

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE, ODISHA HELD ON 24<sup>TH</sup> DECEMBER, 2019**

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The SEAC met on 24<sup>th</sup> December, 2019 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.) C.R. Mohanty	-	Member
4. Sri. J. K. Mahapatra	-	Member
5. Prof.(Dr.) B.K. Satpathy	-	Member
6. Dr. Sailabala Padhi	-	Member
7. Sri. K. R. Acharya	-	Member

**A. CONSIDERATION OF OLD PROPOSALS:**

**I. PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF TEMRIMAL GRAPHITE MINES OF SRI PRABHAS CHANDRA AGARWAL FOR PRODUCTION OF 8547 TPA GRAPHITE OVER MINING LEASE AREA OF 36.033 HA AT VILLAGE – TEMRIMAL, DIST- BARGARH (TOR)**

1. The mining lease area over 89.04 acres or 36.033 ha. is located in the village – Temrimal, P.S. Paikmal, District-Bargarh, Odisha. The lease was granted in favour of Sri Prabhas Chandra Agrawal by department steel and mines, Govt. of Odisha for 20 year w.e.f. 18.12.1978. The project intend towards production of graphite ore 8547 TPA and beneficiation of crude graphite ore through establishment of 50 TPH beneficiation plant located in the nearby lease area of Temrimal Graphite mines over an area of 11.149 ha.
2. The area of ML is located in the Survey of India Topo sheet no. 64L/10. Latitude- 20° 44' 31" to 20° 45' 00" N and Longitude- 820 43'37" to 820 44' 13" E. The land use pattern of the ML area comes under the non-forest agricultural land category.
3. As per the recent estimation the geological reserve is found to be 74994 Tones which includes Proved, Probable & Possible reserve 37532T, 25126 T, 12336 tonnes respectively. The method of mining is semi-mechanized under OTFM category. The average height of the bench is 5 m and width of the bench is around above 6 meter.
4. Laterite, soil, khondalite and granite gneiss constitute the bulk of the waste generated in the mine. Presently three existing dumps are seen in that area. The waste material is transported by tippers and is dumped on the old dump situated on the western part of the pit. The height of the dump is maintained at 20 mtrs. Laterite, soil, khondalite and granite gneiss constitute the bulk of the waste generated in the mine and can be accommodated over an area of 1.180 ha. During the conceptual period a total of 283199 m<sup>3</sup> of waste (swell vol.) will be generated. It is planned to reclaim the mine out land by backfilling after complete exhaustion of ore during the next scheme period. At the conceptual period the total dump will be utilized for backfilling the mined out area. The backfilled area will be brought under plantation using 500 nos. of saplings for rehabilitation over an area of 0.45 ha.
5. The ToR for Environmental Clearance was issued by SEAC, Odisha vide letter No. 572/SEAC, dated. 02.08.2011. Based on the ToR, the draft EIA/EMP report for public hearing was submitted at Odisha State Pollution Control Board (OSPCB), Bhubaneswar on 31.01.2012. The Board requested the Collector, Bargarh for public hearing vide letter No. 2197, dated. 13.02.2012 and vide letter 23356, dated. 23.11.2012. The Collector & DM, Bargarh vide letter

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No. 2055, dated. 01.12.2012 had informed the OSPCB that the Gandhamardan RF area and adjacent village area of Paikmal Tahsil is affected by Maoist activity and it is not secured to hold public hearing. The OSPCB, Bhubaneswar intimated the same to SEIAA, Odisha vide letter No. 6416, dated. 06.04.2013. They had also requested to SEIAA, Odisha vide letter dated. 10.11.2014 to consider the case for exemption of public hearing or to intimate the Collector, Bargarh to fix the date of public hearing once again. The SEIAA, Odisha vide letter No. 2633/SEIAA, dated. 06.12.2014 intimated to the proponent that the Environmental Clearance can only be considered after submission of the final EIA study as per the ToR issued for the purpose of obtaining Environmental Clearance. The SEIAA, Odisha vide letter No. 3009/SEIAA, dated. 26.02.2015 also intimated to the proponent that the public hearing of the proposal will not be dispensed with and the same has been intimated to OSPCB, Bhubaneswar. In the meantime the validity of the TOR has expired and the OSPCB, Odisha vide letter No. 7236, dated. 28.04.2015 requested the proponent to revalidate the ToR for conducting public hearing of the proposal. They have applied a fresh for grant of Environmental Clearance with fresh Form-1 along with pre-feasibility report and Mining Scheme.

6. The consultant **M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar** along with the proponent made a detailed presentation on the proposal.
7. SEAC on its meeting held on 13-12-2019, opined that the case may come under violation category as they were unable to produce the authenticate actual production figure during the operation of the mine against the production capacity approved in mining plan. After detailed discussion, the SEAC decided to take decision on the proposal after the proponent submits the following information/ documents:
  - (i) The production details of the mine from the inception of the mine till the date of closure duly authenticated by the Steel & Mines Department, Govt. of Odisha.
  - (ii) Details of violation if any.
  - (iii) Supportive documents w.r.t application made in violation portal of MoEF&CC, Govt. of India within the due date and same has been transferred to SEIAA, Odisha if they have made violation.
  - (iv) Copy of the documents in support of the fact that the Proponent is the rightful lessee of the mine should be given.
8. Now the project proponent has furnished compliances as desired by the committee vide letter dated 03.12.2019 as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
(i)	The production details of the mine from the inception of the mine till the date of closure duly authenticated by the Steel & Mines Department, Govt. of Odisha	The production details of the mine from the inception of the mine, since 1978-79 to 2012-13 duly authenticated (through RTI) by the Deputy Director of Mines, Sambalpur Circle, Sambalpur of the Steel & Mines department, Odisha (Annexure -1). The mining operation was stopped by the Deputy Director of Mines, Sambalpur vide letter no. 19388, dated 11.11.2009 (Annexure -2).
(ii)	Details of violation if any	There is no violation.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
(iii)	Supportive documents w.r.t application made in violation portal of MoEF&CC, Govt. of India within the due date and same has been transferred to SEIAA, Odisha if they have made violation	<p>The project proponent had applied for ToR for Environmental Clearance was issued by SEAC, Odisha vide letter No. 576/SEAC, dated 02.08.2011. Based on the ToR the draft EIA/EMP report for public hearing was submitted at OSPCB, Bhubaneswar on 31.01.2012 (Annexure - 3) with public hearing fees of Rs. 50000/- vide DD No. 040797, dated 23.10.2012. The Board requested the Collector, Bargarh for public hearing vide letter No.2197, dated 13.02.2012 and vide letter No.23356, dated. 23.11.2012 The Collector &amp; DM, Bargarh vide letter no.192, dated: 09.02.2013 had informed the OSPCB that the Gandhamardan RF area and adjacent village area of Paikmal Tahasil is affected by Maoist activity and it is not secured to hold public hearing. The OSPCB, Bhubaneswar intimate the same to SEIAA, Bhubaneswar vide letter No. 6416, dated 06.04.2013 (Annexure -4). The Project Proponent have submitted the final EIA /EMP report along with the application form for grant of Environment Clearance before expiry of ToR vide letter dated. 17.04.2013 (Annexure -5). The proposal was placed before the SEAC, Odisha on 20.08.2013. The SEAC vide letter No. 1863/SEAC -192, dated. 21.09.2013 (Annexure - 6) required some information / documents for grant of Environment Clearance. PP have submitted compliance with the observation vide my letter dated 02.12.2013 (Annexure -7). In the meantime the validity of the ToR has expired and the SPCB, Odisha vide letter No.7248, dated. 28.04.2015 (Annexure - 8) requested to revalidate the ToR for conducting public hearing of the proposal. Further PP have applied for grant of Environmental Clearance of above mines with fresh Form -1 &amp; ToR along with pre-feasibility report and Mining Scheme vide letter dated 15.07.2015 (Annexure -9). The SEIAA, Odisha vide letter No.762/SEIAA, dated 05.02.2016 requested to submit the scrutiny fees in shape of Bank Draft, for which PP had requested the SEIAA, Odisha for payment of scrutiny fees as it has already been during their earlier application for the same project on 27.09.2018 (Annexure - 10). After several request for adjust of payment, PP has submitted the scrutiny fees on dated 28.11.2018 (Annexure -11) for consideration of their proposal.</p> <p>For the above PP have not received observation or communication regarding violation till date, therefore they have not made any application in violation portal of MoEFF&amp;CC, Government of India within the due date.</p>
(iv)	Copy of the documents in support of the fact that the Proponent is the rightful lessee of the mine should be given	<p>The project proponent has filed RML application to the Government, Department of Steel &amp; Mines on dated. 28.08.1997 i.e one year prior to the expiry of the Mining Lease i.e 17.12.1998 in accordance with provision of Rule - 24A(6) of MCR, 1960. They were continuing mining under provision of deemed extension under rule24A (6) of MCR, 1960.</p> <p>The mining operation in the lease area was stopped w.e.f</p>

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		<p>12.11.2009 the Deputy Director of Mines, Sambalpur vide letter No.19388, dated 11.11.2009. Due to discontinuance of mining operation for more than a continuous period of two years, the lease was declared as lapsed w.e.f by the State Government. PP has filed revival application date. 02.07.2013 to the state Government and the same was refuse to revival by the State Government vide letter No.3040, dated. 05.04.2017.</p> <p>Further, PP have filed the Revision application to the Revisional Authority, Ministry of Mines, Government of India on dated 14.06.2017 (Annexure - 12) against the order issued vide letter No.3040, dated 05.04.2017, which is still pending with the Revisional Authority and the matter, is subjudicy and still under consideration of Mining Lease. The status of the Revision application before the Revsional Authority as on date is enclosed herewith.</p>

9. The Committee observed the following:

- (i) The MoEF&CC, Govt. of India circular no. J-15012/35/2007-IA.II(M)-part, dated 02.07.2007 stipulates that all such mining projects which did not require Environmental Clearance under the EIA Notification 1994 would continue to operate without obtaining Environmental Clearance till the mining lease falls due for renewal, if there is no increase in lease area and/or there is no enhancement of production. In the event of any increase in lease area and/or production, such projects need to obtain prior Environmental Clearance. Further, all such projects which have been operating without any Environmental Clearance would obtain Environmental Clearance at the time of their lease renewal even if there is no increase either in terms of lease area or production.
- (ii) This is a major mineral mining project. The EIA notification, 27<sup>th</sup> January, 1994 stipulates the major mineral with lease area > 5 ha. will require Environmental Clearance as per EIA Notification 27<sup>th</sup> January, 1994. However, the mine is operating prior to 27<sup>th</sup> January, 1994 i.e. since 1979-80. They had to restrict the highest production capacity to pre-1994 (i.e. 27<sup>th</sup> January, 1994) highest production capacity to avoid Environmental Clearance under EIA Notification dated 27<sup>th</sup> January, 1994.
- (iii) The highest pre-94 production capacity was 5238 TPA (i.e. for the year 1983-84) as per production figure submitted by the mining authority as per **Annexure-1** in reply submitted, authenticated by the PIO, O/o Deputy Director of Mines, Sambalpur Circle, Sambalpur.
- (iv) They had exceeded the pre-94 capacity in the year 2004-05, 2005-06, 2006-07, 2007-08 and 2008-09 respectively i.e. 7698 TPA, 9231 TPA, 14547 TPA, 6996 TPA and 9845 TPA respectively. Hence, they had required to obtain Environmental Clearance under the EIA Notification 27<sup>th</sup> January, 1994 as well as EIA Notification 14<sup>th</sup> September 2006 for enhancement of production capacity of pre-1994.
- (v) They had also required to obtain Environmental Clearance under EIA Notification 1994 at the time of first renewal of lease i.e. in the year 1998 and under EIA Notification 2006 at the time of second renewal of lease i.e. in the year 2018.

- (vi) Since, the mining authority has not obtained Environmental Clearance under EIA Notification 1994 and/or EIA Notification 2006, the Deputy Director of Mines, Sambalpur Circle, Sambalpur had issued direction vide letter no. 19388, dated 11.11.2009 to stop mining operation including transporting of minerals from 12.11.2009 and copy of the same is enclosed by the proponent along with the reply letter as **Annexure-2**.
- (vii) The mining authority had suppressed the above fact earlier and obtained ToR from the SEAC for EIA study.
- (viii) They have also not applied in the violation portal in due date.

After detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to return the proposal to SEIAA, Odisha with a request to intimate the above to the Mining Authority.

**II. PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF TEMRIMAL GRAPHITE MINES OF SRI PRABHAS CHANDRA AGARWAL FOR PRODUCTION OF 14,792 TPA GRAPHITE AND INSTALLATION OF COMBINED 50 TPH BENEFICIATION PLANT OVER AN MINING LEASE AREA OF 11.149 HA AT VILLAGE – TEMRIMAL, DIST- BARGARH (TOR).**

1. The mining lease area over 27.55 acres or 11.149 ha. is located in the village – Temrimal, P.S. Paikmal, District-Bargarh, Odisha. The lease was granted in favour of Sri Prabhas Chandra Agrawal by department steel and mines, Govt. of Odisha for 20 year w.e.f. 11.10.1979. The mine was operating under deemed renewal since 11.11.2009 after which it has been temporarily closed due to want of Environmental Clearance.
2. The project area is located in Village Temrimal, P.S. Paikmal, District-Bargarh, Odisha. This is an open cast manual mines over an area of 11.149 Ha. The project intend towards production of graphite of 14792 TPA and installation of a beneficiation plant of 50 TPH capacity for enhancement in grade of ore to make it marketable. There was also an existing beneficiation plant with capacity 20,000 TPA. Temrimal graphite ore mines over an area of 11.149 Ha is located in the village Temrimal under Paikmal P.S of Bargarh district, Odisha. The nearest Town is at Padampur located at a distance of about 53 Km. from the ML area. The area of ML is located in the Survey of India Toposheet no. 64L/10. The latitude of the area is 200 44' 20.3" to 200 44' 24.4" N Longitude- 820 44'02.6" to 820 43' 55.8" E. The nearest road connecting Temrimal to Chendaikela is located at a distance of 500m from the lease area. The nearest railway station is at Lathore at a distance of 20 Km from the ML area.
3. As per the recent estimation the geological and mineable reserve is found to be 96773.250 tonnes and 77418.6 tonnes respectively.
4. During the present scheme period the ore zone will be excavated by manual method. The average height and width of the benches are 4.00 mtr & 5.00 mtr respectively. Thereafter over burden and wall rock are removed by forming benches of above specifications. Excavator of 0.9m<sup>3</sup> capacity will be deployed for loosening of rock for some times. Rear dump trucks of 10 MT pay load capacity will be used for transport of ore and overburden. In the ensuing scheme period it is planned to develop below depth of the existing quarry. The existing main pit has 252m length and 120m width. It has reached 35m depth. There are 4 benches in western side and 5 benches in eastern side of the quarry. All the benches are water logged.
5. The top & bottom RL of pit is 320m & 285m respectively. The Mine is at present discontinued and water logged.

