.0(SW), Guruda Nala-3.1(SW), Dalka Nala-1.9(NE) lies in the buffer zone.
22. The total geological reserves are 12.299 Million Tonnes (ROM) and mineable reserves is 10.593 Million Tonnes (ROM). The mine will be operated with Open cast fully mechanized mining method. There are 3 iron ore quarries and one manganese quarry within the lease area, and 4 existing dumps. The life of the mine is 26 years.
  23. During the plan period, 12824.432MT of waste will be generated which will be used for road maintenance during 2019-20 and 19236.648 cum of sub-grade ore will be stacked separately. During the conceptual period, 549847cum of waste will be generated which will be used for backfilling of mined out land and 592259cum of subgrade ore will be stacked separately.
  24. The mining operations are carried out in the elevated area. The ultimate depth of the mine is proposed to be 515mRL. The water table in the nearby plain terrain at nearby village Jururi is indicating that the water level is encountering at RL 490m during summer and 495m during rainy season. Hence, the working will not intersect with the ground water level.
  25. It is proposed to establish crushing and screening units of 150TPH each. In this project, the man power is 84 persons on direct basis and more than 200 people on indirect basis.
  26. The total water requirement will be 500KLD comprising 300KLD for mining and allied activities, 50KLD for domestic use, and 150KLD for plantation and dust suppression. The source is ground water. In this regard permission has been obtained from CGWA for withdrawal of 500 cum/day of ground water vide File No. 21-4(241)/CGWA/SER/2010-1771 dated 23.08.2010.
  27. This mine is in operation since 1992 and the mining operations were stopped from 2010 onwards. An area of 28.586 Ha of land is already degraded / utilized for mining, dumping, road, green belt, etc. In the post mining stage, out of the total mined out land of 27.578Ha, an area of 2.856Ha will be reclaimed by means of backfilling and plantation and balance 24.722Ha will be reclaimed by means of bench plantation. Ultimately, even the infrastructures will be dismantled and reclaimed with plantation. In the post mining stage, out of total lease area, Greenery will be carried out in 39.417 Ha. Local native species in consultation with forest department will be used for plantation.
  28. The baseline study was carried out during the period from Dec 2018 - February 2019 and accordingly, final EIA Report was prepared as per data collected and as per ToRs issued vide letter no. 1084/SEAC-174, dated 14.12.2018 by SEAC, Odisha.
  29. The lessee has declared that they will follow the guideline / policy decision by the MoEF&CC, Govt. of India and State Govt., Odisha in regards to the implementation of the recommendations given by NEERI in its carrying capacity record in respect to Odisha.
  30. The point wise compliance to the NEERI conditions are given at page no. T-49 to T-72 of final EIA report submitted by the proponent.
  31. The remediation plan and the natural and community resource augmentation plan has been prepared as an independent chapter in the EIA report by the accredited consultants (i.e. Chapter – XI of final EIA report)

32. An amount of ₹ 87 lakhs has been estimated in the EIA / EMP report towards the cost of assessment of Environmental / Ecological damage due to violation as well as Natural and Community Resource Augmentation Plan.
33. The project proponent along with the consultant **M/s Creative Engineers & Consultants, Chennai-600 059** made a detailed presentation on 18.12.2019 before the SEAC on behalf of the project proponent. The committee decided to take decision on the proposal after the project proponent furnishes certain information / documents. The project proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
(i)	Submission of detailed calculation done in terms of money for compensation towards the various ecological damage and socio economic condition due to mining operations as calculation submitted in the EIA report is lower side. Backup calculation of cost assessment for Environmental Damage is also to be submitted.	<p>M/s Tarini Minerals (P) Ltd, while working in this lease prior to year 2010 were carrying out Scientific and systematic development of mines by preserving as well as improving the environmental conditions in and around the mining lease area. Only small scale mining operations with less production quantity of ore and waste was carried out.</p> <p><b>The proposed compensation cost towards the various ecological damage and socio economic is calculated Rs 87.00 Lakhs.</b></p> <p><b>The above cost is apart from CER proposed budget Rs. 136.00 lakhs and proposed environmental capital budget Rs 83.00 lakhs.</b></p> <p>The detail backup calculation of cost assessment has been furnished.</p>	Complied.
(ii)	The proponent has stated that they have already applied for Forest Diversion for entire lease area of 66.368 ha., which is under process. Present status of Forest Diversion along with copy of application submitted for Forest Diversion is to be submitted.	<p>Forest diversion proposal for entire lease area of 66.368 Ha applied under section 2 (ii) of FC Act, 1980 on 03.12.2019 with due compliance in PARIVESH.</p> <p>Presently proposal is under process at DFO, Keonjhar. The diversion proposal has been furnished.</p>	Complied
(iii)	The project proponent intimated that, Under E (P) Act 1986; the Department of Forest & Environment of Odisha Government through "Sub Divisional Magistrate, Champua" initiated legal action against Lessee u/s 19 of Environment (Protection) Act, 1986 for violation of the provisions of E.I.A. Notification 1994 / E.I.A. Notification 2006 and u/s 15 of the said Act by filing a case in the Court of the J.M.F.C., Barbil vide Case	<p>The case was filed in the Court of the J.M.F.C., Barbil vide Case no.130 /2013 dated 05.08.2013 and the case is sub-judice at the said court.</p> <p>The last hearing was held on 25.11.2019. The next hearing date is scheduled on 20.05.2020.</p> <p>The case detail with present status has been furnished.</p>	Complied

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	no.130 / 2013 dated 05.08.2013 and the case is sub-judice at the said Court. Copy of all the supporting documents in this regard is to be submitted.		
(iv)	Compliance to the demand raised by the public in the public hearing meeting held on 18th July 2012 is to be submitted.	The public hearing compliance which is already given in EIA/EMP has been furnished.	Complied

34. The SEAC observed the following:

- a) The proposal was considered by the State Level Expert Appraisal Committee (SEAC), Odisha in its meeting held on 05<sup>th</sup> December, 2018 for appraisal of the proposal for ToR in pursuance of the MoEF&CC, Govt. of India Notification dated 14<sup>th</sup> March, 2017. The SEAC, after deliberations on the proposal in terms of the provisions of the Notification dated 14<sup>th</sup> March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended for the following:
  - (i) The State Government 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 Environmental Clearance.
  - (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 Environmental Clearance. The quantum shall be recommended by the SEAC and finalized by the regulatory authority i.e. SEIAA, Odisha. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority i.e. SEIAA, Odisha.
  - (iii) Public hearing has already been conducted for the proposal earlier on 18th July 2012, a copy of which is also furnished with EIA/EMP. For this reason, conducting a fresh Public Hearing has been exempted.
- b) EIA/EMP study report has been prepared by a NABET Accredited / NABL Accredited Consultant namely **M/s Creative Engineers & Consultants, Chennai-600 059.**
- c) Detailed assessment of Ecological Damage, Remediation Plan and Natural and Community Resource Augmentation Plan has been incorporated in Chapter - XI of the EIA report.
- d) An amount of ₹ 87 lakhs has been estimated in the EIA / EMP report towards the cost of assessment of Environmental / Ecological damage due to violation as well as Natural and Community Resource Augmentation Plan.
- e) There is no specific guideline issued by the MoEF&CC, Govt. of India for assessment of Environmental and Ecological Damage as well as estimation of cost for remediation plan as well as Natural and Community Resource Augmentation Plan.
- f) In the absence of any guidelines, the cost as suggested by the proponent above to be taken into account for remediation plan as well as Natural and Community Resource Augmentation Plan. However, the proponent has to abide by the guidelines if issued by the MoEF&CC, Govt. of India in future and accordingly the proponent has to comply.

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- g) No record is available in the file about initiation of legal action against the project proponent by the State Govt./SPCB under the provisions of section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006.