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


**Secretary, SEAC**

6. The ToR for Environmental Clearance was issued by SEAC, Odisha vide letter No. 573/SEAC, dated. 02.08.2011. Based on the ToR, the draft EIA/EMP report for public hearing was submitted at Odisha State Pollution Control Board (OSPCB), Bhubaneswar on 31.01.2012. The Board requested the Collector, Bargarh for public hearing vide letter No. 2197, dated. 13.02.2012 and vide letter 23356, dated. 23.11.2012. The Collector & DM, Bargarh vide letter No. 2055, dated. 01.12.2012 had informed the OSPCB that the Gandhamardan RF area and adjacent village area of Paikmal Tahsil is affected by Maoist activity and it is not secured to hold public hearing. The OSPCB, Bhubaneswar intimated the same to SEIAA, Odisha vide letter No. 6416, dated. 06.04.2013. The final EIA/EMP report was submitted along with the application form for grant of Environment Clearance before expiry of ToR on 17.04.2013. The proposal was place before the SEAC, Odisha on 20.08.2013. The SEAC vide letter No. 1863/SEAC-192, dated. 21.09.2013 required some information / documents for grant of Environment clearance and clarification submitted on 02.12.2013. They had also requested to SEIAA, Odisha to consider the case for exemption of public hearing or to intimate the Collector, Bargarh to fix the date of public hearing once again. Further it has been clarified by SEIAA, Odisha vide letter no 2633/SEIAA, dated. 06.12.2014 that the Environmental Clearance can only be considered after submission of the final EIA study as per the ToR issued for the purpose of obtaining Environmental Clearance. The SEIAA, Odisha vide letter No. 3009/SEIAA, dated. 26.02.2015 also intimated to the proponent that the public hearing will not be dispensed with and the same has been intimated to OSPCB, Bhubaneswar. In the mean-time the validity of the TOR had expired and the SPCB, Odisha vide letter No. 7236, dated. 28.04.2015 requested to the proponent to revalidate the ToR for conducting public hearing of the proposal. They have applied a fresh for grant of Environmental Clearance with fresh Form-1 along with pre-feasibility report and Mining Scheme.
7. The consultant **M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar** along with the proponent made a detailed presentation on the proposal.
8. SEAC on its meeting held on Dt. 13-12-2019, opined that the case may come under violation category as they were unable to produce the authenticate actual production figure during the operation of the mine against the production capacity approved in mining plan. After detailed discussion, the SEAC decided to take decision on the proposal after the proponent submits the following information/ documents:
- (i) The production details of the mine from the inception of the mine till the date of closure duly authenticated by the Steel & Mines Department, Govt. of Odisha.
  - (ii) Details of violation if any.
  - (iii) Supportive documents w.r.t application made in violation portal of MoEF&CC, Govt. of India within the due date and same has been transferred to SEIAA, Odisha if they have made violation.
  - (iv) Copy of the documents in support of the fact that the Proponent is the rightful lessee of the mine should be given.
9. Now the project proponent has furnished compliances as desired by the committee vide letter dated 03.12.2019 as follows:


Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	The production details of the mine	The production details of the mine from the inception of the mine, since 1978-79 to 2012-13 duly authenticated

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
	from the inception of the mine till the date of closure duly authenticated by the Steel & Mines Department, Govt. of Odisha	(through RTI) by the Deputy Director of Mines, Sambalpur Circle, Sambalpur of the Steel & Mines department, Odisha (Annexure -1). The mining operation was stopped by the Deputy Director of Mines, Sambalpur vide letter no. 19370, dated 11.11.2009 (Annexure -2).
2.	Details of violation if any	There is no violation.
3.	Supportive documents w.r.t application made in violation portal of MoEF&CC, Govt. of India within the due date and same has been transferred to SEIAA, Odisha if they have made violation	<p>The project proponent had applied for ToR for Environmental Clearance was issued by SEAC, Odisha vide letter No. 572/SEAC, dated 02.08.2011. Based on the ToR the draft EIA/EMP report for public hearing was submitted at OSPCB, Bhubaneswar on 31.01.2012 (Annexure - 3) with public hearing fees of Rs. 50000/- vide DD No. 040797, dated 23.01.2012. The Board requested the Collector, Bargarh for public hearing vide letter No.2197, dated 13.02.2012 and vide letter No.23356, dated. 23.11.2012 The Collector &amp; DM, Bargarh vide letter no.192, dated : 09.02.2013 had informed the OSPCB that the Gandhamardan RF area and adjacent village area of Paikmal Tahasil is affected by Maoist activity and it is not secured to hold public hearing. The OSPCB, Bhubaneswar intimate the same to SEIAA, Bhubaneswar vide letter No. 6416, dated 06.04.2013 (Annexure -4). PP have submitted the final EIA /EMP report along with the application form for grant of Environment Clearance before expiry of ToR vide letter dated. 17.04.2013 (Annexure -5). The proposal was placed before the SEAC, Odisha on 20.08.2013. The SEAC vide letter No. 1863/SEAC -192, dated. 21.09.2013 (Annexure - 6) required some information / documents for grant of Environment Clearance. PP have submitted compliance with the observation vide letter dated 02.12.2013 (Annexure -7). In the meantime the validity of the ToR has expired and the SPCB, Odisha vide letter No.7236, dated. 28.04.2015 (Annexure - 8) requested to revalidate the ToR for conducting public hearing of the proposal. Further, PP have applied for grant of Environmental Clearance of above mines with fresh Form - 1 &amp; ToR along with pre-feasibility report and Mining Scheme vide my letter dated 15.07.2015 (Annexure -9). The SEIAA, Odisha vide letter No.761/SEIAA, dated 05.02.2016 requested to submit the scrutiny fees in shape of Bank Draft, for which PP had requested the SEIAA, Odisha for payment of scrutiny fees as it has already been during their earlier application for the same project on 27.09.2018 (Annexure - 10). After several request for adjust of payment, PP have submitted the scrutiny fees on dated 28.11.2018 (Annexure -11) for consideration of their proposal.</p> <p>For the above PP have not received observation or communication regarding violation till date, therefore they have not made any application in violation portal of</p>

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		MoEFF&CC, Government of India within the due date.
4.	Copy of the documents in support of the fact that the Proponent is the rightful lessee of the mine should be given	<p>The project proponent has filed RML application to the Government, Department of Steel &amp; Mines on dated. 16.09.1998 i.e. one year prior to the expiry of the Mining Lease i.e. 10.10.1999 in accordance with provision of Rule -24 A (6) of MCR, 1960 and were continuing mining under provision of deemed extension under rule 24A (6) of MCR, 1960.</p> <p>The mining operation in the lease area was stopped w.e.f 12.11.2009 the Deputy Director of Mines, Sambalpur vide letter No.19336, dated 11.11.2009. Due to discontinuance of mining operation for more than a continuous period of two years, the lease was declared as lapsed w.e.f 12.11.2011 by the State Government. The Project Proponent have filed revival application date. 02.07.2013 to the state Government and the same was refuse to revival by the State Government vide letter No.3040, dated. 05.04.2017.</p> <p>Further, The Project Proponent have filled the Revision application to the Revisional Authority, Ministry of Mines, Government of India on dated 14.06.2017 (<b>Annexure - 12</b>) against the order issued vide letter No.3040, dated 05.04.2017, which is still pending with the Revisional Authority and the matter, is subjudicy and still under consideration of Mining Lease. The status of the Revision application before the Revsional Authority as on date is enclosed herewith.</p>

10. The Committee observed the following:

- (i) The MoEF&CC, Govt. of India circular no. J-15012/35/2007-IA.II(M)-part, dated 02.07.2007 stipulates that all such mining projects which did not require Environmental Clearance under the EIA Notification 1994 would continue to operate without obtaining Environmental Clearance till the mining lease falls due for renewal, if there is no increase in lease area and/or there is no enhancement of production. In the event of any increase in lease area and/or production, such projects need to obtain prior Environmental Clearance. Further, all such projects which have been operating without any Environmental Clearance would obtain Environmental Clearance at the time of their lease renewal even if there is no increase either in terms of lease area or production.
- (ii) This is a major mineral mining project. The EIA notification, 27<sup>th</sup> January, 1994 stipulates the major mineral with lease area > 5 ha. will require Environmental Clearance as per EIA Notification 27<sup>th</sup> January, 1994. However, the mine is operating prior to 27<sup>th</sup> January, 1994 i.e. since 1979-80. They had to restrict the highest production capacity to pre-1994 (i.e. 27<sup>th</sup> January, 1994) highest production capacity to avoid Environmental Clearance under EIA Notification dated 27<sup>th</sup> January, 1994.
- (iii) The highest pre-94 production capacity was 11,276 TPA (i.e. for the year 1981-82) as per production figure submitted by the Mining Authority as per **Annexure-1** in reply submitted authenticated by the PIO, O/o Deputy Director of Mines, Sambalpur Circle, Sambalpur.




- (iv) They had not exceeded the pre-94 production capacity till the mine stop operation in the year 2009-10. Hence, they had not required to obtain Environmental Clearance under the EIA Notification 27<sup>th</sup> January, 1994 as well as EIA Notification 14<sup>th</sup> September 2006 as they had not exceeded the pre-94 production capacity.
- (v) However, they had required to obtain Environmental Clearance under EIA Notification 1994 at the time of first renewal of lease i.e. in the year 1999 and under EIA Notification 2006 at the time of second renewal of lease i.e. in the year 2019.
- (vi) Since, the mining authority has not obtained Environmental Clearance under EIA Notification 1994 and/or EIA Notification 2006, the Deputy Director of Mines, Sambalpur Circle, Sambalpur had issued direction vide letter no. 19336, dated 11.11.2009 to stop mining operation including transporting of minerals from 12.11.2009 and copy of the same is enclosed by the proponent along with the reply letter as **Annexure-2**.
- (vii) The mining authority had suppressed the above fact earlier and obtained ToR from the SEAC for EIA study.
- (viii) They have also not applied in the violation portal in due date.

After detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14<sup>th</sup> March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to return the proposal to SEIAA, Odisha with a request to intimate the above to the Mining Authority.

**III. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR TEMRIMAL GRAPHITE MINES OF SRI PRABHAS CHANDRA AGRAWAL FOR PRODUCTION OF 10050 TPA GRAPHITE OVER AN MINING LEASE AREA OF 14,654 HA AT VILLAGE-TEMRIMAL, TAHASIL – PAIKAMAL, DISTRICT- BARGARH (TOR)**

1. The mining lease area over 36.21 acres or 14.654 hect is located in the village – Temrimal, P.S. Paikmal, District-Bargarh, Odisha. The lease was granted in favour of Sri Prabhas Chandra Agrawal by department steel and mines, Govt. of Odisha for 20 year w.e.f. 18.12.1978. The project intend towards production of graphite ore of 10050 TPA and beneficiation of crude graphite ore through establishment of 50 TPH beneficiation plant in the nearby lease area of 11.149Ha of same lessee.
2. The mining activity at Temrimal will generate employment for 13 qualified supervisory and managerial staff and 23 labours with a total of 36 personnels.
3. The area of ML is located in the Survey of India Topo sheet no. 64L/10.Latitude- 200 44' 14.4" to 200 44' 24.4" N and Longitude- 820 44'09.7" to 820 43' 51.0" E. The land use pattern of the ML area comes under the non-forest agricultural land category.
4. As per the recent estimation the geological reserve is found to be 57152 Tones which includes Proved, Probable & Possible reserve 41222 T,10609 T,5321 T. respectively. The mine belongs to semi-mechanised method of mining under OTFM category. The average height of the bench is 5 m and width of the bench is around above 6 meter.
5. Laterite, soil, khondalite and granite gneiss constitute the bulk of the waste generated in the mine. Presently three existing quarry are seen in that area having size 80m,121m & 25m. length. The waste material is transported by tippers and is dumped on the old dump situated on the western part of the pit. The height of the dump is maintained at 20 mtrs. Laterite, soil, khondalite and granite gneiss constitute the bulk of the waste generated in the mine and can be accommodated over an area of 0.363 ha. During the conceptual period a total of 581903

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
  
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m<sup>3</sup> of waste (swell vol.) will be generated. It is planned to reclaim the mine out land by backfilling after complete exhaustion of ore during the next scheme period. At the conceptual period the total dump will be utilized for backfilling the mined out area. The backfilled area will be brought under plantation using 500 nos. of saplings for rehabilitation over an area of 0.450 ha.

6. The TOR for Environmental Clearance was issued by SEAC, Odisha vide letter No. 572/SEAC, dated. 02.08.2011. Based on the TOR the draft EIA/EMP report for public hearing was submitted at Odisha State Pollution Control Board (OSPCB), Bhubaneswar on 31.01.2012. The Board requested the Collector, Bargarh for public hearing vide letter No. 2197, dated. 13.02.2012 and vide letter 23356, dated. 23.11.2012. The Collector & DM, Bargarh vide letter No. 2055, dated. 01.12.2012 had informed the OSPCB that the Gandhamardan RF area and adjacent village area of Paikmal Tahsil is affected by Maoist activity and it is not secured to hold public hearing. The OSPCB, Bhubaneswar intimated the same to SEIAA, Odisha vide letter No. 6416, dated. 06.04.2013. The final EIA/EMP report along with the application form for grant of Environment Clearance was submitted to SEIAA, Odisha. The proposal was place before the SEAC, Odisha on 20.08.2013. The SEAC vide letter No. 1863/SEAC-192, dated. 21.09.2013 required some information / documents for grant of Environment clearance and it has been complied vide letter dated. 02.12.2013. Request for exemption of public hearing was made to SEIAA, Odisha vide letter No. 13.12.2014. The SEIAA, Odisha vide letter No. 3009/SEIAA, dated. 26.02.2015 intimated to the proponent that the public hearing of the proposal will not be dispensed with and the same has been intimated to OSPCB, Bhubaneswar. In the meantime the validity of the TOR had expired and the SPCB, Odisha vide letter No. 7236, dated. 28.04.2015 requested to the proponent to revalidate the ToR for conducting public hearing of the proposal. They have applied a fresh for grant of Environmental Clearance with fresh Form-1 along with pre-feasibility report and Mining Scheme.
7. The consultant **M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar** along with the proponent made a detailed presentation on the proposal.
8. SEAC on its meeting held on Dt: 13-12-2019, opined that the case may come under violation category as they were unable to produce the authenticate actual production figure during the operation of the mine against the production capacity approved in mining plan. After detailed discussion, the SEAC decided to take decision on the proposal after the proponent submits the following information/ documents:
  - (i) The production details of the mine from the inception of the mine till the date of closure duly authenticated by the Steel & Mines Department, Govt. of Odisha.
  - (ii) Details of violation if any.
  - (iii) Supportive documents w.r.t application made in violation portal of MoEF&CC, Govt. of India within the due date and same has been transferred to SEIAA, Odisha if they have made violation.
  - (iv) Copy of the documents in support of the fact that the Proponent is the rightful lessee of the mine should be given.
9. Now the project proponent has furnished compliances as desired by the committee vide letter dated 03.12.2019 as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	The production details of the mine from the inception of the mine till the date of closure duly authenticated by the Steel & Mines Department, Govt. of Odisha.	The production details of the mine from the inception of the mine, since 1978-79 to 2012-13 duly authenticated (through RTI) by the Deputy Director of Mines, Sambalpur Circle, Sambalpur of the Steel & Mines department, Odisha ( <b>Annexure -1</b> ). The mining operation was stopped by the Deputy Director of Mines, Sambalpur vide letter no. 19374, dated 11.11.2009 ( <b>Annexure -2</b> ).
2.	Details of violation if any	There is no violation.
3.	Supportive documents w.r.t application made in violation portal of MoEF&CC, Govt. of India within the due date and same has been transferred to SEIAA, Odisha if they have made violation	The Project Proponent has applied for ToR for Environmental Clearance which was issued by SEAC, Odisha vide letter No. 574/SEAC, dated 02.08.2011. Based on the ToR the draft EIA/EMP report for public hearing was submitted at OSPCB, Bhubaneswar on 31.01.2012 ( <b>Annexure - 3</b> ) with public hearing fees of ₹ 50,000/- vide DD No. 040797, dated 23.01.2012. The Board requested the Collector, Bargarh for public hearing vide letter No.2197, dated 13.02.2012 and vide letter No.23358, dated. 23.11.2012 The Collector & DM, Bargarh vide letter no.192, dated: 09.02.2013 had informed the OSPCB that the Gandhamardan RF area and adjacent village area of Paikmal Tahasil is affected by Maoist activity and it is not secured to hold public hearing. The OSPCB, Bhubaneswar intimate the same to SEIAA, Bhubaneswar vide letter No. 6416, dated 06.04.2013 ( <b>Annexure -4</b> ). PP have submitted the final EIA /EMP report along with the application form for grant of Environment Clearance before expiry of ToR vide my letter dated. 17.04.2013 ( <b>Annexure - 5</b> ). The proposal was placed before the SEAC, Odisha on 20.08.2013. The SEAC vide letter No. 1863/SEAC -192, dated. 21.09.2013 ( <b>Annexure - 6</b> ) required some information / documents for grant of Environment Clearance. The Project Proponent have submitted compliance with the observation vide letter dated 02.12.2013 ( <b>Annexure -7</b> ). In the meantime the validity of the ToR has expired and the SPCB, Odisha vide letter No.7236, dated. 28.04.2015 ( <b>Annexure - 8</b> ) requested to revalidate the ToR for conducting public hearing of the proposal. Further, they have applied for grant of Environmental Clearance of above mines with fresh Form - 1 & ToR along with pre-feasibility report and Mining Scheme vide letter dated 15.07.2015 ( <b>Annexure-9</b> ). The SEIAA, Odisha vide letter No.763/SEIAA, dated 05.02.2016 requested to submit the scrutiny fees in shape of Bank Draft, for which they had requested the SEIAA, Odisha for payment of scrutiny fees as it has already been during their

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
  
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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		<p>earlier application for the same project on 27.09.2018 (Annexure - 10). After several request for adjust of payment, PP has submitted the scrutiny fees on dated 28.11.2018 (Annexure -11) for consideration of their proposal.</p> <p>For the above the Project Proponent have not received observation or communication regarding violation till date, therefore they have not made any application in violation portal of MoEF&amp;CC, Government of India within the due date.</p>
4.	Copy of the documents in support of the fact that the Proponent is the rightful lessee of the mine should be given	<p>The project proponent had filed RML application to the Government, Department of Steel &amp; Mines on dated. 16.09.1998 i.e one year prior to the expiry of the Mining Lease i.e 10.10.1999 in accordance with provision of Rule - 24A(6) of MCR, 1960. And were continuing mining under provision of deemed extension under rule24A (6) of MCR, 1960.</p> <p>The mining operation in the lease area was stopped w.e.f 12.11.2009 the Deputy Director of Mines, Sambalpur vide letter No.19374, dated 11.11.2009. Due to discontinuance of mining operation for more than a continuous period of two years, the lease was declared as lapsed w.e.f 12.11.2011 by the State Government. PP have filed revival application date. 02.07.2013 to the state Government and the same was refuse for revival by the State Government vide letter No.3183, dated. 10.04.2017.</p> <p>Further, PP have filled the Revision application to the Revisional Authority, Ministry of Mines, Government of India on dated 14.06.2017 (Annexure - 12) against the order issued vide letter No.3183, dated 10.04.2017, which is still pending with the Revisional Authority and the matter, is subjudicy and still under consideration of Mining Lease. The status of the Revision application before the Revsional Authority as on date is enclosed herewith.</p>

10. The Committee observed the following:

- (i) The MoEF&CC, Govt. of India circular no. J-15012/35/2007-IA.II(M)-part, dated 02.07.2007 stipulates that all such mining projects which did not require Environmental Clearance under the EIA Notification 1994 would continue to operate without obtaining Environmental Clearance till the mining lease falls due for renewal, if there is no increase in lease area and/or there is no enhancement of production. In the event of any increase in lease area and/or production, such projects need to obtain prior Environmental Clearance. Further, all such projects which have been operating without any Environmental Clearance would obtain Environmental Clearance at the time of their lease renewal even if there is no increase either in terms of lease area or production.

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
- (ii) This is a major mineral mining project. The EIA notification, 27<sup>th</sup> January, 1994 stipulates the major mineral with lease area > 5 ha. will require Environmental Clearance as per EIA Notification 27<sup>th</sup> January, 1994. However, the mine is operating prior to 27<sup>th</sup> January, 1994 i.e. since 1978-79. They had to restrict the highest production capacity to pre-1994 (i.e. 27<sup>th</sup> January, 1994) highest production capacity to avoid Environmental Clearance under EIA Notification dated 27<sup>th</sup> January, 1994.
- (iii) The highest pre-94 production capacity was 3513.284 TPA (i.e. for the year 1985-86) as per production figure submitted by the Mining Authority as per **Annexure-1** in reply submitted; authenticated by the PIO, O/o Deputy Director of Mines, Sambalpur Circle, Sambalpur.
- (iv) They had not exceeded the pre-94 production capacity till the mine stop operation in the year 2009-10. Hence, they had not required to obtain Environmental Clearance under the EIA Notification 27<sup>th</sup> January, 1994 as well as EIA Notification 14<sup>th</sup> September 2006 as they had not exceeded the pre-94 production capacity.
- (v) However, they had required to obtain Environmental Clearance under EIA Notification 1994 at the time of first renewal of lease i.e. in the year 1998 and under EIA Notification 2006 at the time of second renewal of lease i.e. in the year 2018.
- (vi) Since, the mining authority has not obtained Environmental Clearance under EIA Notification 1994 and/or EIA Notification 2006, the Deputy Director of Mines, Sambalpur Circle, Sambalpur had issued direction vide letter no. 19376, dated 11.11.2009 to stop mining operation including transporting of minerals from 12.11.2009 and copy of the same is enclosed by the proponent along with the reply letter as **Annexure-2**.
- (vii) The mining authority had suppressed the above fact earlier and obtained ToR from the SEAC for EIA study.
- (viii) They have also not applied in the violation portal in due date.

After detailed deliberations on the proposal in terms of the provisions of the MoEF&CC, Govt. of India Notification dated 14<sup>th</sup> March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to return the proposal to SEIAA, Odisha with a request to intimate the above to the Mining Authority.

#### **IV. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR BUDHABALANGA BARRAGE PROJECT AT VILLAGE KAMATA, IN KULIANA BLOCK OF MAYURBHANJ DISTRICT OF MAYURBHANJ INVESTIGATION DIVISION UDALA WITH CCA-8523 HA (TOR)**

1. The proposed Budhbalanga Barrage Project is located near village Kamata in Baripada Sub-Division of Mayurbhanj District in the state of Odisha. Geographical location of the proposed project is 22°-03'-46" N, Latitude 86°-38'-22" E longitude in reference topo sheet nos are 73K/1, 73K/5, 73G/13 and 73F/16. Height above MSL 396 m to 398 m nearest town/major habitation is Baripada at 15 Km from the project site. Nearest habitations are Kamata village at 2.0 Km. from project site. Nearest Major Road /Highway is NH-18 at 1.00 km from proposed project site. Nearest railway station is Baripada of S.E. Railway in Mayurbhanj Dist at 18.7 Km (In aerial distance) from the project site. Nearest River is Palpalaa 8.5 km distance from project site.
2. The catchment area of the proposed project at site is 1008 Sq K.M. The Project has planned to irrigate 8523 Ha. of C.C.A. with 95.00% intensity during Khariff. The scope of the project is to construct a Barrage at Kamta on Budhbalanga river to irrigate an ayacut

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of 8523 Ha. The pond level of Barrage is kept at RL 54.00M. The Length of the Barrage comes to 216.00M. The crest level of the barrage is kept at RL 44.00M 10 nos of bays of 12.50mx11.00m size vertical gates shall be provided to pass the flood discharge. Under sluice 5 nos of size 10.00mx12.50m shall be provided to take care of distillation. The barrage is designed for the maximum flood discharge of 3996 cumecs. The site has been inspected to by the geologist. Alternatives sites were explored which are not found suitable. Hence present site is found to be technically most feasible. The Right Main canal is proposed to take-off through the H.R. from the Barrage with Bed level at 52.00M to provide irrigation to an area of 8100.00 Ha. inKhariff.

3. The main canal of this project is a contour canal and off takes only right side of barrage axis. At starting it is travelling 21.15 KM inside the existing ayacut area of Balidiha Dam project then its own ayacut is starting. The length of the main canal is 37.60 KM. Sill level of the head regulator is at RL 52.00M. The design discharge at the head reach is 9.416Cumecs. Full supply level at the head reach is 53.60M. The full supply depth at the head reach is 1.600M. The bed width of the main canal at the head reach is 7.50M. Moreover, for distribution system there are 4 nos. of distributaries, 1 no. of Minor, 16 nos. of sub-minors and 18 nos. of direct outlets from the main canal has been provided.
4. The estimated cost of the project based on latest schedule of rate (SR-2014) is ₹ 24237.00 lakhs, with B.C. ratio 1.55. On construction of the project 15 ha. Of forest will come under the canal and distributaries area. In the Project estimate there is a provision of plantation for ₹ 21.64 lakhs, drainage for ₹ 30.74 lakhs and environment and ecology for ₹ 164.36 lakhs. Provision for drinking water has been considered for a population of 5000 people @ 90 litres per capita per day:
5. On completion the Project will provide irrigation to 77 Nos of villages in 2 nos. of blocks, i.e. Shamakhunta & Badasahi. Number of the beneficiaries of the project is 22,949 out of which 17,292 nos. (75.3%) belong to S.T. and 1286 nos. (5.6%) belong to S.C. community. Hence the project after completion shall benefit 80.9% of S.T. and S.C. community of 77 nos. of villages in the backward district of Mayurbhanj.
6. The intensity of irrigation of the three beneficiary blocks is presently 23.6% which will be enhanced to 38.5% after completion of the project. The Government of Odisha is keen to ensure minimum 35% irrigation in all the blocks of the state. Hence implementation of the project is necessary to ensure the above target of the Government.
7. For the upliftment of the S.T. and S.C. population in a backward district and to fulfill the Govt. manifesto of minimum 35% irrigation in each block of the state it is necessary to take up this project. Hence the august State Expert Appraisal Committee may be pleased to grant Environmental clearance for the Project.
8. Boundary of Similipal National Park is about 6.7 km from the project site.
9. The project proponent along with the consultant **M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar** made a detailed presentation on the proposal.
10. The proponent has requested to consider the project as category B2 as per MoEF&CC, Govt. of India notification vide S.O. (E) 3181, dated 14.08.2018.
11. The proposal was placed before the SEAC in its meeting held on 06.12.2018. The SEAC decided to take decision on the proposal after receipt of certain information/ documents from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
(i)	Detailed EMP as stipulated in MoEF&CC, Govt. of India notification vide S.O. (E) 3181, dated 14.08.2018	Detailed EMP has been furnished.	On scrutinization of the EMP following deficiencies were noticed: (i) Project sub-head wise cost breakup has not been given. (ii) Environmental Mitigative measures Breakup cost has not been given. (iii) Environmental flow of downstream has not been given.
(ii)	Status of forest clearance for forest land involved in the barrage project.	Tender Process of Forest Diversion proposal is in progress	The proponent has to submit copy of application submitted for diversion of forest land involved in the barrage project.

12. SEAC on its meeting held on 15.04.2019 decided to take decision on the proposal after receipt of the following information / documents from the proponent.

- (i) Copy of application submitted for diversion of forest land involved in the barrage project.
- (ii) Project sub-head wise cost breakup.
- (iii) Environmental Mitigative measures breakup cost.
- (iv) Environmental flow of downstream.


13. The clarification letter issued by SEAC letter no: 42/SEAC-(Misc)-28, Dt:02.05.19 had been uploaded online as compliance on 27.11.2019.

After detailed discussion, the SEAC decided to ask the proponent to submit the required information / documents as requested vide letter no. 42/SEAC-(Misc)-28, dated 02.05.2019.