After detailed discussion, the SEAC recommended for grant of Environmental Clearance for the project with the following specific conditions in terms of the provisions of the MoEF&CC, Govt. of India notification dated 14<sup>th</sup> March, 2017 in addition to the conditions stipulated as per Annexure – A. However, the Environmental Clearance shall be issued by the SEIAA after receipt of Stage-I Forest Clearance from the proponent as stipulated in MoEF&CC, Govt. of India office memorandum no. J-11013/41/2006-IA.II(I), dated 09.09.2011 and office memorandum no. J-11013/41/2006-IA.II(I), dated 18th May, 2012.

- (i) The SEAC recommended for an amount of ₹ 87 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan as the proponent has gone for excess production of Iron Ore without prior Environmental Clearance under EIA Notification, 2006.
- (ii) The project proponent shall be required to submit a bank guarantee of an amount of ₹ 87 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan with the State Pollution Control Board, Odisha prior to the grant of Environmental Clearance.
- (iii) The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the SEAC, Odisha and approval of the regulatory authority (i.e. SEIAA, Odisha).
- (iv) The SEIAA, Odisha may consider to request to the Govt. in F&E Deptt., Govt. of Odisha to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006. Environmental Clearance is to be issued after initiation of legal action against the project proponent.
- (v) The proponent has to abide by the guidelines if issued by the MoEF&CC, Govt. of India in future for assessment of Environmental and Ecological Damage as well as estimation of cost for remediation plan as well as Natural and Community Resource Augmentation Plan.

**(II) PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED " ANANYA PALM BEACH" RESIDENTIAL APARTMENT CUM GUEST HOUSE PROJECT IN PLOT NO - 268 (PART) AT MOUZA –SIPASURUBULI, TEHSIL – PURI SADAR, DISTRICT –PURI, OF M/S. PRABHUKRUPA REALITIES PRIVATE LIMITED WITH TOTAL BUILT UP AREA -32,859.52 SQM. (EC)**


1. The proposal was considered for Environmental Clearance for proposed " Ananya Palm Beach" Residential Apartment cum Guest House Project in Plot No - 268 (part) at Mouza –Sipasurubuli, Tehsil – Puri Sadar, District –Puri, of M/s. Prabhukrupa Realities Private Limited with total built up area -32,859.52 sqm.
2. The proposed development is a Residential Apartment cum Guest House building. Location on Plot No - 268 (P) & Khata No- 2 Area- Ac- 2.29 Dec. Mouza - Sipasurubuli, Thana -Puri Sadar, Puri. Plot area of project is estimated to be 9267. 30 m<sup>2</sup> or 2.29 Acres.
3. The project comes under Building and Construction projects under schedule 8 (a) of the EIA Notification dated 14th September 2006.

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4. The total project (Approved + Expansion) will be developed on the land measuring 9267.30 m<sup>2</sup> or 2.29 Acres situated over Plot No.- 268 (P) & Khata No.- 2, corresponding to Consolidation Khata Nos.-17/1, 17/2, 17/3 and 17/6, Plot Nos. - 581/1446 (P), 581/1447 (P), 581/1448 (P), 581/1451(P). The coordinates of the project site are Latitude- 19°47'24.65"N and Longitude-85°47'3.20"E.
5. Connectivity - The nearest airport is Biju Pattnaik Airport, which is 50.40 km away from the project site and Puri railway station is 6.13 km away from the project site. Nearest Town is Puri Town – 3.26 Km and District Headquarters is Puri at – 5.6 Km from the project site.
6. Presently, the Proponent has permission for construction of 18596.33 m<sup>2</sup> area at Mouza Sipasurubuli, Puri vide PKDA letter no. 231 dated 29.03.2016 & are planning to increase built-up area to 3,53,699.98 sft or 32,859.52 sqm (including services area, stilt and basement areas) and FAR Area is 25461.56 m<sup>2</sup> (excluding services area, stilt and basement areas) as per PKDA letter no. 63 dated 07.02.2019.
7. The total plot area is 9267.3 sqm or 2.29 Acres. The total built-up area = 32,859.52 sqm (Including Basement & Stilt). Maximum height of building= 23.9 mt. Total no. of Dwelling Units= 470 Dwelling Units + 60 (Guest room) = 530 Units.
8. The total water requirement of project will be 248 KLD which includes the fresh water requirement of 169 KLD on daily basis and treated recycled water of 79 KLD reused for flushing. Daily basis water requirement 169 KLD which will be met through Supply water/Bore well.
9. Power Requirement: Maximum demand load is 2500 KVA and Connected load is 3980 KW Source of power supply is CESU & Solar lighting. Power Back Up is by DG sets of 1500 KVA (2 Nos. of 250 KVA & 2 Nos. of 500 KVA) silent DG Set.
10. The waste water in operation phase will be generated is 215 KLD & treated in a STP having capacity of 240 KLD . Treated waste water recovered is 194 KLD which will be reutilized in horticulture (9 KLD), general washing(10 KLD) and Flushing(79 KLD) etc. 96 KLD excess treated water in Dry season and 115 KLD in rainy season will be discharged to Public Sewer.
11. The solid waste generated from project will be mainly domestic in nature and the quantity of the waste will be 0.91 Ton/day. Solid wastes generated will be segregated into biodegradable (waste vegetables and foods etc.) and recyclable (papers, cartons, thermo-cool, plastics, glass etc.) components and collected in separate bins. The biodegradable organic wastes (303.8 Kg/day) will be treated inside the premises. Recyclable and non-recyclable wastes (607.7 kg/day) will be disposed through Govt. approved agency as per Municipal Solid Wastes (Management and Handling) Rules, 2016 .
12. Total 6009.04 m<sup>2</sup> area will be provided for parking.
13. The green area will be developed approx. 20.11 % of the plot area (1863.39 m<sup>2</sup>).
14. Rain water Harvesting: Total Rain water harvested collected at project site will be 8671.46 m<sup>3</sup> annually, taking average rainfall per hour is 40 cum. 7 Nos. Rain Water Harvesting structures are being proposed for artificial rain water recharge within the project premises.
15. The total cost of project is ₹ 54 Crores.
16. The proponent along with the consultant **M/s Visiontek Consultancy Services Pvt. Ltd., Patia, Bhubaneswar, Odisha** made a detailed presentation before the SEAC.

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

- (i) Clearance certificate from CRZ authority that the project doesn't fall in the CRZ area.
- (ii) Letter from the Collector, Puri that the project area doesn't fall under the sweet water zone.
- (iii) Details of Solar energy to be used in the project with necessary calculation.
- (iv) Possibility of usage of wind energy other than solar energy for the project.
- (v) Location of the DG set needs to be changed and accordingly revised layout map to be submitted.
- (vi) ECS needs to be recalculated and submitted.
- (vii) Copy of PKDA approval letter for phase-I project (18596.33 m<sup>2</sup>) issued vide letter no. 231 dated 29.03.2016 along with copy of application submitted to PKDA for approval of the phase-I project.
- (viii) Copy of PKDA approval letter for expansion project along with copy of application submitted to PKDA for approval of the expansion project
- (ix) Detail Water Balance diagram with calculation and Waste Water Management details to be submitted.
- (x) Status of permission for drawal of ground water from Water Resources Department, Govt. of Odisha and NoC from CGWA.
- (xi) Detailed justification that the expansion project will not be treated as a violation case.
- (xii) Undertaking that the natural sand dune shall not be disturbed due to project activity.
- (xiii) Land schedule and kism of land.
- (xiv) Present status of construction undertaken and the period of construction with details of approval obtained for the same from PKDA.

17. The Sub-Committee of SEAC conducted site visit on 11.12.2019. The Sub-Committee has observed the following:

- a) Environmental Clearance was required to be sought by the project proponent in view of increase of original built up area from 18596.33 m<sup>2</sup> to 32,859.52 m<sup>2</sup>.
- b) The core structure (G+7) on the original proposed area is almost complete. But, the proponent stated that the construction is limited to PKDA approval area i.e. less than 20,000 m<sup>2</sup> built-up area.
- c) But construction of drains, rain water harvesting and recharging pit, STP, housing for DG sets has not started. The proponent showed the location in the premises identified for the purpose.
- d) The proponent stated that they would keep 6 ft. width space throughout the boundary for greenbelt development that would meet 20% norm and 20 ft. road width adjacent to it for free movement of fire tender.
- e) The proponent stated that they will have two bore wells to meet their water requirement i.e. source of water is ground water. They also stated that they have alternative source i.e. Puri Municipality water. They will make necessary water treatment of the raw water to be supplied by the Municipality or Bore Wells for the

domestic consumption. In the event of supply of water by Municipality, they will not use ground water.

- f) The premises of the housing complex is a low lying area due to construction of Naba Kalebara National Highway alongside the plot and there is a possibility of water logging during monsoon. The proponent stated that they will discharge both surplus treated waste water and runoff water during monsoon to the drain to be built up alongside the nearest NH under construction. In case, the construction of drain of NH is not done / completed by the time their complex is ready for possession, they will discharge the same to OPWD drain located at about 700-800 (as stated) meters away from the project site.
18. The Sub-Committee recommended that the following information / documents are required to be submitted by the proponent before consideration of Environmental Clearance.
- a) Proposed plan approval copy of PKDA for additional built-up area for increase to 32,859.52 m<sup>2</sup>. The project proponent need to submit an undertaking in form of a legal affidavit that they have not constructed built-up area  $\geq$  20,000 m<sup>2</sup>.
  - b) Certificate from appropriate authority that the project site does not fall within Sweet Water Zone of Puri.
  - c) NoC from CGWA and corresponding permission from Water Resources Department, Govt. of Odisha for use of required ground water in-case they draw water from ground and alternatively, explore the possibility of use of water of Puri Municipality raw water after necessary scientific treatment with such facilities at the project site. The project proponent is also required to submit the test report of water quality of Municipality raw water and the water quality after due treatment including the description of the process of such treatment.
  - d) Permission and time frame of the construction of drain alongside the adjacent NH under construction for allowing the proponent to discharge the treated waste water as well excess runoff water during monsoon, excess beyond recharging from NH Authority. The construction of drains must synchronize with the completion of the construction of the Housing Project.

Alternatively, permission from PWD, Odisha that existing drainage system about 700-800 meters (as stated) away from the project site to take the additional load of treated waste water and runoff water as the case may be as mentioned above. Besides, ownership of the land between project site and the existing drainage of PWD need to be in favour of the project proponent either through purchase or lease or "Right to Use" for the owner of the said land to lay the requisite pipelines / infrastructure as required.

- e) 'NoC' from OCZMA that it does not fall within CRZ limit or as necessary under the said law.
19. SEAC in its meeting held on 04.01.2020 decided to take decision on the proposal after receipt of the information / documents / clarification on the observation / recommendations made by the sub-Committee of SEAC during the site visit on 11.12.2019 in addition to information / documents / compliances sought by SEAC vide letter no. 352/SEAC- (Misc)-28, dated 05.11.2019.

20. The project proponent has furnished compliances as desired by the committee vide letter no: PRPL/065/2019-20 dated 10.01.2020 and same has been verified as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
(i)	Clearance certificate from CRZ authority that the project doesn't fall in the CRZ area.	Copy of application dated 02.08.2019 is annexed herewith as Annexure - 1.	Clearance certificate from CRZ authority that the project doesn't fall in the CRZ area has to be given.
(ii)	Letter from the Collector, Puri that the project area doesn't fall under the sweet water zone.	Copy of application dated 10.12.2019 is annexed herewith as Annexure -2.	Letter from the Collector, Puri that the project area doesn't fall under the sweet water zone has to be given.
(iii)	Details of Solar energy to be used in the project with necessary calculation.	The breakup sheet of total electrical consumption and solar energy calculation is attached herewith as Annexure -3.	-----
(iv)	Possibility of usage of wind energy other than solar energy for the project.	Since the roof top of the building is used for parking, installation of wind mills is not possible.	-----
(v)	Location of the DG set needs to be changed and accordingly revised layout map to be submitted.	Revised layout with location of DG set is attached herewith as Annexure -4.	-----
(vi)	ECS needs to be recalculated and submitted.	The Off Street Parking Space has been provided as per Puri Konark Development Authority (Planning and Building Standards) Regulations, 2017. An area of 64,680,90 sqft of parking space has been provided as mentioned in PKDA letter dated 07.02.2019.	-----
(vii)	Copy of PKDA approval letter for phase-I project (18596.33 m <sup>2</sup> ) issued vide letter no. 231 dated 29.03.2016 along with copy of application submitted to PKDA for approval of the phase-I project.	Permission letter no. 231/PKDA dated 29.03.2016 has been superseded by letter no.63/PKDA dated 07.02.2019. A copy of application submitted to PKDA for approval of the project is annexed herewith as Annexure - 5.	Copy of PKDA approval letter for phase-I project (18596.33 m <sup>2</sup> ) issued vide letter no. 231 dated 29.03.2016 has to be furnished.
(viii)	Copy of PKDA approval letter for expansion project along with copy of application submitted to PKDA for approval of the expansion project	Copies of application submitted to PKDA for revision of building plans of the project and permission letter issued by PKDA vide No. 63 dated 07.02.2019 are annexed herewith as Annexure - 6 & 7 respectively.	-----
(ix)	Detail Water Balance diagram with calculation and Waste Water Management details to be submitted.	Detail water Balance diagram with calculation and Waste Water Management details is annexed herewith as Annexure - 8. A copy of application for permission to discharge excess treated water to	-----

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
		public sewer is annexed herewith as Annexure -9.	
(x)	Status of permission for drawal of ground water from Water Resources Department, Govt. of Odisha and NoC from CGWA.	Copy of application dated 10.12.2019 is annexed herewith as Annexure-10.	-----
(xi)	Detailed justification that the expansion project will not be treated as a violation case.	As apparent from PKDA letter dated 07.02.2019, the total area including "Existing" and "Approved but not constructed" is 1,77,527.35 sqft or 16,492.69 sqm. Since the total approved built-up area prior to expansion is less than 20,000 sqm, it did not require an Environment clearance. It may please be noted that the total constructed area as on date is 1,08,676.96 sqft or 10,096.33 sqm which is mentioned as "Existing" in the PKDA permission letter dated 07.02.2019.	-----
(xii)	Undertaking that the natural sand dune shall not be disturbed due to project activity.	Copy of undertaking is annexed herewith as Annexure -11.	-----
(xiii)	Land schedule and kisam of land.	The Project comprises of 2.29 acres of land in respect of Khata No.2, Plot No. 268 (Part) in Sipasurubuli village, Puri. Conversion fees of Rs.6,87,000/-, equivalent to conversion fees required under section 8A of the OLR Act, has been deposited with PKDA u/s 119(3) of The Odisha Development Authorities (Amendment) Act, 2015. Please see page 4 of the permission letter dated 07.02.2019.	-----
(xiv)	Present status of construction undertaken and the period of construction with details of approval obtained for the same from PKDA.	As on date, an area of 1,08,676.96 sqft (or 10096.33 sqm) has been constructed which is mentioned as "Existing" in PKDA letter dated 07.02.2019.	-----