**V. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR KALA BARRAGE PROJECT AT VILLAGE KALIAPAL, BLOCK-BARKOTE, TEHSIL-BARKOTE IN THE DISTRICT OF DEOGARH WITH CULTURABLE COMMAND AREA (CCA) – 4050 HA OF DEPARTMENT OF WATER RESOURCES, GOVT. OF ODISHA, (TOR).**

1. Proposal of Kala Barrage Project at village Kaliapal, Block-Barkote, Tehsil-Barkote in the district of Deogarh with Culturable Command Area (CCA) – 4050 ha of Department of Water Resources, Govt. of Odisha was discussed in the SEAC meeting held on 29.09.2018. The SEAC had recommended for issue of ToRs for conducting detailed EIA study.
2. The proponent has requested to consider the project as category B2 as per MoEF&CC, Govt. of India notification vide S.O. (E) 3181, dated 14.08.2018.
3. The SEAC in its meeting held on 10.10.2018, decided to take decision on the proposal after receipt of the following information/ documents from the proponent:

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(i) Detailed EMP as stipulated in MoEF&CC, Govt. of India notification vide S.O. (E) 3181, dated 14.08.2018.

(ii) Status of Forest Clearance for forest land involved in the barrage project.

4. The proponent has uploaded the clarification letter issued by SEAC vide letter no: 937 (3), dated 16.11.2018 in online on 29.11.2019 as compliance.

After detailed discussion, the SEAC decided to ask the proponent to submit the required information / documents as requested vide letter no. 937 (3), dated 16.11.2018.

**VI. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED EXPANSION OF RESIDENTIAL CUM COMMERCIAL COMPLEX 'MANI TRIBHUVAN' (FORMERLY KNOWN AS "MANI TIRUMALA") AT MOUZA-KALARAHANGA, PS CHANDRASEKHARPUR, NANDAN KANAN ROAD, DIST- KHORDHA OVER TOTAL BUILTUP AREA OF 1,46,550.86M<sup>2</sup> (EXISTING : 76050.80 + PROPOSED EXPANSION : 70500.06 M<sup>2</sup>) – SUBMITTED UNDER VIOLATION CASE. (TOR)**

1. Mani Tirumala Projects Pvt. Ltd., the project proponent is intending to take up expansion of the residential complex "MANI TRIBHUVAN" (Previously known as "MANI TIRUMALA") at Plot Nos.13, 15, 21 To 31, 33, 36, 37, 38, 26/2573, 40 To 49, 58, 59 & 125 (Part) Mouza: Kalarahanga, P.S: Chandrasekharpur, Nandan Kannan Road, District Khurda, Odisha. The Geographical coordinate of the project site is: Latitude - 20° 22' 9.08" N & Longitude - 85° 50' 3.35" E.
2. The project proponent under existing part of the project had constructed 11 Blocks of Building of G+14 configuration comprising of 625 dwelling units on 9.83 acres (as sanctioned).
3. Environmental Clearance for the existing project was already granted by the SEIAA, Odisha on dated 02.04.2011. The proponent has also obtained Consent to Establish from the State Pollution Control Board, Odisha vide OM no. 6449/ IND-II/NOC-5402, dated 16.04.2011.
4. The project proponent now intends to take-up an expansion programme as follows, under which Tower-12 (A & B) of configuration B+G+27 will be constructed. In addition, 11 blocks of Duplex of configuration G+6 & G+7 will be constructed. 154 residential units will be accommodated in the proposed Tower - 12 and there will be 71 units in the Duplex blocks.

Existing project	Expansion project
<ul style="list-style-type: none"><li>• 11 Blocks, B+G+14</li><li>• 603 units</li></ul>	<ul style="list-style-type: none"><li>• 22 units in 11 Towers of Phase-1.</li><li>• Tower 12 (twin tower with common podium) having 154 units of a total height of 91 mtrs.</li><li>• 3 nos. single storied utility shops have been proposed at the ground floor of Tower 12 to cater to the population of the development.</li><li>• Duplex low rise bungalows:<ul style="list-style-type: none"><li>• 5 nos. G+7 duplex bungalow. Each bungalow is of 23.95 mtr. Height having 7 units each. Hence 5 bungalow buildings are having 35 units in total</li><li>• 6 nos. G+6 duplex bungalow. Each bungalow is of 20.95 mtr height having 6 units each. Hence 6 bungalows buildings are having 36 units in total.</li></ul></li></ul>

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Existing project	Expansion project
Built-up Area - 76050.80 m <sup>2</sup>	• Built-up Area - 70500.06 m <sup>2</sup>


5. The proposed expansion activity is covered under category B of item 8 (a) of Schedule to the EIA Notification, 2006, and requires prior EC from the SEIAA in Odisha based on the appraisal by SEAC.

6. **Proposed Land Use:**

Sl. No.		phase -1 (block 1-11)	Phase -1 (block 12 and single storied shops)	Phase -2 (duplex)	Total: extension	Total: overall	Overall percentage of the entire project
1	2	3	4	5	4 + 5 = 6	3 + 6 = 7	8
		Area (sqm)	Area (sqm)	Area (sqm)	Area (sqm)	Area (sqm)	%
1	Gross Land Area					52325.42	
2	Ground Coverage	17745.4	3279.21	3110.9	6390.11	24135.51	46.12
3	Total Green Area					18448.895	35.26
	Tree Plantation Area	8007.40	714.41	2106.07	2820.48	10827.88	20.7
	Other Green Area	861.15		1131.67	1131.67	1992.82	
	50% of Semipaved area & parking areas	1671.63	1113.54	2843.025	3956.565	5628.195	
4	Total Paved Area					9741.015	18.61
	Road area at stilt level	3665.50	-	-	-	3,665.50	
	50% of Semi Paved Area/open parking	1671.63	1113.54	2843.025	3956.565	5628.195	
	Other hard paved areas					447.32	
5	<b>TOTAL</b> (Ground covered + total green area+ Hard paving area)					<b>52,325.42</b>	<b>100%</b>

7. **Water Supply, Wastewater Generation, Recycling and Discharge:**

Total water demand for the proposed expansion part of the Residential Complex project during operation stage will be around 219.03 KLD. Daily fresh water requirement to the Proceedings of the SEAC meeting held on 24<sup>th</sup> December, 2019

  
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tune of 123.56 KLD will be sourced from BDA Water Supply System and groundwater abstraction shall be done. Relevant permission from the respective authorities has already been obtained. In addition, treated wastewater to the tune of 95.47 KLD will be utilized in non-critical purposes like toilet flushing, landscaping, car washing, etc.

## 8. WASTE WATER:

### A. WASTE WATER GENERATION FOR TOWER 12

Sl. No.	Category	Water requirement (kld)		Waste water to the STP (kld)
		Fresh Water (kld)	Treated Wastewater (kld)	
1.	Residential Population	69.65	34.30	83.16
2.	Floating Population	0.38	0.77	0.92
3.	O & M Population	2.32	1.14	2.77
4.	Club	7.56	1.89	7.56
5.	Irrigation		4.51	-
6.	Car Wash (nos.)		7.12	7.12
	<b>TOTAL</b>	<b>79.91</b>	<b>49.74</b>	<b>101.54</b>
	- Raw Wastewater to S.T.P.		INPUT	101.54
	- Treated Wastewater from S.T.P.		OUTPUT	99.00
	- Treated Wastewater to REUSE			49.74
	- Treated Wastewater disposal			49.26

### B. WASTE WATER GENERATION FOR DUPLEX

Sl. No.	Category	Water requirement (KLD)		Waste water to the STP (KLD)
		Fresh Water (KLD)	Treated Wastewater (KLD)	
1	Residential Population	32.11	15.82	38.34
2	Floating Population	0.18	0.36	0.43
3	O & M Population	1.07	0.53	1.28
4	Irrigation		17.24	-
5	Car Wash(nos)		5.68	5.68
	<b>TOTAL</b>	<b>33.36</b>	<b>39.62</b>	<b>45.72</b>
	• Raw Wastewater to S.T.P.		INPUT	45.72
	• Treated Wastewater from S.T.P.		OUTPUT	44.58
	• Treated Wastewater to REUSE			39.62
	• Treated Wastewater disposal			4.96

### C. WASTE WATER GENERATION FOR ADDITIONAL 22 UNITS IN THE 11 TOWERS OF THE EXISTING UNIT

Sl. No.	Category	Water requirement		Waste water to the STP (Kld)
		Fresh Water (Kld)	Treated Waste water (Kld)	
1	Residential Population	9.9	4.95	11.88
2	Floating Population	0.06	0.11	0.136
3	O&M Population	0.33	0.17	0.4
4	Car Wash	-	0.88	0.88

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Sl. No.	Category	Water requirement		Waste water to the STP (Kld)
		Fresh Water (Kld)	Treated Waste water (Kld)	
	Total	10.29	6.11	13.30
	Raw Wastewater to S.T.P			13.3
	Treated Wastewater from S.T.P.			12.97
	Treated Wastewater for Reuse			6.11
	Treated Wastewater for disposal			6.86

#### 9. Wastewater Treatment

2 STPs based on SBR (Sequential Batch Reactor) Technology of capacities 100 KL & 50 KL shall be set up for the Towers and the Duplex respectively, i.e. for expansion part of the project. Wastewater from the additional 22 flats in 11 Towers of existing project shall be treated in the existing STPs with existing part of the project. Treated water, meeting the relevant norms, to the tune of 95.47 KLD, will be used for non-critical purposes like toilet flushing, car washing & irrigation purposes, etc. within the complex. Treated wastewater in excess (61.08 KLD) will be discharged into the public sewer system.

#### 10. Municipal Solid Waste Generation and its Management:

During Construction phase, discarded cement bags, waste paper and cardboard packing material etc. will be sold off to recyclers. Unusable steel bits and pieces will be collected at site and sold to the recyclers. Construction debris and excavated earth will be used for land development purposes within the project site.

Solid waste generated during operational phase of expansion part of the project (around 674.8 kg/day) will be domestic in nature. These solid wastes will be segregated into biodegradable and non-biodegradable wastes and collected in separate bins. The non-biodegradable recyclable wastes will be sold to recyclers and the biodegradable and non-biodegradable inert / unusable wastes will be collected by BDA for final disposal on regular basis.

#### 11. Rain Water Harvesting:

Rain Water Recharging pits are being proposed for artificial rain water recharge within the project premises. 5 nos. of rainwater recharge pits have been proposed.

#### 12. Storm Water Management

A well-designed storm drainage system will be constructed in the complex. Storm drains of the complex will collect and convey the rain water into the adjacent public sewer / drainage system. While designing the internal drainage system, invert level of the public rain in-front of the project site will be given due consideration to avoid any floods or water logging in the site.

#### 13. Electricity, DG sets, Stack height


Electricity will be supplied by CESU. The connected load will be about 1603 KVA. Electricity will be sourced from CESU. The expansion part of the project shall be provided with 2 DG sets of 500 KVA capacity each. The emission from DG sets will be discharged through a 4.5 meter stack for each DG set above the roof of the building. Low sulphur diesel will be used.

14. **Project Cost:** Estimated Project cost is around 80 Crores.
15. **Plantation / greenbelt:** 20.7 % has been earmarked for greenbelt area.
16. The proponent had started construction work on site without prior Environmental Clearance under EIA Notification 2006. 22 additional flats have been constructed in phase – I. In phase – II excavation work has been started for duplex low rise bungalow nos. 1,8,9,10,11. Raft foundation has been completed and tie beam work is going on for duplex low rise bungalow nos. 2,3,4,5,6,7. Hence, this a violation case.
17. The proponent submitted the proposal to MoEF&CC, Govt. of India on 12.09.2017 as violation case as per MoEF&CC, Govt. of India Notification S.O. 804 (E) dated 14.03.2017.
18. The MoEF&CC, Govt. of India had issued Office Memorandum No. Z-11013/22/2017-IA-II (M), dated 15.03.2018, which stipulates that all the proposals of category 'B' projects/activities pertaining to different sectors, received within six months only i.e. up to 13th September, 2017 on the MoEF&CC, Govt. of India portal, but yet not considered by the EAC of MoEF&CC, Govt. of India, shall be transferred online to the SEAC/SEIAAs in the respective States/UTs.
19. This proposal was not considered by the EAC of MoEF&CC, Govt. of India. Hence, the MoEF&CC, Govt. of India had transferred the proposal to SEIAA, Odisha for consideration as per MoEF&CC, Govt. of India Notification S.O. 804 (E) dated 14.03.2017.
20. The proponent along with the consultant Envirotech East Pvt. Ltd. UNF-13, Unnayan Commercial Complex, 1050/1, Survey Park, Kolkata-700075 made a detailed presentation before the SEAC.
21. The SEAC on its meeting held on 10-08-2018 after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC, Govt. of India Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to take decision on the proposal after receipt of the following. A site visit to the existing project also to be conducted by the Sub-Committee of SEAC to verify the present development.
  - a) Detailed construction status of existing project for which Environmental Clearance obtained including greenbelt, drainage system, STP and Solid Waste Management.
  - b) Details of the proposed project along with modified approval of BDA for the proposed project.
  - c) Details of construction already done for the proposed project for which the case has been considered as a violation case whether the section of column of foundation is sufficient for proposed extension of project.
  - d) Status of clearance from Water Resources Department, Govt. of Odisha for drawal of water for existing project.
  - e) Greenbelt area of 20% to be justified for the existing as well as proposed project.
  - f) Solid waste management plan for the proposed project.
  - g) Detailed water balance of existing as well as proposed project.