21. The proposed site was visited by the Sub-Committee of SEAC on 11.12.2019. The project proponent has furnished compliances of site visit as desired by the committee vide letter no: PRPL/068/2019-20 dated 21.01.2020 and same has been verified as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
(i)	Proposed plan approval copy of PKDA for additional built-up area for increase to 32,859.52 m <sup>2</sup> . The project proponent need to submit an undertaking in form of a legal affidavit that they have not constructed built-up area $\geq$ 20,000 m <sup>2</sup> .	Copy of plan approval issued by PKDA vide No. 63 dated 07.02.2019 is annexed herewith as Annexure – 1. An undertaking in form of a legal affidavit that they have not constructed built-up area $\geq$ 20,000 m <sup>2</sup> is enclosed as Annexure – 2.	-----
(ii)	Certificate from appropriate authority that the project site does not fall within Sweet Water Zone of Puri.	Copy of the application dated 10.12.2019 is annexed herewith as Annexure – 3.	Certificate from appropriate authority that the project site does not fall within Sweet Water Zone of Puri has to be submitted.
(iii)	NoC from CGWA and corresponding permission from Water Resources Department, Govt. of Odisha for use of required ground water in-case they draw water from ground and alternatively, explore the possibility of use of water of Puri Municipality raw water after necessary scientific treatment with such facilities at the project site. The project proponent is also required to submit the test report of water quality of Municipality raw water and the water quality after due treatment including the description of the process of such treatment.	Copies of NoC from CGWA and application dated 10.12.2019 for corresponding permission from Water Resources Department, Govt. of Odisha, are annexed herewith as Annexure – 4 & 5 respectively. We have obtained consent from PH Division to supply raw water to the project and a copy of the NOC dated 18.05.2018 is enclosed herewith as Annexure – 6. The raw water, when available, will be treated at our cost before use and necessary scientific treatment processes will be adopted.	-----
(iv)	Permission and time frame of the construction of drain alongside the adjacent NH under construction for allowing the proponent to discharge the treated waste water as well excess runoff water during monsoon, excess beyond recharging from NH Authority. The construction of drains must synchronize with the completion of the construction of the Housing Project. Alternatively, permission from PWD, Odisha that existing drainage system about 700-800 meters (as stated) away from the project site to take the additional	A copy of application for permission to discharge excess treated water to public sewer is annexed herewith as Annexure – 7.	This condition is required to be submitted before operation of the project (A legal affidavit for this; need to be submitted).

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	load of treated waste water and runoff water as the case may be as mentioned above. Besides, ownership of the land between project site and the existing drainage of PWD need to be in favour of the project proponent either through purchase or lease or "Right to Use" for the owner of the said land to lay the requisite pipelines / infrastructure as required.		
(v)	'NoC' from OCZMA that it does not fall within CRZ limit or as necessary under the said law	Copy of application dated 02.08.2019 is annexed herewith as Annexure – 8.	'NoC' from OCZMA that it does not fall within CRZ limit or as necessary under the said law to be obtained.

After detailed discussion, the SEAC decided to take decision on the proposal after the proponent submits the following information / documents:

- (i) Clearance certificate from CRZ authority that the project doesn't fall in the CRZ area has to be given.
- (ii) Letter from the Collector, Puri that the project area doesn't fall under the sweet water zone has to be given.
- (iii) Copy of PKDA approval letter for phase-I project (18596.33 m2) issued vide letter no. 231 dated 29.03.2016 has to be furnished.
- (iv) A legal affidavit to be submitted that the permission from PWD, Odisha shall be obtained from concerned department to discharge of excess treated water to public sewer before operation of the project.

**(III) PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF PROPOSED (G+9) AND (G+4) STORIED RESIDENTIAL-CUM-COMMERCIAL WITH MULTIPLEX BUILDING AT- MOUZA – BARAMUNDA, BHUBANESWAR, DIST-KHORDHA (BUILT UP AREA – 26,812.794 SQM) OF M/S. HARASHPRIYA CONSTRUCTIONS PVT LTD. (EC).**

1. This is a proposal for Environmental Clearance of M/s. Harashpriya Constructions Pvt Ltd. for proposed proposal of (G+9) and (G+4) Storied Residential-cum-Commercial with Multiplex Building at- Mouza – Baramunda, Bhubaneswar, Dist-Khordha (Built up area – 26,812.794 sqm).
2. Residential-cum-Commercial with Multiplex Building of Sri Chetan Kumar Tekariwal GPA holder and Sri. Vaibhav Agarwal GPA holder and Harshpriya Construction Pvt. Ltd. Represented by director Sri Chetan Kumar Tekariwal over HAL PLOT NO.-1140, 1141, 1142, 1142/2350, 1143, 1146, 1147, 1138 & 1148, Mouza- Baramunda, Bhubaneswar, Dist-Khurda.
3. The proposed site is located at Baramunda, Bhubaneswar, Odisha. The Geographical co-ordinate of the project site is: Latitude - 20° 16' 18.08" N & Longitude - 85° 48' 16.49" E. The project site is well connected with National Highway NH-16. The nearest railway station is Bhubaneswar Railway station at a distance of approx 4.1 Km in East direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 2.4 Km in East direction from project site.
4. Meteorology: The maximum temperature is about 36.0°C and the minimum temperature is 16.0°C felt in the area. The average annual rainfall in the area is 1326.16 mm.

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5. The Building Details Of The Project:

Particulars	Proposed
Plot Area	7809.200 sqm
Ground Coverage	3135.373 sqm (40.15 %)
FAR (Floor Area Ratio)	2.446
Built up Area	26812.794 sqm
Maximum Height	30 m
Road Area	2647.32 sqm
Parking Area	7711.111 sqm
Green Belt Area	1590.0 sqm (20.35 %)
Maximum No. of Floor	G+9 and G+4
Power/Electricity Requirement & Sources	CESU - 1422.0 KW Solar – 45.0 KW Total – 1467.0 KW
No. of DG sets	2x500 KVA
Water requirement & Sources	115 KLD (Fresh)
Sewage Treatment & Disposal	STP of Capacity 180 KLD
Estimated Population	2350 nos.

6. Power Requirement: The daily power requirement for the proposed complex is preliminarily assessed as 1467 KW (Solar System- 45 KW & CESU – 1422 KW). 2 nos. of DG set having 500 KVA capacities for power back up in the Commercial-cum-Residential Building Project.
7. Water Requirement: Fresh make up of 115.0 m<sup>3</sup>/day will be required for the project which will be sourced from Ground water. Waste water of 146.15 KLD will be treated in a STP of capacity 180 KLD.
8. Rain Water will be harvested through 15 no. of recharging pits.
9. Firefighting Installations: Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
10. Solid Waste Management: From the residential complex solid waste will be generated @ 0.4 kg/person/day, will be about 315 kg/day. Waste generated from Commercial people will be @ 0.15 kg/capita/day, which will be about 247.5 kg/day. Waste generation from floating people will be 7.0 kg/day. Solid waste shall be stored in separate garbage bin and send to approved recyclers. Around 73.1 kg/day of STP sludge will be generated.
11. The project cost is ₹ 70 Crores and the Environment Management Cost is ₹12.6 Lakhs
12. The Environment Consultant **M/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** along with the proponent made a detailed presentation on the proposal before the Committee on 25.09.2019.
13. The SEAC on its meeting held on 25.09.2019 decided to take decision on the proposal after receipt of following information / documents from the proponent followed by visit of Sub-Committee of SEAC to the proposed site.
  - (i) Copy of BDA approved plan.
  - (ii) Copy of land schedule and conversion of land.
  - (iii) Khatiyon of land from Tahasildar mentioning the zone.
  - (iv) Detailed calculation of Residential Built up area and Commercial Built up area.
  - (v) Parking Area calculation apartment wise.
  - (vi) Provision for electric point at each and every parking location for e-vehicle charging etc.
  - (vii) Provision for 2 separate entries and exits i.e. one for residential and other for commercial and accordingly, revised layout to be submitted.