22. The Sub-Committee of SEAC had visited the site on 17-08-2018. The Committee observed the following during the visit:
- Construction work for the proposed project is going on.
  - Greenbelt in the existing complex is found missing / not available except decorative plants.
23. The Sub-Committee recommended that the construction of any nature should be immediately stopped forthwith by appropriate authority.
24. The SEAC in its meeting held on 29-09-2018 decided to request the SEIAA, Odisha to issue direction to the proponent to stop construction activity immediately and accordingly the SEIAA, Odisha was requested vide letter no: 859/SEAC-59, 22-10-2018 to issue direction to the proponent.
25. Now the project proponent has furnished compliances in hard copy as desired by the committee vide letter dated 06.12.2019 as follows. The proponent has not uploaded the information / documents as sought for in online portal and same is showing pending at the proponent level.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
(i)	Detailed construction status of existing project for which Environmental Clearance obtained including greenbelt, drainage system, STP and Solid Waste Management.	<ul style="list-style-type: none"> <li>Greenbelt development has already been initiated at site. 786 numbers of trees have already been planted at site. Additional 400 trees are under plantation. Total 1186 number of trees shall be there at site. The details of plantation are as per <b>Annexure -1</b>.</li> <li>The project premises has an efficient drainage system which has been designed taking into consideration the ground profile and the different drainage channels in the neighborhood and it has been ensured that there is no water logging within the premises. As such, no impact on the natural drainage pattern of the area is envisaged due to operation of this project.</li> <li>Two STPs of 330 KL capacity (for Block -1 to 8) and 100 KL capacity (Block -9 to 11) have already been installed at site. STP details and related documents have been provided in <b>Annexure -2A &amp; 2B</b>.</li> <li>2 Garbage rooms adding up to 1700.75 sqft. area has been provided for segregation of municipal solid waste. Agreement with a private agency has been already done for collection and disposal of MSW. So as to keep the development in line with the modern day requirements, additionally 2 Nos. of composter plants of 250 Kg capacity for Block 9 -11 and 750Kg capacity for Blocks 1-8 have been ordered for management of organic waste. Attached offer letter and order copy of composters – <b>Annexure -3</b>. This will be at site within the next 5-6 weeks.</li> <li>MSW collection agreement has been provided in <b>Annexure - 4</b>.</li> </ul>
(ii)	Details of the proposed project	Modified approval of BDA for the proposed project has been presented in <b>Annexure - 5</b>

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
	along with modified approval of BDA for the proposed project.	
(iii)	Details of construction already done for the proposed project for which the case has been considered as a violation case whether the section of column of foundation is sufficient for proposed extension of project.	Additional 22 flats have been built in the 11 blocks of Phase 1, details in <b>Annexure - 6</b> . Status report of expansion (Phase -2) is attached as <b>Annexure -7</b> . Structural Stability Certificate for 22 additional flats have been attached as <b>Annexure - 8</b> .
(iv)	Status of clearance from Water Resources Department, Govt. of Odisha for drawal of water for existing project.	Ground Water Clearance letter no. 21-4(276)/CGWA/SER/2010-2547 Dated 5 <sup>th</sup> Nov, 2010, by Central Ground Water Authority has been presented in <b>Annexure - 9</b>
(v)	Greenbelt area of 20% to be justified for the existing as well as proposed project.	Greenbelt area has been considered based on the total land area and the land use plan. Calculation for the number of trees has been done taking into consideration 700 trees / hectare. Greenbelt details have been provided in <b>Annexure -1</b>
(vi)	Solid waste management plan for the proposed project.	2 Garbage rooms adding up to 1700.75 sqft. Area has been provided for segregation of municipal solid waste. Agreement with a private agency has been already done for collection and disposal of MSW. 2 nos of composter plants of capacity 250 Kg capacity for Blocks 9-11 and 750 kg capacity for Blocks 1-8 have been ordered for management of organic waste. MSW garbage collection agreement has been provided in <b>Annexure - 4</b> . Order copy composter plants are provided in <b>Annexure - 3</b>
(vii)	Detailed water balance for existing as well as proposed project	Detailed water balance for existing as well as proposed project has been provided in <b>Annexure -10</b> .

After detailed discussion, the SEAC recommended the following:

- (i) The SEIAA, Odisha may be requested to intimate the status of direction if any issued to the proponent as requested vide letter no. 859/SEAC-59, dated 22.10.2018.
- (ii) The proponent may be requested to upload the information / documents as sought for by the SEAC vide letter no. 743(2)/SEAC-Misc.28, dated 10.09.2018 in online portal for further processing of the application of the proponent.



**VII. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED EXPANSION FOR CONSTRUCTION OF HOUSING COLONY AND CONVENIENT SHOPPING (PHASE-III) OF M/S. Z-ESTATES PVT. LTD. AT KALARAHANGA, BHUBANESWAR WITH BUILT UP AREA 3,95,865.09 M<sup>2</sup> - (EC)**

1. This is a proposal for Environmental Clearance for proposed expansion for Construction of Housing Colony and Convenient Shopping (Phase-III) at Mouza- Kalarahanga, Bhubaneswar, Odisha.
2. The proposal falls under category 'B', Section 8 (b) "Townships and Area Development projects" of Schedule of EIA Notification 2006 and amendment thereafter.
3. The site is located at Kalarahanga, Bhubaneswar, Odisha. The Geographical co-ordinate of the project site is: Latitude - 20° 22' 0.72" N & Longitude - 85° 50' 06.28" E. The project site is well connected with Nandan Kanan Road which take towards National Highway-6 (Kolkata-Chennai Road). Nandan Kanan road is 0.1 Km from proposed site. The nearest railway station is Mancheswar Railway station at a distance of approx. 5.1 Km in South direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 13.5 Km in South West direction from project site. The site is easily accessible from Nandan Kanan Road.


**4. THE BUILDING DETAILS OF THE PROJECT:**

The proposed project is the Third phase of the building covering a built up area of 2,09,960.21 m<sup>2</sup> (including parking). The first phase building had a built up area 73,958.9 m<sup>2</sup> (Occupancy Obtained) & the second phase building had a built up area 1,11,945.98 m<sup>2</sup> (which is Under Construction) and the plot area is 1,23,717 m<sup>2</sup>. So total Built up area for Phase-I & Phase-II is 1,85,904.880 m<sup>2</sup> for which Environmental Clearance was obtained from SEIAA, Odisha vide letter no. for Phase - I SEIAA – 261 / 10, dated 16.08.2011 and for Phase-II vide letter no. SEIAA/827, dated 23.02.2016. Hence total built up area of the proposed project will be 3,95,865.09 m<sup>2</sup> & the revised plot area is 1,41,590.23 m<sup>2</sup>.

A comparative statement of the existing and proposed project with respect to built up area as well as other requirements are given below:

Sl. No.	Particular	Phase-I	Phase-II	Phase-III	Total
1.	Plot Area	1,23,717.0 m <sup>2</sup>		17,873.23 m <sup>2</sup>	1,41,590.23 m <sup>2</sup>
2.	Built up Area	73,958.9 m <sup>2</sup>	1,11,945.98 m <sup>2</sup>	2,09,960.21 m <sup>2</sup>	3,95,865.09 m <sup>2</sup>
3.	Green Belt Area	30,929.22 m <sup>2</sup>		20,922.87 m <sup>2</sup>	51,852.09 m <sup>2</sup>
4.	Road Area	20,000 m <sup>2</sup>		2,000.00 m <sup>2</sup>	22,000.00 m <sup>2</sup>
5.	Basement Parking Area	24,610.0 m <sup>2</sup>	25,371.0 m <sup>2</sup>	46,001.54 m <sup>2</sup>	95,982.54 m <sup>2</sup>
6.	Total Water Requirement	423.51 KLD	561 KLD	708 KLD	1692.51 KLD
7.	Fresh Water Requirement	234.17 KLD	310.79 KLD	471.0 KLD	1015.96 KLD
8.	Waste Water Requirement	262.3 KLD	448.7 KLD	602.0 KLD	1313 KLD
9.	STP Capacity	270 KLD	580 KLD	650 KLD	1500 KLD
10.	Power Requirement	2.3 MW	2.9 MW	3.1 MW	8.3 MW
11.	Solid Waste	1.15 TPD	1.29 TPD	2.41 TPD	4.85 TPD

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Sl. No.	Particular	Phase-I	Phase-II	Phase-III	Total
	Generation				
12.	Dwelling Unit	444 Unit	588 Unit	586 Unit 635 Units EWS	1618 Unit 635 Units EWS

**BUILTUP AREA DETAIL PHASE WISE:**

Sl. No.	Detail of building	Tower	Area in m <sup>2</sup>	Total built up area
<b>Statement of area for Ph-I (completed)</b>				
1	B+G+14	1	10695.75	<b>73,958.9 m<sup>2</sup></b>
2	B+G+14	2	8551.83	
3	B+G+12	3	6883.42	
4	B+G+14	4	8761.89	
5	B+G+14	5	9498.15	
6	B+G+12	6	7057.98	
7	B+G+14	7	8559.3	
8	B+G+14	8	10670.25	
9	Community Hall		2618.13	
10	Dormitory		662.20	
<b>Total Built up Area (Phase-I)</b>			<b>73,958.9</b>	
<b>Statement of area for Ph-II (under construction) &amp; Ph-III (proposed)</b>				
1	Ph-II Residential	111945.98	<b>139970.59</b>	<b>3,21,906.19 m<sup>2</sup></b>
2	Ph-III Residential	139970.59		
4	EWS (G+22)		20159.50	
5	Convenient Shopping Building	G+2	757.03	
6	Toilet & Dormitory	G+1	180.20	
7	Toilet/Driver Rest Room	G	55.86	
8	Club House-II	G+2	2740.49	
9	Parking & Services		45736.54	
<b>Total Built up Area (Phase-III)</b>			<b>3,21,906.19</b>	
<b>Total Built up Area</b>				<b>3,95,865.09 m<sup>2</sup></b>
<b>Total Builtup Area (Phase-I + Phase-II + Phase-III) = 73,958.9 + 3,21,906.19 = 3,95,865.09 m<sup>2</sup></b>				

**5. REQUIREMENT FOR THE PROPOSED PROJECT:**

**(i) Power requirement:**

The daily power requirement for the proposed expansion Project is preliminarily assessed as **3045 KW** source from CESU of Odisha State Electricity Board. In order to meet emergency power requirements during the grid failure, there is provision of 3 nos. of DG set having 500 KVA capacities for power back up in the proposed expansion Project.

For energy conservation, there will be 120 nos. of Solar Lighting poles (@72 Watt) has been proposed for Street & common area solar lighting, so

Energy conservation by using Solar Street Lighting = 120 x 72 = 8640 watt = 8.6 KW

Energy conservation by using Solar lighting for common area = 200 KW

Total Energy Conservation = (200 + 8.6) KW = 208.6 KW

Total Energy saving = 208.6/3045 = 0.0685 x 100 = 6.8 %

(ii) **Water requirement:**

Fresh make up of 471.0 m<sup>3</sup>/day will be required for the project which will be sourced from Ground Water Supply. Waste water of 602 KLD will be treated in a STP of 650 KLD capacity, which includes primary, secondary and tertiary treatment. After treatment the treated water will be discharge to the Buri Nalpa. Rain Water will be harvested through 41 no. of recharging pits.

(iii) **Firefighting Installations:**

Firefighting system will be installed as per recommendation of the Fire fighting Officer, Odisha and as per the guideline of NBC (part-4).

(iv) **Green Belt Development:**

Green belt will be developed over an area of 51,852.09 sqm which is 35.40 % of the plot area; by using the local species like Radhachuda, Nageswar, Akash Neem, Ashok, Polanga, Karang, Bela, Pijitu, Kaniara, Tagar, Hena, etc.

(v) **Solid Waste Management:**


From the residential complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.45 kg/capita/day, which will be about 5225 x 0.45 = 2351.25 kg/day. The generated solid waste from the residential complex will be segregated as biodegradable and non-biodegradable. This will be collected in separate coloured beans. Proper waste management practices will be adopted during the collection, storing and disposal of the generated solid waste.

Waste generated from Floating people will be @ 0.15 kg/capita/day, which will be about 166 x 0.15 = 24.9 kg/day. Solid waste from sweeping and Dry Garbage containing non bio-degradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved agency for final disposal. The biodegradable waste will be converted to manure by an organic waste convertor, which will be used for landscaping.

Sl. No.	Category	Counts (heads)	Waste generated
1.	Residents	5225 @ 0.45 kg/day	2351.25
2.	Floating	166 @ 0.15 kg/day	24.9
3.	STP sludge		35
<b>Total solid waste generated</b>			<b>2411.15 kg/day</b>

6. The ToR for Phase- III had been granted by SEAC, Odisha vide letter no. 845 / SIA / OR / NCP / 28277 / 2018 / SEAC / 156, dated 12.10.2018.
7. Baseline study was conducted during spring season i.e. from March 2018 to May 2018.
8. ToR compliance regarding detailing of Project proponent, project consultants land description was compiled.
9. The proponent has obtained Certified Compliance Report for previous Environmental Clearance from Regional Office, MoEF&CC, Bhubaneswar on 11.12.2018.
10. Estimated Project cost:  
Total Capital Cost = ₹ 300 Crores  
Environment Management Cost = ₹ 2.25 Crores
11. The project proponent along with their consultants **M/s Enviro Infra Solutions Pvt. Ltd., 301, 302 & 305, SRBC building, Vasundhara Sector - 9, Ghaziabad, Uttar Pradesh - 201012 and M/s Centre for Envotech & Management Consultancy Pvt. Ltd., N-5/305,**

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IRC Village, Bhubaneswar, Odisha made a detailed presentation on the proposal before the SEAC.

12. SEAC on its meeting held on 12-06-2019, decided to take decision on the proposal after receipt of certain information / documents from the proponent followed by site visit by the sub-Committee of SEAC. The project proponent has furnished compliances as desired by the committee vide letter dated 14.10.2019 as follows:


Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	Certificate from the concerned DFO about the distance of the project site from the Eco-Sensitive Zone of Chandaka-Dampada Wildlife Sanctuary and Nandan Kanan Sanctuary	Certificate from the concerned DFO about the distance of the project site from the Eco-Sensitive Zone of Chandaka-Dampada Wildlife Sanctuary and Nandan Kanan Sanctuary is attached in <b>Annexure-1</b> .  Hence, the site is outside the Chandaka- Dampara Eco-Sensitive Zone boundary.	The proponent has to submit the copy of application for Wildlife Clearance submitted to MoEF&CC, Govt. of India as the project is located within 10 km (default) from Nandan Kanan Sanctuary.
2.	Status of Wildlife Clearance along with copy of the application submitted for wildlife clearance (if any) as the project is located within 10 km (default) from the boundary of Nandan Kanan National Park	As per MoEF&CC notification no. S.O. 5736 (E), dated 15th Nov., 2018, General condition doesn't apply for Building & Construction Project. However the notification regarding Nandankanan Sanctuary is not yet notified and is still in the shape of draft notification (Enclosed as <b>Annexure-2</b> ). The letter from Director, Nandan Kanan Biological Park enclosed in <b>Annexure-3</b> .  However we are in the process of applying for Wild-Life clearance and copy of the same shall be submitted in due course.	The proponent has to submit the copy of application for Wildlife Clearance submitted to MoEF&CC, Govt. of India as the project is located within 10 km (default) from Nandan Kanan Sanctuary.
3.	Permission status from Water Resources, Govt. of Odisha for ground water drawal from phase - I onward including use of ground water / bore well at construction stage	Total Fresh water requirement for Phase-I & II is 551.20 KLD.  Total Fresh water requirement for Phase-III is 471.0 KLD.  Water permission letter from CGWA is attached in <b>Annexure-4</b> .  Letter from Directorate of Ground Water Development, Odisha is enclosed in <b>Annexure-5A &amp; 5B</b> .  In the construction of Phase-II, Ground Water is not used	Condition to be given in Environmental Clearance.

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
4.	A study to be carried out on impact on ground water table as the proponent is drawing huge quantity of ground water and study report to be submitted	<p>during the construction activity.</p> <p>The study of Water levels recorded in the data logger is measured in metre form March-19 to August-19 at 10:00 AM &amp; 10:00 PM i.e. for a period of 6 months. During this period the water levels vary between 6.41 m and 9.74 m. It indicates there is a variation of 3.06 m in water levels in these 6 months. This variation water level seems to be due to seasonal fluctuation. 9.74 m occurs on 3<sup>rd</sup> April, 2019 which is during pre-monsoon period. 6.41 m occurs on 6th July 2019 i.e. during monsoon month. It indicates there is a rise in water level during monsoon which is justified. The project proponent is drawing 220 m<sup>3</sup> of water per day. 17 nos of recharge structures, whose photographs are enclosed, have also been constructed to replenish ground water. To assess the impact on groundwater table as per the renewal NOC issued by CGWA vide letter No.21-4(287)/SER/CGWA/2011-683 dated 16.07.2019 the conditions must be implemented, data must be kept and the same should be submitted to CGWA on regular basis so that in future the impact on groundwater can be identified and mitigative measures can be implemented.</p> <p>Copy of the study report submitted to CGWB during obtaining NOC is enclosed as <b>Annexure-6</b>.</p>	Condition to be given in Environmental Clearance.
5.	Certificate of compliance to Consent to Operate conditions of existing projects from State Pollution Control Board,	<p>Letters has been submitted to State Pollution Control Board, Odisha for inspection and verify the compliance of Consent to Operate condition.</p> <p>Point wise compliance to</p>	Certificate of compliance to Consent to Operate conditions of existing projects from State Pollution Control Board, Odisha has to

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	Odisha	conditions for Consent to Operate is given in <b>Annexure-7.</b>	be submitted by the proponent.
6.	Detailed water balance phase wise and combined	For Phase- I & II Fresh Water Requirement is 551.20 KLD. Total Water Requirement is 984.51 KLD. Total Waste Water Generation is 710.84 KLD. For Phase- III Fresh Water Requirement is 471.0 KLD. Total Water Requirement is 708.0 KLD. Total Waste Water Generation is 602.0 KLD. For Phase- I, II & III Fresh Water Requirement is 1022.20 KLD. Total Water Requirement is 1692.51 KLD. Total Waste Water Generation is 1312.84 KLD. Phase wise and combined water balance is attached in <b>Annexure-8.</b>	Complied
7.	DG set stack height details including location and its effect w.r.t. sound and emission on periphery as well on the existing and proposed dwellers	The stack height for PH-I has been kept as per statutory norms and the location was made away from the building. The stack Height for PH-II & PH-III shall be kept as per the statutory norms. The dispersion modeling also shows that Ambient Air Quality values are very low near the building and much lower than the stipulated norms. Details given in <b>Annexure-9.</b> Noise level of the area is well within the norm. Noise Monitoring Report is attached in <b>Annexure-10.</b> Every DG Set has an acoustic enclosure to dampen the noise generated.	The proponent has to comply as per report of the Sub-Committee of SEAC.
8.	Details of STP for waste water treatment (phase	Capacity of STP for Phase I is 270 KLD, which is already in	The proponent has to comply as per report of the Sub-

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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	wise).	<p>Operation.</p> <p>Capacity of STP for Phase II is 580 KLD, which is under construction.</p> <p>Capacity of STP for Phase III is 650 KLD (The technology and process details are under Technical Evaluation and shall be intimated after finalization.</p> <p>The function and treatment process for the existing STP (270 KLD) is attached in <b>Annexure-11</b>.</p>	Committee of SEAC.
9.	Detailed calculation for providing rainwater recharge pits	<p>For Phase I total 17 nos. Of Rain Water Harvesting pits has been constructed for Ground Water Recharging.</p> <p>Phase II project is under construction stage. Details Rain water harvesting details for entire phases is attached in <b>Annexure-12</b>.</p> <p>Total 58 nos. of Rain Water Harvesting Pits shall be provided after completion of entire project.</p>	The proponent has to comply as per report of the Sub-Committee of SEAC.
10.	Details of Solid Waste Management (phase wise). If outsourced, copy of agreement with agency collecting solid waste from the premises	<p>Solid waste generation for Phase I &amp; Phase II will be 2.44 TPD.</p> <p>Solid waste generation for Phase III shall be 2.41 TPD.</p> <p>Detail of Solid Waste Management (phase wise) is attached in <b>Annexure-13</b>.</p> <p>The solid waste disposal has been outsourced by M/s United Resorts &amp; Services LLP (The facility management company for Z-1). The agreement copy is attached in <b>Annexure-14</b>.</p>	The proponent has to comply as per report of the Sub-Committee of SEAC.
11.	Details of discharge points	<p>The excess storm water has been discharged to Municipality drain running in-front of project site.</p> <p>The Excess treated water, if any, shall be discharged to Municipality drain running in-</p>	The proponent has to comply as per report of the Sub-Committee of SEAC.



Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
		front of project site. The map showing location of Storm & Excess treated water discharge point is given in <b>Annexure-15.</b>	
12.	Permission status from explosive controlling authority for use of diesel / LPG for the existing projects	We have not proposed any HSD storage Tanks for fuel storage, so there is no license required. Since the LPG cylinders are connected to manifold no explosive License is required. Certificate is attached in <b>Annexure-16.</b>	Complied
13.	Detailed proposal for installation of Organic Waste Converter / Polycrack Machine for Solid Waste Management and if done for the existing project, details process to be submitted	There is no Organic waste converter in the existing phase. However we are planning to have Organic waste converter/composting machine to be installed in the ongoing PH-II.	Condition to be given in Environmental Clearance.
14.	Matrix of greenbelt for different phases of the project	Total Green belt area is 51852.54 sqm. Details Green belt plan is given in <b>Annexure-17.</b>	The proponent has to comply as per report of the Sub-Committee of SEAC.
15.	Basis of calculation of waste water used for dust suppression and landscaping	As per Norms 4 liter water is required for per square meter Green Belt Area. Landscaping (4 ltr/sqm of GB) = 17950 x 4 = 71800 liter = 71.8 KLD As per Norm 2 liter water is required for per square meter Road Area. Dust Suppression (2 ltr/sqm of Road Area) = 11000 x 2 = 22000 liter = 22.0 KLD	Complied
16.	Action Taken Report (ATR) on "Being complied" portion of the certified compliance report of	Action Taken Report is given in <b>Annexure- 18.</b>	Complied

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	MoEF&CC, Govt. of India		
17.	Other major construction features in the periphery if any and their distances	These are the major construction activity near periphery of project site. 1. M/s S J Developers (Royal Lagoon) 2. M/s Mani Tribuhvan	Complied

13. The Sub-Committee of SEAC conducted site visit on 25.10.2019 and observed the following:

**a) Green Belt:**

While the proponent stated to develop necessary green belt in the green belt areas and plant species in due course for Phase-II (under Construction) & Phase -III proposed, Green Belt for Phase - I is virtually absent except decorative plants such as *Krushna chuda*, *Ficus panda* etc. in the periphery of the boundary of Phase - I and land scaping.

- (i) The width of the area along boundary may be less than a meter even, therefore, the area covered to have claimed under green belt even with decorative plants may be much less than the prescribed guidelines. Hence, a compliance in matter is necessary which may be asked from the proponent.
- (ii) Green belt needs to be strengthened with local shade bearing species like Akashmani, Neem, Ashoka, Kadamba, Pollanga, Bela, Karanj etc. in consultation with local DFO for the prescribed area.
- (iii) Similar strict adherence for Phase II & Phase III (Proposed) is necessary for Greenbelt. Compliance report in context shall be submitted to SEIAA / SEAC.

**b) Fresh water (Ground Water):**

The Proponent stated to have three deep borewells for fresh drinking water and two of them were seen by the Sub-Committee and also visited the Piezometer installed by the proponent.


The proponent was advised to submit the following:

- (i) Valid 'NOC' from CGWA & permission for Water Resources Deptt, Govt of Odisha for Phase I for which borewell are in use since beginning, shall be submitted for Phase I & II. The project proponent shall also submit the dimensions of borewells & the water consumption details of last three months.

**c) Waste Water:**

The Sub-Committee visited STP installed in their premises. They claimed to have consumed almost complete waste water after treatment in vehicle (Car) washing & watering of plants excepting small quantity might be discharged to their own low lying areas following vacant for future expansion. They could not satisfactorily reply as to consumption of complete treated waste water during monsoon. Therefore, they must be discharging the excess treated waste water to open low lying areas available in their premises, even though the treated waste water is polluted & contaminated. So,

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the proponent needs to submit a detailed workable plan / scheme either for zero discharge / or discharge to main road side drain through ETP and oil water separation unit, particularly for monsoon period so that it will not affect the human health / environment.

**d) Rain Water Harvesting / Recharge Pits :**

The Sub-Committee of SEAC visited the roof top water harvesting system & the recharging pits. It was observed that the roof top water mixed with open drain water, which should be connected to recharge pit directly. But, water harvesting for storm water & run off water is not available for which they need to submit a workable plan & time frame to execute it for Phase - I and workable plan for Phase II & proposed Phase-III expansion.

**e) Solid waste Management:**

The proponent claimed to have outsourced for daily disposal of Solid waste being generated, but no mechanism either at source or at delivery point to outsourcing agency for separation into Bio-degradable & Non-biodegradable category could be seen.

Therefore, the proponent need to submit details of collection, segregation and disposal of solid waste for last three months to the outsourcing agency and submit the plan / mechanism for separation of solid wastes into Bio-degradable & Non-biodegradable wastes before disposing to outsourcing agency.

**f) Use of Renewable / Solar Energy :**

It is found to be absent for Phase - I completely. The proponent must submit a system along with the time frame for use of renewal / solar power at least as per the guidelines & preferably minimum 5% of their total power consumption for Phase I & similarly for Phase-II & III (Proposed) within a fortnight to SEIAA/ SEAC.

**g) DG Set:**

Location of DG sets (3 Nos.) installed for Phase - I was visited. The stack heights were found to be inadequate & negligible. The proponent must submit a design as applicable for such housing projects as per MoEF&CC / CPCB guidelines and DG rules for all three phases immediately within a fortnight time. Accordingly, they must replace / correct the stack heights as necessary for the existing area and accordingly plan for Phase II & Phase III.

14. SEAC in its meeting held on 19-11-2019 decided that the site visit mentioned points as observed by the Sub-Committee of SEAC shall be complied by the proponent in addition to non-compliance points as pointed out for taking necessary decision in matter by the SEAC.

15. Now the project proponent has furnished compliances as desired by the committee vide letter dated 27.11.2019 as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
(i)	Copy of application for wildlife clearance submitted to MoEF&CC Govt. of India as the project is located within 10Km (default) from Nandan Kanan sanctuary.	Copy Enclosed as <b>Annexure- 1</b> . However as per the MoEF notification 2006 & 2009 for infrastructure projects (category 8) sector, General condition is not applicable.


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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		Annexure-1A
(ii)	Certificate of compliance to Consent to Operate conditions of existing projects from State Pollution Control Board, Odisha	The compliance of CTO conditions has been duly prepared as per the actual site status and submitted to OSPCB on 22-08-2019, and the certified copy of the compliance report has been submitted vide letter dated 03.12.2019.
(iii)	The Sub-Committee of SEAC conducted site visit on 25.10.2019 and observed the following:	
a)	<b>Green Belt:</b>	
(i)	While the proponent stated to develop necessary green belt in the green belt areas and plant species in due course for Phase-II (under Construction) & Phase – III proposed, Green Belt for Phase - I is virtually absent except decorative plants such as Krushna chuda, Ficus panda etc. in the periphery of the boundary of Phase- I and landscaping.	
(ii)	The width of the area along boundary may be less than a meter even , therefore , the area covered to have claimed under green belt even with decorative plants may be much less than the prescribed guidelines . Hence, a compliance in matter is necessary which may be asked from the proponent.	The Observation and recommendation of sub-committee on width of green belt development shall be complied along with PH-II which is under construction.
(iii)	Green belt needs to be strengthened with local shade bearing species like Akashmani, Neem, Ashoka, Kadamba, Pollanga, Bela, Karanj etc. in consultation with local DFO for the prescribed area.	The observation and recommendation of Subcommittee on Green belt development shall be complied in consultation with Local DFO. After receiving the suggestion from the DFO we shall submit a comprehensive Green Belt development scheme to SEAC.
(iv)	Similar strict adherence for Phase II & Phase III (Proposed) is necessary for Greenbelt. Compliance report in context shall be submitted to SEIAA / SEAC.	Agreed and undertaking is enclosed.
b)	<b>Fresh water (Ground Water):</b>	
(i)	The Proponent stated to have three deep borewells for fresh drinking water and two of them were seen by the Sub-Committee and also visited the Piezometer installed by the proponent.	
(ii)	The proponent was advised to submit the following	
(iii)	Valid 'NOC' from CGWA & permission for Water Resources Deptt, Govt of Odisha for Phase I for which borewell are in use since beginning, shall be submitted for Phase I & II. The project proponent shall also submit the dimensions of borewells & the water consumption details of last three months.	NOC From CGWA Attached As Annexure-2. All three borewell used for PH-I are of 200mm Dia (One no-with 230mtr depth) and 150mm Dia (2 Nos with 200 mtr depth.) Water consumption for Month of August, September & October is enclosed as Annexure-2A.