- (viii) Traffic Density Study to be carried out by Operational Research (OR) expert and report to be submitted.
  - (ix) Percentage of Green Belt in the project area.
  - (x) Copy of PH Division water supply Bhubaneswar regarding supply of water to that proposed project.
  - (xi) Copy of application applied to State Water Resources Deptt. for drawal of ground water and NoC from CGWA of MoWR, Govt. of India.
  - (xii) Copy of BMC permission letter for discharge of treated water to municipality drain.
  - (xiii) An undertaking from proponent for usage of PH Division water supply at later stage.
  - (xiv) Proposal for monitoring of STP waste water periodically.
  - (xv) Study of wind direction in that area.
  - (xvi) Reference taken for study of traffic density.
  - (xvii) Recalculation of energy consumption for each apartment with provision of Air Conditioner in each bed room and living room.
  - (xviii) Proper periodically maintenance of Rain Water Harvesting System and increment of Recharging pits to 20 nos.
  - (xix) Proposal to increase the percentage (5%) of usage of solar/ renewable energy.
  - (xx) Copy of permission of Airport Authority of India.
  - (xxi) Revised water balance for discharge of less treated water to drain.
14. The Sub-Committee of SEAC conducted site visit on 23<sup>rd</sup> Oct 2019. The Sub-Committee has observed the following:
- a) The proponent has to submit a revised layout having two separate gates, one for the entrance and exit of residential owners and the other for commercial & multiplex users to avoid rush and conflict.
  - b) The space between the front boundary wall & the 4 lane road belong to Govt. In case of road widening or more lanes in future, the buffer space between the complex and the road will significantly reduce and may result in severe traffic congestion.
  - c) Both residential and commercial multiplex Complex and the education institution around are most likely to create traffic congestion. So decision may be taken after the traffic density study projecting into 10years future from the date of commission of the project, taking in to account the public, students, residents of the Complex.
15. The SEAC in its meeting held on 19.11.2019 decided to take decision on the proposal after receipt of the information / documents / clarification on the observation made by the sub-Committee of SEAC during the visit on 23.10.2019 in addition to information / documents / compliances sought by SEAC vide letter no. 300 (3), dated 14.10.2019.
16. The project proponent has furnished compliances as desired by the committee on dated 04.12.2019 and same has been verified as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1	Copy of BDA approval letter	BDA has provisionally approved the Building plan. The letter is attached in <b>Annexure-1</b> .
2	Copy of land schedule and conversion of land	Copy of land schedule is attached in <b>Annexure-2</b> .
3	Khatiyani of land from Tahasildar mentioning the zone	The proposed project site is coming under Residential use zone as per BDA. Copy of CDP is attached in <b>Annexure-3</b> .
4	Detailed calculation of Residential Built up area and	Total Built up area for Residential Building is 12354.489 sqm and Commercial Building is 6347.253 sqm.



Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
	Commercial Built up area	Detailed floor wise built up area is attached in <b>Annexure-4</b> .
5	Parking Area calculation apartment wise	Parking Area Required for Residential apartment is 3811.17 sqm. Parking Area Required for Commercial building is 3173.63 sqm. Total Parking Area required is 6984.8 sqm. Total Parking Area provided is 7711.11 sqm. Detail calculation is attached in <b>Annexure-5</b> .
6	Provision for electric point at each and every parking location for e- vehicle charging etc.	Electric point will be provided at each and every parking location for e-vehicle charging.
7	Provision for 2 separate entries and exits i.e. one for residential and other for commercial and accordingly, revised layout to be submitted	2 separate entries and exists will be provided for Residential & Commercial building. Layout map is attached in <b>Annexure-6</b> .
8	Traffic Density Study to be carried out by Operational Research (OR) expert and report to be submitted	Traffic study report is attached in <b>Annexure-7</b> . <b>The SEAC observed that the Traffic Density Study is not done by OR Expert, which is most reliable method.</b>
9	Percentage of Green Belt in the project area	Total land area is 7809.200 sqm. Total green belt area is 1590.0 sqm. Percentage of Green belt is 20.35 %.
10	Copy of PH Division water supply, Bhubaneswar regarding supply of water to that proposed project	PH letter is attached in <b>Annexure-8</b> .
11	Copy of application applied to State Water Resources Deptt. for drawal of ground water and NoC from CGWA of MoWR, Govt. of India	NoC has been received from CGWA and copy is attached in Annexure-9. We will apply to Water Resource Deptt. For approval before construction of proposed building.
12	Copy of BMC permission letter for discharge of treated water to municipality drain	We have already applied to Bhubaneswar Municipal Corporation (BMC) for permission of Discharge storm water in Municipal Drain. Application copy is attached in <b>Annexure-1</b> .
13	An undertaking from proponent for usage of PH Division water supply at later stage	An Undertaking is attached in <b>Annexure-10</b> .
14	Proposal for monitoring of STP waste water periodically	We have provided 180 KLD Sewage Treatment Plant of FAB Technology for treatment of waste water and also provision for monitoring of waste water on monthly basis.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
15	Study of wind direction in that area	Meteorological data was collected from project site during one year, i.e. 2018. In this period, predominantly wind flows from South direction near the project site. Wind rose diagram is attached in <b>Annexure-11</b> .
16	Reference taken for study of traffic density	Reference has been taken from IRC (Indian Road Congress). Details traffic density calculation is given in <b>Annexure-7</b> .  <b>The SEAC observed that the Traffic Density Study using IRC method is not very clear and the basis for projection from 2020 to 2024 should be made explicit. Further, as per the recommendation of sub-Committee of SEAC, the projection should have been made for 10 years instead of 5 years.</b>
17	Recalculation of energy consumption for each apartment with provision of Air Conditioner in each bed room and living room	We will provide Air Conditioner to each bed room and living room. Total Power requirement is 1798 KW. Detail energy calculation is given in <b>Annexure-12</b> .
18	Proper periodically maintenance of Rain Water harvesting System and increment of Recharging pits to 20 nos.	Total 21 nos. of Rain water harvesting pit will be provided to proposed building. Detail proposal for Rain water harvesting is attached in <b>Annexure-13</b> .
19	Proposal to increase the percentage (5%) of usage of solar/renewable energy	Total power requirement of the project is 1798 KW. Total power from Solar is 97.6 KW. Percentage of Solar energy = 5.4 % Details given in <b>Annexure-14</b> .
20	Copy of permission of Airport Authority of India	Airport letter is attached in <b>Annexure-15</b> .
21	Revised water balance for discharge of less treated water to drain	Water Balance is attached in <b>Annexure- 16</b> .

17. The SEAC in its meeting held on 07.12.2019 recommended to consider Environmental Clearance for the project after the project proponent furnishes certain information / documents. The project proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
(i)	Traffic Density Study is not done by OR Expert, which is most reliable method. Traffic Density Study to be carried out by Operational Research (OR) expert and report to be submitted.	Traffic Study Report vetted by Indian Institute of Technology (IIT) Bhubaneswar has been furnished.	Complied.
(ii)	The Traffic Density Study using IRC method is not very clear and the basis for projection from	Traffic Study Report vetted by Indian Institute of Technology (IIT) Bhubaneswar has been	Complied.

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	2020 to 2024 should be made explicit. Further, as per the recommendation of sub-Committee of SEAC, the projection should have been made for 10 years instead of 5 years.	furnished.	

The proponent has not fully complied the information sought by SEAC in its meeting held on 07.12.2019. The traffic density study report prepared earlier has been vetted by an expert from IIT, Bhubaneswar. The committee appreciates the effort. However, as suggested earlier the report be prepared <sup>by</sup> an operation Research Expert, to be submitted within one month.

**(IV) PROPOSAL FOR EXTENSION OF VALIDITY PERIOD OF ENVIRONMENTAL CLEARANCE IN RESPECT OF BHAGABANPUR DECORATIVE STONE MINES OVER AN AREA OF 40.198 HA. AT VILLAGE – BHAGABANPUR, TAHASIL – KUKUDAKHANDI, DIST – GANJAM OF SRI ACHYUTA NAYAYAN BAKSHI.**

1. The proposal is for Extension of Environmental Clearance of Bhagabanpur Decorative Stone Mines over an area of 40.198 ha. At village – Bhagabanpur, Tahasil – Kukudakhandi, Dist – Ganjam of Sri Achyuta Nayayan Bakshi.
2. The lessee had obtained Environmental Clearance from SEIAA, Odisha vide letter no: 2725/SEIAA, dated 23.12.2014 for 5 years, which was expired on 22.12.2019.
3. In the meantime, Mine Lease period has been extended by Dept. of Steel and Mines, Govt. of Odisha vide letter no. 9188, dated 22.11.2019 and valid upto 05.05.2030.
4. Mining Scheme for the period 2015-16 to 2019-20 is also prepared and approved by Director of Mines vide letter no. 8080/DM, dated 19.09.2015 and the scheme is valid till 2019-20.
5. Consent to Operate was granted by SPCB vide order no. 1151, dated 02.04.2019 was valid till 22.12.2019
6. The Lessee has applied for extension of validity of EC up to the lease period (i.e. upto 05.05.2030).
7. The SEAC in its meeting held on 04.01.2020 decided to consider the proposal for issue of extension of Environmental Clearance of Bhagabanpur Decorative Stone Mines after the proponent submits District Survey Report (DSR).
8. Now the project proponent has submitted the DSR vide letter dated 03.02.2020.
9. The EIA notification 14th September, 2006 stipulates the validity period of prior environmental clearance granted for project or activity shall be decided by the EAC and SEAC subject to a maximum of 30 years for mining projects. The SEAC, Odisha while recommending grant of Environmental Clearance fixed the validity period of environmental clearance for mining projects as five years for the reason that the mining scheme submitted by the project proponent is valid for a period of five years only.
10. The Lessee has applied for extension of validity of EC up to the lease period (i.e. upto 05.05.2030).

The SEAC opined that similar type of proposals were already discussed and decision have been taken to extend the validity period upto 30 years or life of the mine whichever is less as per order passed by the Hon'ble High Court, Delhi as well as Odisha. Hence, the SEAC recommended for extension of validity period of Environmental Clearance granted to Proceedings of the SEAC meeting held on 07<sup>th</sup> February, 2020

  
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Bhagabanpur Decorative Stone Mines over an area of 40.198 ha. At village – Bhagabanpur, Tahasil – Kukudakhandi, Dist – Ganjam of Sri Achyuta Nayayan Bakshi upto lease period (i.e. upto 05.05.2030) as requested by the lessee.

**(V) PROPOSAL FOR EXTENSION OF ENVIRONMENTAL CLEARANCE OF BADADUMULA DECORATIVE STONE MINES FOR PRODUCTION OF DECORATIVE STONE @12,000 CUM/ ANNUM OVER AN MINING LEASE AREA OF 49.193 HA. LOCATED AT VILLAGE – BADADUMULA, TAHASIL – DIGAPAHANDI, DIST- GANJAM, ODISHA, OF M/S. AJAX PETRO (EC)**

1. The proposal is for Extension of Environmental Clearance of Badadumula Decorative Stone Mines for production of Decorative stone @12,000 cum/ annum over a mining lease area of 49.193 Ha. located at Village – Badadumula, Tahasil – Digapahandi, Dist- Ganjam, Odisha, of M/s. Ajax Petro.
2. Mine was in operation since 29.03.1990 and the operation was discontinued from March 2012 to March 2016) due to want of Statutory Clearances pursuant to the Order of Mining Officer, Berhampur vide letter no. 1352/Mines, dated 21.03.2012.
3. After closure of the mine, the lessee has processed the application and had obtained Environmental Clearance from SEIAA, Odisha vide letter no. 2727/SEIAA, Dt: 23.12.2014 for 5 years.
4. In the meantime, Mine Lease has been renewed by Dept. of Steel and Mines, Govt. of Odisha vide letter no.9380/S&M on 22.09.2015 and valid for 20 years from 29th March 2010 to 28th March 2030.
5. Mining Scheme for the period 2016-17 to 2020-21 is also prepared and approved by Director of Mines vide letter no. 5476/DM, dated 09.06.2016 and the scheme is valid till 2020-21.
6. Consent to Operate was granted by SPCB vide order no. 163, dated 09.01.2015 was valid till 31.03.2019 and the same is also revalidated till 22.12.2019.
7. Production is again continued from 2016. In the meantime, Environmental Clearance has expired on 22.12.2019. Hence, the lessee applied for extension of EC up to the lease period (i.e. upto 20<sup>th</sup> March 2030).
8. SEAC in its meeting held on 08.11.2019 decided to consider the proposal for issue of extension of Environmental Clearance of Badadumula Decorative Stone Mines after the proponent submits District Survey Report (DSR).
9. Now the project proponent had submitted the DSR.
10. The EIA notification 14th September, 2006 stipulates the validity period of prior environmental clearance granted for project or activity shall be decided by the EAC and SEAC subject to a maximum of 30 years for mining projects. The SEAC, Odisha while recommending grant of Environmental Clearance fixed the validity period of environmental clearance for mining projects as five years for the reason that the mining scheme submitted by the project proponent is valid for a period of five years only.
11. The Lessee has applied for extension of validity of EC up to the lease period (i.e. upto 20<sup>th</sup> March 2030).

The SEAC opined that similar type of proposals were already discussed and decision have been taken to extend the validity period upto 30 years or life of the mine whichever is less as per order passed by the Hon'ble High Court, Delhi as well as Odisha. Hence, the SEAC recommended for extension of validity period of Environmental Clearance granted to Badadumula Decorative Stone Mines over an area of 49.193 Ha. located at Village –

Proceedings of the SEAC meeting held on 07<sup>th</sup> February, 2020


  
Secretary, SEAC

Badadumula, Tahasil – Digapahandi, Dist- Ganjam, Odisha, of M/s. Ajax Petro upto lease period (i.e. upto 20<sup>th</sup> March 2030) as requested by the lessee.


**B. CONSIDERATION OF MINOR MINERAL PROPOSALS:**

The committee verified 10 nos. of minor mineral proposals forwarded by the SEIAA, Odisha on the basis of MoEF&CC, Govt. of India OM no. F. No. L-I 1011/175/2018-IA-II (M), dated 12.12.2018. The case-wise proceedings and observations of the committee are detailed in Table as per Annexure – I. The proposals of following categories are:

Total no. of proposals	Type of proposals	No. of proposal	Decisions of the committee
10	Stone Quarries and others (09)	09	Clarification to be sought from the concerned Tahasildar.
	River sand (01)	01	Clarification to be sought from the concerned Tahasildar.


  
Sri. B. P. Singh  
Chairman, SEAC

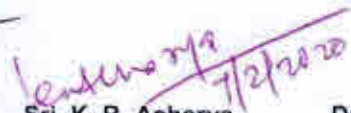
  
Dr. D. Swain  
Member, SEAC

  
Prof. (Dr.) P.K. Mohanty  
Member, SEAC

 7/2/20  
Dr. Sailabala Padhi  
Member, SEAC

 07/02/2020  
Sri. J. K. Mahapatra  
Member, SEAC

  
Prof. (Dr.) B.K. Satapathy  
Member, SEAC

 7/2/2020  
Sri. K. R. Acharya  
Member, SEAC

 7/2/20  
Dr. K.C.S Panigrahi  
Member, SEAC

Approved

 07.02.2020  
Chairman, SEAC

## ANNEXURE- A

**CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE FOR JURURI IRON & MANGANESE ORE MINES FOR ENHANCEMENT OF IRON ORE PRODUCTION TO 4.27 LAKH TPA ALONG WITH EXISTING CRUSHING UNIT OF PRIMARY CRUSHER (40 TPH) AND 2X12 TPH SECONDARY CRUSHER OVER MINING LEASE AREA 66.368 HA LOCATED AT VILLAGE(S) JAJANG & KHANDBANDH, TEHSIL - BARBIL, DISTRICT- KEONJHAR, ODISHA OF M/S TARINI MINERALS PVT. LTD. UNDER VIOLATION CASE TOR GRANTED – (EC).**

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### **(I) Statutory compliance**

- (i) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
- (ii) The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- (iii) The State Government concerned shall ensure that mining operation shall not be commenced 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 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
- (iv) This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.
- (v) This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the project.
- (vi) Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board.
- (vii) The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- (viii) The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made thereunder in respect of lands which are not owned by it.
- (ix) The Project Proponent shall follow the mitigation measures provided in MoEF&CC's Office Memorandum No. Z-I1013/57/2014-IA.II (M), dated 29<sup>th</sup> October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".

- (x) The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
- (xi) A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
- (xii) State Pollution Control Board shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
- (xiii) The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board and web site of the Ministry of Environment, Forest and Climate Change ([www.environmentclearance.nic.in](http://www.environmentclearance.nic.in)). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
- (xiv) The Project Proponent shall inform the MoEF&CC/SEIAA, Odisha for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

**(II) Air quality monitoring and preservation**

- (i) The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, CO and SO<sub>2</sub> etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
- (ii) Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM<sub>10</sub> and PM<sub>2.5</sub> are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.