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
Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
c)	<p><b>Waste Water:</b></p> <p>The Sub-Committee visited STP installed in their premises. They claimed to have consumed almost complete waste water after treatment in vehicle (Car) washing &amp; watering of plants excepting small quantity might be discharged to their own low lying areas following vacant for future expansion . They could not satisfactorily reply as to consumption of complete treated waste water during monsoon . Therefore , they must be discharging the excess treated waste water to open low lying areas available in their premises , even though the treated waste water is polluted &amp; contaminate d . So, the proponent needs to submit a detailed workable plan I scheme either for zero discharge I or discharge to main road side drain through ETP and oil water separation unit, particularly for monsoon period so that it will not affect the human health/environment.</p>	<p>The observation of sub-committee And recommendation of sub-committee on disposal of Excess treated water and storm water to Municipality drain-Detail scheme has been Enclosed as Annexure-4</p>
d)	<p><b>Rain Water Harvesting / Recharge Pits :</b></p> <p>The Sub-Committee of SEAC visited the roof top water harvesting system &amp; the recharging pits. It was observed that the roof top water mixed with open drain water, which should be connected to recharge pit directly. But, water harvesting for storm water &amp; run off water is not available for which they need to submit a workable plan &amp; time frame to execute it for Phase -I and workable plan for Phase II &amp; proposed Phase-III expansion.</p>	<p>The Observation of Subcommittee on Rainwater Harvesting (Storm water &amp; Run off water shall be completely complied on completion of construction of all the phases of construction. As the construction is being carried out in phase wise it becomes difficult to manage the huge quantity of storm water &amp; run-off water. We have planned for collection and guidance of surface water &amp; run-off water of the whole area to Municipality Drain running in front of our site as per the treatment detail enclosed as Annexure-4</p>
e)	<p><b>Solid Waste Management:</b></p> <p>The proponent claimed to have outsourced for daily disposal of Solid waste being generated. But no mechanism either at source or at delivery point to outsourcing agency for separation into Biodegradable &amp; Nonbiodegradable category could be seen. Therefore, the proponent needs to submit details of collection, segregation and disposal of solid</p>	<p>Note Enclosed Annexure-3</p>

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
	waste for last three months to the outsourcing agency and submit the plan I mechanism for separation of solid wastes into Bio-degradable & Nonbiodegradable wastes before disposing to outsourcing agency.	
f)	<b>Use of Renewable I Solar Energy :</b> It is found to be absent for Phase- I completely. The proponent must submit a system along with the time frame for use of renewal I solar power at least as per the guidelines & preferably minimum 5% of their total power consumption for Phase I & similarly for Phase- II & III (Proposed) within a fortnight to SEIAA/ SEAC.	The suggestion of subcommittee for Use of Renewable/solar energy is genuinely appreciated by Us and already in the process of implementation with a operation and maintenance contract with IIT Bhubaneswar/Other expert agency
g)	<b>DG Set:</b> Location of DG sets (3 Nos.) installed for Phase - I was visited. The stack heights were found to be inadequate & negligible. The proponent must submit a design as applicable for such housing projects as per MoEF&CC /CPCB guidelines and DG rules for all three phases immediately within a fortnight time. Accordingly, they must replace/correct the stack heights as necessary for the existing area and accordingly plan for Phase II & Phase III.	The observation and advice of SEAC subcommittee shall be implemented in consultation with the manufacturer of DG set & norms of CPCB and a report shall be submitted. The same practice shall be adopted for PH-II&III as advised.

16. SEAC in its meeting held on 07-12-2019 decided to consider grant of Environmental Clearance for the project after the proponent submits certain information/document and the project proponent has furnished compliance as desired by the committee vide letter dated 23.12.2019 as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Legal affidavit with respect to implement the observations of the SEAC sub-Committee after field visit within six months from the date of issue of Environmental Clearance. The sub-Committee of SEAC shall visit the site again after six months to verify the status of implementation. In case of non-implementation, the Environmental Clearance will be revoked on recommendation of SEAC.	Legal affidavit submitted by the project proponent that it will implement the observations of SEAC sub-Committee in the project by six months from the date of issue of Environmental Clearance.

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Considering the information / documents furnished by the proponent and presentation made by the consultants M/s Enviro Infra Solutions Pvt. Ltd., 301, 302 & 305, SRBC building, Vasundhara Sector - 9, Ghaziabad, Uttar Pradesh - 201012 and M/s Centre for Envotech & Management Consultancy Pvt. Ltd., N-5/305, IRC Village, Bhubaneswar, Odisha, the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 7 years with stipulated conditions as per Annexure –A.


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

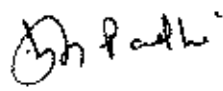
The committee verified 08 nos. of minor mineral proposals forwarded by the SEIAA, Odisha on the basis of MoEF&CC, Govt. of India OM no. F. No. L-I 1011/175/2018-IA-II (M), dated 12.12.2018 and decision taken in the SEAC meeting held on 07.12.2019. The case-wise proceedings and observations of the committee are detailed in Table as per Annexure – B. The proposals of following categories are:

No. of proposals	Type of proposals	Decisions of the committee
10	Stone Quarries (08)	06 The SEAC recommended to return the applications to SEIAA, Odisha
		02 Recommended for Environmental Clearance as B2 category.
	Laterite Mine (01)	Clarification sought by the committee.
	Murram quarry (01)	Clarification sought by the committee.

  
 Sri. B. P. Singh  
 Chairman, SEAC

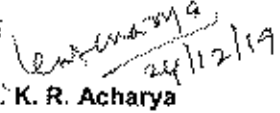
  
 Dr. D. Swain  
 Member, SEAC

  
 Prof. (Dr.) C. R. Mohanty  
 Member, SEAC

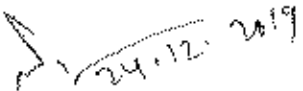
  
 Dr. Sailabala Padhi  
 Member, SEAC

  
 Sri. J. K. Mahapatra  
 Member, SEAC

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

  
 Sri. K. R. Acharya  
 Member, SEAC

Approved

  
 Chairman, SEAC



**CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE FOR PROPOSED EXPANSION FOR CONSTRUCTION OF HOUSING COLONY AND CONVENIENT SHOPPING (PHASE-III) OF M/S. Z-ESTATES PVT. LTD. AT KALARAHANGA, BHUBANESWAR WITH BUILT UP AREA 3,95,865.09 M<sup>2</sup> (EC)**

**PART A - SPECIFIC CONDITIONS:**

1. Consent to Establish / Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of fire fighting equipment etc. as per National Building Code including protection measures from lightening etc.
3. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
4. The project proponent shall ensure that the guidelines for building and construction projects issued vide this Ministry's OM NO.19-2/2013-IA.III dated 9th June, 2015, are followed to ensure sustainable environmental management.

**TOPOGRAPHY AND NATURAL DRAINAGE**

5. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other Sustainable Urban Drainage Systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

**WATER REQUIREMENT, CONSERVATION, RAIN WATER HARVESTING, AND GROUND WATER RECHARGE**

6. As proposed, fresh water requirement from ground water shall not exceed 471 m<sup>3</sup> per day.
7. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
8. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA, Odisha along with six monthly Monitoring reports.
9. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
10. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow



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faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.

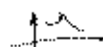
11. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
12. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
13. The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits of 41 nos. shall be provided.
14. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering. The proponent shall also obtain permission from Water Resources Department, Govt. of Odisha for drawal of water.

#### **SOLID WASTE MANAGEMENT**

15. The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
16. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
17. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.
18. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
19. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste generated from project shall be obtained.

#### **SEWAGE TREATMENT PLANT**

20. Sewage shall be treated in STP of capacity 650 KLD. The treated effluent from STP shall be recycled/re-used for flushing, gardening and DG Cooling.
21. A certificate from the competent authority shall be obtained for discharging treated effluent/ untreated effluents into the Public sewer/disposal/drainage systems along with the final disposal point.



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22. No sewage or untreated effluent water would be discharged through storm water drains.
23. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Odisha before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
24. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

## **ENERGY**

25. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
26. Energy conservation measures like installation of CFLs / LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
27. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 5% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher. Follow super ECBC requirement of ECBC 2017 and provide compliance report.
28. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
29. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, compressed earth blocks, and other environment friendly materials. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.



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30. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project shall be submitted.

### **AIR QUALITY AND NOISE**

31. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
32. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
33. **Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.**
34. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
35. For indoor air quality the ventilation provisions as per National Building Code of India shall be provided.
36. Ambient noise levels shall conform to residential standard both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

### **GREEN COVER**

37. No tree cutting/transplantation of existing trees has been proposed in the instant project. A minimum of 1 tree for every 80 m<sup>2</sup> of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 35.40 % of plot area shall be provided for green area development.

  
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### **TOP SOIL PRESERVATION AND REUSE**

38. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

### **TRANSPORT**

39. A comprehensive mobility plan, as per Ministry of Urban Development best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
- Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - Traffic calming measures
  - Proper design of entry and exit points.
  - Parking norms as per local regulation
40. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project.
41. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
42. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

### **ENVIRONMENT MANAGEMENT PLAN**

43. An Environmental Management Plan (EMP) shall be prepared and implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.

### **OTHERS**

44. Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the



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form of temporary structures to be removed after the completion of the project.

45. A First Aid Room shall be provided in the project both during construction and operations of the project.
46. The company shall draw up and implement corporate social Responsibility plan as per the Company's Act of 2013.
47. As per the MoEF&CC, Govt. of India Office Memorandum F.No.22-65/2017-IA.III dated 1st May 2018, the project proponent is required to prepare and implement Corporate Environment Responsibility (CER) Plan. As per para 6(II) of the said O.M. appropriate funds shall be earmarked for the activities such as infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.
48. **The proponent shall implement the observations of the sub-Committee of SEAC after field visit on 25.10.2019 as per the time schedule given in the action plan enclosed with the legal affidavit which was submitted on 23.12.2019. The Sub-Committee of SEAC shall visit the site again to verify the status of implementation. In case of non-implementation, the Environmental Clearance will be revoked on recommendation of SEAC.**

#### **PART B – GENERAL CONDITIONS**

1. A copy of the Environmental Clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
2. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to the SEIAA, Odisha and MoEF&CC, Govt. of India and its concerned Regional Office.
3. Officials from the Regional Office of MoEF&CC, Bhubaneswar who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection.
4. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, Odisha.
5. The SEIAA, Odisha reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a



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time bound and satisfactory manner.

6. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
7. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
8. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the SEIAA, Odisha. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of MoEF&CC, Bhubaneswar.
9. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
10. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
11. The proponent shall submit/upload six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, Govt. of India, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
12. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC, Govt. of India by E-mail.



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
**TABLE****DECISION ON MINOR MINERAL PROJECTS WITH LEASE AREA LESS THAN 05 HA. ON 24.12.2019**

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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
1.	SEIAA-08/11-2019	Sri Shubhabrata Mohanty (owner) At- Mehendipur, Kaleegali Dist : Cuttack Pin : 753002	Khurda	Stone	Proposal for Environmental Clearance for Brusabandha Black Stone quarry -2, Over an area of 2 acre or 0.809 ha at village Brusabandha, Tahasil - Tangi, in the district of Khurda of Sri Shubhabrata Mohanty	FY 2017-18 to 2021-22	1. Brusabandha Black Stone Quarry No-1 (0.498 Ha.) 2. Brusabandha Black Stone Quarry No-3 (1.822 Ha.) 3. Brusabandha Black Stone Quarry No-4 (2.268 Ha.) 4. Brusabandha Black Stone Quarry No-5 (1.214 Ha.) 5. Brusabandha Black Stone Quarry No-6 (0.809 Ha.) 6. Brusabandha Black Stone Quarry No-7	1. Furnished filed in Form-I, Pre-feasibility report and check list forwarded by 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 DDG & Authorized Officer, Bhubaneswar. 6. No forest land involved in lease area 7. Chilika Bird Sanctuary is 5 kms	No	3045	The SEAC recommended to return the application to SEIAA, Odisha with a request to ask the proponent / concerned Tahasildar to submit revised application as B1 category with all revised documents for obtaining ToRs in cluster approach for EIA study as total lease area in cluster exceeds 5 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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
							(1.416 Ha.) (As per EMP submitted in cluster approach)	<p>away from the stone quarries.</p> <p>8. There is no court case / litigation pending.</p> <p>9. The EMP has been prepared taking another six mines in cluster (i.e. Brusabandha – 1,3,4,5,6 and 7) within 500 meters with total lease area in cluster 8.836 ha.</p> <p>10. The Tahasildar, Tangi has furnished checklist taking another five mines in cluster i.e. Brusabandha-1,3,5,6 and 7 with total lease area in cluster 6.568 ha., which is contradictory.</p> <p>11. In DSR report, Brusabandha stone quarry no. 4 is not there. However, other Brusabandha</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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								stone quarries name are there. 12. Since, the total lease area in cluster exceeding 5 ha., the cluster area will be categorized as B1 and the proponent has to submit revised application with all revised documents for obtaining ToRs in cluster approach for EIA study.			
2.	SEIAA-09/11-2019	Sri Shubhabrata Mohanty (owner) At- Mehendipur, Kaleegali Dist : Cuttack Pin : 753002	Khurda	Stone	Proposal for Environmental Clearance for Brusabanda Black Stone quarry -6. Over an area of 2 acres or 0.809 ha at village Brusabanda, Tahasil - Tangi, District- Khurda of Sri	FY 2017-18 to 2021-22	1. Brusabandha Black Stone Quarry No-1 (0.498 Ha.) 2. Brusabanda Black Stone Quarry No-3 (1.822 Ha.) 3. Brusabanda Black Stone Quarry No-5 (1.214 Ha.) 4. Brusabanda Black Stone	1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by 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	No	4035	The SEAC recommended to return the application to SEIAA, Odisha with a request to ask the proponent / concerned Tahasildar to submit revised application as B1 category with all revised documents for obtaining ToRs in cluster approach for EIA study as total


  
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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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
					Shubhabrata Mohanty		Quarry No-2 (0.809 Ha.) 5. Brusabanda Black Stone Quarry No-7 (1.416 Ha.) (As per EMP submitted in cluster approach)	approved by the DDG & Authorized Officer, Bhubaneswar. 6. No forest land involved in lease area 7. Chilika Bird Sanctuary is 5 kms away from the stone quarries. 8. There is no court case / litigation pending. 9. The EMP has been prepared taking another six mines in cluster (i.e. Brusabandha – 1,2,3,4,5 and 7) within 500 meters with total lease area in cluster 8.836 ha. 10. The Tahasildar, Tangi has furnished checklist taking another five mines in cluster i.e. Brusabandha-			lease area in cluster exceeds 5 ha.