**(III) Water quality monitoring and preservation**

- (i) In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- (ii) Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- (iii) Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- (iv) The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEF&CC / SEIAA, Odisha. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, SEIAA, Odisha, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
- (v) Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids



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(TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1 /2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.

- (vi) Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office, MoEF&CC annually.
- (vii) Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
- (viii) The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board.

**(IV) Noise and vibration monitoring and prevention**

- (i) The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- (ii) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
- (iii) The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The worker engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

**(V) Mining Plan**

- (i) The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without



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prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.

- (ii) The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.
- (iii) The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEF&CC and its concerned Regional Office / SEIAA, Odisha.

**(VI) Land reclamation**

- (i) The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.
- (ii) The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
- (iii) The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.
- (iv) The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
- (v) The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC.
- (vi) Catch drains, settling tanks and siltation ponds of appropriate size shall be



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constructed around the mine working, mineral yards and topsoil / OB / waste dumps to prevent runoff of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.

- (vii) Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the comers of the garland drains.
- (viii) The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.

**(VII) Transportation**

- (i) No Transportation of the minerals shall be allowed in case of roads passing through transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
- (ii) The Main haulage road within the mine lease should be provided with a permanent water arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

**(VIII) Green Belt**

- (i) The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution



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emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

- (ii) The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
- (iii) The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
- (iv) The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.
- (v) And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.

**(IX) Public hearing and human health issues**

- (i) The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEF&CC Regional Office and DGMS on half-yearly basis.
- (ii) The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation,



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Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carry out base line HRA for all the category of workers and thereafter every five years.

- (iii) The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x 14 inches and of good quality).
- (iv) The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities, (c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1), Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEF&CC annually along with details of the relief and compensation paid to workers having above indications.
- (v) The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- (vi) Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
- (vii) The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report



on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

**(X) Corporate Environment Responsibility (CER)**

- (i) The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by SEAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.
- (ii) Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEF&CC and its concerned Regional Office / SEIAA, Odisha.

**(XI) Miscellaneous**

- (i) The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
- (ii) The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (iii) The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEF&CC & its concerned Regional Office, SEIAA, Odisha, Central Pollution Control Board and State Pollution Control Board.
- (iv) A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.
- (v) The proponent shall comply all the specific conditions as recommended by CSIR-NEERI on carrying capacity study (as applicable) in time bound manner as proposed.
- (vi) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- (vii) The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.

**TABLE****DECISION ON MINOR MINERAL PROJECTS WITH LEASE AREA LESS THAN 5 HA. ON 07.02.2020**

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
1.	SEIAA-32/01-2020	Sri Kamdev Sahu (Owner) M/s. Pandapadar & Dalabahli Stone Quarry  At : Tujung Po: M. Rampur Dist : Kalahandi, Odisha	Kalahandi	Stone	Proposal for Environmental Clearance for Pandapadar & Dalabahli Stone Quarry over an area of 1.35 acres or 0.546 ha at village Pandapadar & Dalabahli Tahasil M. Rampur in the district of Kalahandi of Sri Kamdev Sahu	5 years (2019-20 to 2024-25)	Nil (As per checklist)	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</li> <li>2. DSR has been submitted, which reveals that there are other two stone quarries located in the same area.</li> <li>3. Topo sheet indicating location of the mine has been furnished.</li> <li>4. EMP has been submitted.</li> <li>5. Mining plan approved by the Mining Officer, Kalahandi Circle,</li> </ol>	No	1032	<p>The SEAC decided to take decision on the proposal after getting the following from the concerned Tahasildar:</p> <p>(a) Certificate of the Tahasildar that there is no other mines located within 500 m from the periphery of the proposed mine lease area as DSR report reveals two stone quarries located in the same area.</p>



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Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>Bhawanipatna.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			
2.	SEIAA-33/01-2020	Tahasildar Kolnara M/s. Hazaridanga-III Stone Quarry At:	Rayagada	Stone	Proposal for Environmental Clearance for Hazaridanga-III Stone Quarry over an area of	5 years (2019-20 to 2023-24)	Hazaridanga-II Stone Quarry over an area of 5.00 acres or 2.024 ha (As per checklist)	<p>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</p> <p>2. DSR has been submitted, which reveals that there are</p>	No	4906	<p>The SEAC decided to take decision on the proposal after getting the following from the concerned Tahasildar:</p> <p>(a) The proposed stone quarry</p>

  
 Secretary, SEAC



Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
		Hazaridanga Tahasil : Kolnara Dist : Rayagada			5.00 acres or 2.024 ha at village Hazaridanga Tahasil Kolnara in the district of Rayagada of Tahasildar Kolnara			<p>other eight stone quarries (i.e. Hazaridanga – I to VIII) located in the same area.</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the Joint Director of Geology, Zonal Survey, Koraput.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as</p>			<p>appears in cluster with other stone quarries of the Hazaridanga village as per the map and DSR report submitted (i.e. Hazaridanga – I to VIII). Hence, it shall be clarified that why cluster approach has not been followed?</p> <p>(b) The concerned Tahasildar shall submit revised documents such as check list, mining plan, EMP, Prefeasibility report and</p>



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								identified by CPCB etc. located within 5 km radius of the mine lease area. 8. There is no court case / litigation pending.			Form-I if it is in cluster approach.
3.	SEIAA-34/01-2020	Sri Akshaya Kumar Rana A/o. Purna Chandra Rana M/s. Dhobagudi Sand Bed Quarry At / Po. Bissam Cuttack Odisha	Rayagada	Sand	Proposal for Environmental Clearance for Dhobagudi Sand Bed over an area of 7.26 acres or 2.938 ha at village Dhobagudi Tahasil Muniguda in the district of Rayagada of Sri Akshaya Kumar Rana	5 years (2017-18 to 2021-22)	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining plan approved by the Joint Director of Geology, Zonal Survey, Koraput. 6. No forest land involved in lease area	No	3900	The SEAC decided to take decision on the proposal after getting the following from the concerned Tahasildar: (a) Certificate w.r.t exact distance of the sand mine from the nearest river bridge. (b) Certificate w.r.t no. of other sand mines located within 500 m from the periphery of the proposed mine



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			lease area.
4.	SEIAA-35/01-2020	Tahasildar Kolnara M/s. Jamulelibadi Stone Quarry At Jamulelibadi Tahasil Kolnara Dist.	Rayagada	Stone	Proposal for Environmental Clearance for Jamulelibadi Stone Quarry over an area of 10.00 acres or 4.048 ha at village Jamulelibadi	5 years (2019-20 to 2023-24)	Nil (As per checklist)	<p>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</p> <p>2. DSR has been submitted</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p>	No	2898	<p>The SEAC decided to take decision on the proposal after getting the following from the concerned Tahasildar:</p> <p>(a) Certificate from concerned DFO that there is no DLC land involved in</p>


  
 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
		Rayagada			Tahasil Kolnara in the district of Rayagada of Tahasildar Kolnara			<p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the Joint Director of Geology, Zonal Survey, Koraput.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			<p>lease area.</p> <p>(b) Certificate from the Concerned Tahasildar that there is no other Stone Quarry located within 500 meter of the proposed stone quarry.</p>



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
5.	SEIAA-36/01-2020	Tahasildar Kolnara M/s. Hazaridanga – II Stone Quarry At : Hazaridanga Tahasil : Kolnara Dist : Rayagada	Rayagada	Stone	Proposal for Environmental Clearance for Hazaridanga -II Stone Quarry over an area of 5.00 acres or 2.024 ha at village Hazaridanga Tahasil Kolnara in the district of Rayagada of Tahasildar Kolnara	5years FY 2019-20 to 2023-24	Hazaridanga-III Stone Quarry over an area of 5.00 acres or 2.024 ha. (As per checklist)	<ol style="list-style-type: none"> <li>1. Furnished filed in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</li> <li>2. DSR has been submitted, which reveals that there are other eight stone quarries (i.e. Hazaridanga – I to VIII) located in the same area.</li> <li>3. Topo sheet indicating location of the mine has been furnished.</li> <li>4. EMP has been submitted.</li> <li>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Koraput.</li> <li>6. No forest land involved in lease area</li> </ol>	No	4906	<p>The SEAC decided to take decision on the proposal after getting the following from the concerned Tahasildar:</p> <p>(a) The proposed stone quarry appears in cluster with other stone quarries of the Hazaridanga village as per the map and DSR report submitted (i.e. Hazaridanga – I to VIII). Hence, it shall be clarified that why cluster approach has not been followed?</p> <p>(b) The concerned</p>

  
 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			<p>Tahasilidar shall submit revised documents such as check list, mining plan, EMP, Prefeasibility report and Form-I if it is in cluster approach.</p> <p>(c) All the existing leases shall be shown in topo map / village sheet for ascertaining correction of EMP prepared for cluster.</p> <p>(d) Certificate from concerned DFO that lease area is not included in DLC report of district.</p>



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the propONENT	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
6.	SEIAA-38/01-2020	Sri Narendra Agrawal (Owner) M/s. Raghunathprasad Laterite Quarry At – Brundaban Appartment Ganga Mandir Ps-Lalbag Dist – Cuttack, Odisha Pin : 753001	Cuttack	Murram and Laterite	Proposal for Environmental Clearance for Raghunathprasad Laterite Quarry over an area of 2.83 acres or 1.145 ha at village Raghunathprasad Tahasil Tangi-Choudwar in the district of Cuttack of Sri Narendra Agrawal	5 years	Nil (As per checklist)	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</li> <li>2. DSR has been submitted.</li> <li>3. Topo sheet indicating location of the mine has been furnished.</li> <li>4. EMP has been submitted.</li> <li>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal.</li> <li>6. No forest land involved in lease area</li> <li>7. Kapilash Wildlife Sanctuary is at an aerial distance of 3.8 KM from the periphery of the proposed quarry.</li> </ol>	No	8325 (Murram=4275 & Laterite=4,050)	<p>The SEAC decided to take decision on the proposal after receipt of the following from the concerned Tahasildar:</p> <p>(a) Certificate from the concerned DFO about the exact distance of the proposed mines boundary from the boundary of Eco-sensitive Zone of Kapilash Wildlife Sanctuary.</p>



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								8. There is no court case / litigation pending.			
7.	SEIAA-39/01-2020	Sri Gobardhan Sahoo M/s. Suvam kiln Bricks At/Po. Khadaga prasad Ps - Motanga Dist - Dhenkanal, Odisha Pin 759121	Dhenkanal	Brick Earth	Proposal for Environmental Clearance for Suvam Klin Brick Earth over an area of 2.65 acres or 1.072 ha in village Suravi of Motanga Gram Panchayat, Tahasil Odapada in the district of Dhenkanal of Sri Gobardhan Sahoo	5 years FY 2018-19 to FY 2022-23	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted, which reveals that there is another quarry located in the same area (i.e. Suravi Brick Earth Quarry No- II, 1.825 Ha.) 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal.	No	3400	The SEAC decided to take decision on the proposal after receipt of certificate from the concerned Tahasildar that there is no other mines located within 500 m from the periphery of the proposed mine lease area. (i.e. Suravi Brick Earth Quarry No- II, 1.825 Ha.)

Secretary, SEAC



Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			
8.	SEIAA-40/01-2020	Sri Pratap Kumar Rout (Owner) M/s. Durgamata Klin Bricks	Dhenkanal	Brick Earth	Proposal for Environmental Clearance for Durgamata Klin Brick Earth over an area of 4.51 acres	5years FY 2018-19 to 2022-23	Nil (As per checklist)	<p>1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar.</p> <p>2. DSR has been submitted, which reveals that there is another quarry located</p>	No	6160	The SEAC decided to take decision on the proposal after receipt of certificate from the concerned Tahasildar that there is no other mines located within 500 m from

  
 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
		At /Po. Khadaga prasad Ps – Motanga Dist – Dhenkanal, Odisha Pin : 759121			or 1.825 ha in village Suravi of Motanga Gram Panchayat Tahasil Odapada in the district of Dhenkanal of Sri Pratap Kumar Rout			<p>in the same area (i.e. Suravi Brick Earth Quarry No- I, 1.072 Ha.).</p> <p>3. Topo sheet indicating location of the mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal..</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc.</p>			the periphery of the proposed mine lease area as there is another mine in the same area as per DSR (i.e. Suravi Brick Earth Quarry No- I, 1.072 Ha.)



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								located within 5 km radius of the mine lease area. 8. There is no court case / litigation pending.			
9.	SEIAA-41/01-2020	Sri Gyanendra Samal (Owner) M/s. Kalia Klin Bricks Earth At /Po. Khadaga prasad Ps – Motanga Dist – Dhenkanal, Odisha Pin : 759121	Dhenkanal	Brick Earth	Proposal for Environmental Clearance for Kalia Klin Brick Earth over an area of 2.45 acres or 0.991 ha in village Khadagprasad of Khadagprasad Gram Panchayat Tahasil Odapada in the district of Dhenkanal of Sri Gyanendra	5years FY 2018-19 to 2022-23	Nil (As per checklist)	1. Furnished filled in Form-I, pre-feasibility report and check list as endorsed / submitted by the Tahasildar. 2. DSR has been submitted, which reveals that there is another quarry located in the same area (i.e. Khadagprasad Quarry No- I, 0.756 Ha.) 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been submitted. 5. Mining plan approved by the Joint Director	No	2016	The SEAC decided to take decision on the proposal after receipt of following from the concerned Tahasildar: (a) Certificate from the concerned Tahasildar that there is no other mines located within 500 m from the periphery of the proposed mine lease area as there is another mine in the same area as per DSR (i.e.



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
					Samal			<p>Geology, Zonal Survey, Dhenkanal.</p> <p>6. No forest land involved in lease area</p> <p>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area.</p> <p>8. There is no court case / litigation pending.</p>			<p>Khadagprasad Quarry No- I, 0.756 Ha.)</p> <p>(b) Location of the mine / mines shall be shown in village sheet and submitted.</p> <p>(c) Since, the kissam of the land is sarad, the ownership of the plot be ascertain. Sarad kissam having potential for agriculture should not be used for Brick Earth.</p>
10.	SEIAA-42/01-2020	Sri Bibhuti Bhusan Dhal (Owner) M/s.	Dhenkanal	Brick Earth	Proposal for Environmental Clearance for Sriram Klin Brick Earth over	5years FY 2018-19 to 2022-23	Nil (As per checklist)	1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by Tahasildar.	No	4575	The SEAC decided to take decision on the proposal after receipt of the following from


  
 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
		Sriram Klin Bricks Earth At /Po. Khadagaprasad Ps – Motanga Dist – Dhenkanal, Odisha Pin : 759121			an area of 1.87 acres or 0.757 ha in village Khadagprasad of Khadagprasad Gram Panchayat Tahasil Odapada in the district of Dhenkanal of Sri Bibhuti Bhusan Dhal			<ol style="list-style-type: none"> <li>2. DSR has been submitted, which reveals that there is another quarry located in the same area (i.e. Khadagprasad Quarry No- II, 0.991 Ha.)</li> <li>3. Topo sheet indicating location of the mine has been furnished.</li> <li>4. EMP has been submitted in cluster approach.</li> <li>5. Mining plan approved by the Joint Director Geology, Zonal Survey, Dhenkanal.</li> <li>6. No forest land involved in lease area</li> <li>7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected</li> </ol>			<p>concerned Tahasildar:</p> <p>(a) Certificate from the concerned Tahasildar that there is no other mines located within 500 m from the periphery of the proposed mine lease area as there is another mine in the same area as per DSR (i.e. Khadagprasad Quarry No- II, 0.991 Ha.)</p> <p>(b) Since, the kissam of the land is sarad for all the four plots, the ownership of the plot be</p>



Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the mine lease area. 8. There is no court case / litigation pending.			ascertained. Sarad kissam having potential for agriculture should not be used for Brick Earth.

  
07.02.2020  
Chairman, SEAC

  
Secretary, SEAC