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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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>1,2,3,5, and 7 with total lease area in cluster 6.568 ha., which is contradictory.</p> <p>11. In DSR report, Brusabandha stone quarry no. 4 is not there. However, other Brusabandha stone quarries name are there.</p> <p>12. Since, the total lease area in cluster exceeding 5 ha., the cluster area will be categorized as B1 and the proponent has to submit revised application with all revised documents for obtaining ToRs in cluster approach for EIA study.</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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
3.	SEIAA-10/11-2019	Sri Shubhabrata Mohanty (owner) At- Mehendipur, Kaleegali Dist Cuttack Pin : 753002	Khurda	Stone	Proposal for Environmental Clearance for Brusabanda Black Stone quarry -5, Over an area of 3 acres or 1.24 ha at village Brusabanda, Tahasil - Tangi, District- Khurda of Sri Shubhabrata Mohanty	FY 2017-18 to 2021-22	<ol style="list-style-type: none"> <li>1. Brusabanda Black Stone Quarry No-1 (0.498 Ha.)</li> <li>2. Brusabanda Black Stone Quarry No-3 (1.822 Ha.)</li> <li>3. Brusabanda Black Stone Quarry No-6 (0.809 Ha.)</li> <li>4. Brusabanda Black Stone Quarry No-2 (0.809 Ha.)</li> <li>5. Brusabanda Black Stone Quarry No-7 (1.416 Ha.)</li> </ol> <p>(As per EMP submitted in cluster approach)</p>	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by 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 DDG &amp; Authorized Officer, Bhubaneswar.</li> <li>6. No forest land involved in lease area</li> <li>7. Chilika Bird Sanctuary is 5 kms away from the stone quarries.</li> <li>8. There is no court case / litigation pending.</li> </ol>	No	4040	The SEAC recommended to return the application to SEIAA, Odisha with a request to ask the proponent / concerned Tahasildar to submit revised application as B1 category with all revised documents for obtaining ToRs in cluster approach for EIA study as total lease area in cluster exceeds 5 ha.



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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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>9. The EMP has been prepared taking another six mines in cluster (i.e. Brusabandha – 1,2,3,4,6 and 7) within 500 meters with total lease area in cluster 8.836 ha.</p> <p>10. The Tahasildar, Tangi has furnished checklist taking another five mines in cluster i.e. Brusabandha- 1,2,3,6 and 7 with total lease area in cluster 6.568 ha., which is contradictory.</p> <p>11. In DSR report, Brusabandha stone quarry no. 4 is not there. However, other Brusabandha stone quarries name are there.</p> <p>12. Since, the total lease area in cluster exceeding 5 ha., the</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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
4.	SEIAA-11/11-2019	Sri Shubhabrata Mohanty (owner) At- Mehendipur, Kaleegali Dist Cuttack Pin : 753002	Khurda	Stone	Proposal for Environmental Clearance for Brusabanda Black Stone quarry -7, Over an area of 3.500 acres or 1.416 ha at village Brusabanda, Tahasil - Tangi, District- Khurda of Sri Shubhabrata Mohanty	FY 2017-18 to 2021-22	<ol style="list-style-type: none"> <li>1. Brusabanda Black Stone Quarry No-1 (0.498 Ha.)</li> <li>2. Brusabanda Black Stone Quarry No-3 (1.822 Ha.)</li> <li>3. Brusabanda Black Stone Quarry No-5 (1.214 Ha.)</li> <li>4. Brusabanda Black Stone Quarry No-2 (0.809 Ha.)</li> <li>5. Brusabanda Black Stone Quarry No-6</li> </ol>	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by 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 DDG &amp; Authorized Officer, Bhubaneswar.</li> <li>6. No forest land</li> </ol>	No	3035	The SEAC recommended to return the application to SEIAA, Odisha with a request to ask the proponent / concerned Tahasildar to submit revised application as B1 category with all revised documents for obtaining ToRs in cluster approach for EIA study as total lease area in cluster exceeds 5 ha.



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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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
							(0.809 Ha.)  (As per EMP submitted in cluster approach)	involved in lease area  7. Chilika Bird Sanctuary is 5 kms away from the stone quarries.  8. There is no court case / litigation pending.  9. The EMP has been prepared taking another six mines in cluster (i.e. Brusabandha – 1,2,3,4,5 and 6) within 500 meters with total lease area in cluster 8.836 ha.  10. The Tahasildar, Tangi has furnished checklist taking another five mines in cluster i.e. Brusabandha- 1,2,3,5 and 6 with total lease area in cluster 6.568 ha., which is contradictory.			




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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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (In m <sup>3</sup> )	Recommendation of the SEAC
								<p>11. In DSR report, Brusabandha stone quarry no. 4 is not there. However, other Brusabandha stone quarries name are there.</p> <p>12. Since, the total lease area in cluster exceeding 5 ha., the cluster area will be categorized as B1 and the proponent has to submit revised application with all revised documents for obtaining ToRs in cluster approach for EIA study.</p>			
5.	SEIAA-13/11-2019	Tahasildar, Tangi (Owner) At : Tangi, Dist : Khurda, Pin : 752023 Odisha	Khurda	Stone	Proposal for Environmental Clearance for Brusabanda Black Stone quarry -1. Over an area of 1.232 acres or 0.498 ha at	FY 2018-19 to 2022-23	<p>1. Brusabanda Black Stone Quarry No-2 (0.809 Ha.)</p> <p>2. Brusabanda Black Stone Quarry No-3 (1.822 Ha.)</p> <p>3. Brusabanda</p>	<p>1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by Tahasildar.</p> <p>2. DSR has been submitted.</p> <p>3. Topo sheet indicating location of</p>	No	2021.22	The SEAC recommended to return the application to SEIAA, Odisha with a request to ask the proponent / concerned Tahasildar to submit revised application as B1 category with

  
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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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (In m <sup>3</sup> )	Recommendation of the SEAC
					village Brusabanda, Tahasil - Tangi, District- Khurda of of Tahasildar . Tangi		<p>Black Stone Quarry No-5 (1.214 Ha.)</p> <p>4. Brusabanda Black Stone Quarry No-6 (0.809 Ha.)</p> <p>5. Brusabanda Black Stone Quarry No-7 (1.416 Ha.)</p> <p>(As per EMP submitted in cluster approach)</p>	<p>the mine has been furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the DDG &amp; Authorized Officer, Bhubaneswar.</p> <p>6. No forest land involved in lease area</p> <p>7. Chilika Bird Sanctuary is 5 kms away from the stone quarries.</p> <p>8. There is no court case / litigation pending.</p> <p>9. The EMP has been prepared taking another six mines in cluster (i.e. Brusabandha - 2,3,4,5,6 and 7) within 500 meters with total lease area in cluster 8.836 ha.</p> <p>10. The Tahasildar,</p>			all revised documents for obtaining ToRs in cluster approach for EIA study as total lease area in cluster exceeds 5 ha.

  
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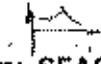
Sl No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Mining lease period	Details of other mines including lease area located within 500 m from the periphery of the proposed mine lease area	Observation of SEAC based on Form-I, Pre-feasibility report, approved mining plan, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>Tangi has furnished checklist taking another five mines in cluster i.e. Brusabandha-2,3,5,6 and 7 with total lease area in cluster 6.568 ha., which is contradictory.</p> <p>11. In DSR report, Brusabandha stone quarry no. 4 is not there. However, other Brusabandha stone quarries name are there.</p> <p>12. Since, the total lease area in cluster exceeding 5 ha., the cluster area will be categorized as B1 and the proponent has to submit revised application with all revised documents for obtaining ToRs in cluster approach for EIA study.</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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
6.	SEIAA-14/11-2019	Tahasildar , Tangi (Owner) At : Tangi, Dist : Khurda, Pin : 752023 Odisha	Khurda	Stone	Proposal for Environmental Clearance for Brusabanda Black Stone quarry -3, Over an area of 3.500 acres or 1.822 ha at village Brusabanda, Tahasil -- Tangi, District- Khurda of of Tahasildar , Tangi	FY 2018-19 to 2022-23	<ol style="list-style-type: none"> <li>1. Brusabanda Black Stone Quarry No-1 (0.498 Ha.)</li> <li>2. Brusabanda Black Stone Quarry No-2 (0.809 Ha.)</li> <li>3. Brusabanda Black Stone Quarry No-5 (1.214 Ha.)</li> <li>4. Brusabanda Black Stone Quarry No-6 (0.809 Ha.)</li> <li>5. Brusabanda Black Stone Quarry No-7 (1.416 Ha.)</li> </ol> <p>(As per EMP submitted in cluster approach)</p>	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by 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 DDG &amp; Authorized Officer, Bhubaneswar.</li> <li>6. No forest land involved in lease area</li> <li>7. Chilika Bird Sanctuary is 5 kms away from the stone quarries.</li> <li>8. There is no court case / litigation pending.</li> </ol>	No	3016.44	The SEAC recommended to return the application to SEIAA, Odisha with a request to ask the proponent / concerned Tahasildar to submit revised application as B1 category with all revised documents for obtaining ToRs in cluster approach for EIA study as total lease area in cluster exceeds 5 ha.

  
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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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>9. The EMP has been prepared taking another six mines in cluster (i.e. Brusabandha – 1,2,4,5,6 and 7) within 500 meters with total lease area in cluster 8.836 ha.</p> <p>10. The Tahasildar, Tangi has furnished checklist taking another five mines in cluster i.e. Brusabandha- 1,2,5,6 and 7 with total lease area in cluster 6.568 ha., which is contradictory.</p> <p>11. In DSR report, Brusabandha stone quarry no. 4 is not there. However, other Brusabandha stone quarries name are there.</p> <p>12. Since, the total lease area in cluster exceeding 5 ha., the</p>			

  
 Secretary, SEAC

Sl. No	SEIAA File No.	Name & Address of the proponent	District	Type of Mineral	Name of the project	Minin g 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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								cluster area will be categorized as B1 and the proponent has to submit revised application with all revised documents for obtaining ToRs in cluster approach for EIA study.			
7.	SEIAA-12/11-2019	Tahasildar, Tangi (Owner) At : Tangi, Dist : Khurda, Pin : 752023 Odisha	Khurda	Murram	Proposal for Environmental Clearance for Rasulpur Murram Quarry over an area of 4.395 Ac./1.778 Ha. at village - Rasulpur, Tahasil-Tangi, Dist - Khurda. of Tahasildar , Tangi	FY 2018-19 to 2022-23	Nil (as per checklist)	<ol style="list-style-type: none"> <li>1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by 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 DDG &amp; Authorized Officer, Bhubaneswar.</li> <li>6. No forest land</li> </ol>	No	3230	<p>The SEAC decided to take decision on the proposal after receipt of the following clarification from the concerned Tahasildar:</p> <p>a) Certificate from the concerned Tahasildar that there is no other morrum mines located within 500 meters as another morrum quarry do exist in Rasulpur under Tangi Tahasil of area 4.375 ha as per DSR.</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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								involved in lease area 7. Chilika Bird Sanctuary is 11 kms away from the quarry. 8. In the checklist, it has been mentioned that no other morrum quarry is located within 500 meter from the periphery of the lease area. But, in DSR report, another morrum quarry do exist in Rasulpur under Tangi Tahasil of area 4.375 ha.			
8.	SEIAA-15/11-2019	Tahasildar, Tangi (Owner) At : Tangi, Dist : Khurda, Pin : 752023 Odisha	Khurda	Laterite stone	Proposal for Environmental Clearance for Jagatpur Laterite Stone Quarry no-1, over an area of 4.00 Ac. /1.62 Ha. at village - Jagatpur, Tahasil -	FY 2018-19 to 2022-23	Jagatpur Laterite Stone Quarry No- 2 over an area of 1.6006 Ha. at village - Jagatpur, Tahasil - Tangi, Dist - Khurda. (as per checklist)	1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by Tahasildar. 2. DSR has been submitted. 3. Topo sheet indicating location of the mine has been	No	3009.6	The SEAC decided to take decision on the proposal after receipt of the following clarification from the concerned Tahasildar: a) Certificate from the concerned DFO about involvement of



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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (In m <sup>3</sup> )	Recommendation of the SEAC
					Tangi, Dist - Khurda. of Tahasildar, Tangi			<p>furnished.</p> <p>4. EMP has been submitted.</p> <p>5. Mining plan approved by the DDG &amp; Authorized Officer, Bhubaneswar.</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>9. EMP has been</p>			<p>DLC land in the lease area.</p> <p>b) Revised EMP incorporating the other laterite mines within 500 meters.</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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (In m <sup>3</sup> )	Recommendation of the SEAC
								submitted in cluster approach taking one laterite stone quarry into consideration. 10. Two laterite mines forming a cluster of area < 5 ha. 11. They have not prepared EMP report taking into cluster approach.			
9.	SEIAA-01/11-2019	Mr. Mausam Harinkhere, (Authorised Person) M/s. Agrawal Infrabuild Pvt. Ltd. 1 <sup>st</sup> Floor, V R Plaza, Link Road Dist - Bilaspur (CG) Pin : 495001	Khurda	Stone	Proposal for Environmental Clearance for Parichhala - Stone Quarry over an area of 5.00 acres or 2.02 ha in village Parichhala, Tahasil - Begunia District - Khurda of Mr. Mausam Harinkhere.	2 Years (Year not mentioned)	(i) Parichhala - Stone Quarry over an area of 5.625 acres or 2.276 ha of Mr. Mausam Harinkhere. (ii) Parichhala - Stone Quarry over an area of 0.485 Ha of Sri Prakash Chandra Routray. (as per revised checklist)	1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by 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 DDG & Authorized Officer, Bhubaneswar. 6. No forest land	No	1,99,500	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period

  
 Secretary, SEAC


Sl. No	SEIAA File No	Name & Address of the proponent	District	Type of Mineral	Name of the project	Minin g 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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								involved in lease area 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. 8. There is no court case / litigation pending. 9. The proposal was put up in SEIAA Meeting held on Dt: 18.11.2019. and decided for a report from DFO, Khorda to verify the status of land (lease area) from DLC Report. 10. The DFO had submitted vide Memo No - 9126/4F/Dt:			

  
 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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>25.11.2019 that the above mentioned lease area is not coming under Forest block of Khordha Forest Division and it also not declared as village forest u/s-30 of Odisha Forest Act in DLC record.</p> <p>11. Lease period has not been mentioned.</p> <p>12. There are four other stone quarry from the same area for which EC applications have been received. However, in the checklist the Tahasildar has mentioned only one stone quarry in the cluster.</p> <p>13. EMP has been submitted in cluster approach taking only two stone quarries into consideration.</p>			

  
 Secretary, SEAC

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								<p>14. The total area exceeds 5 ha. for which detailed EIA/EMP report is required including public hearing as per order of the Hon'ble NGT.</p> <p>15. SEAC in its meeting held on 07.12.2019 decided to take decision on the proposal after receipt of the following clarification from the concerned Tahasildar:</p> <p>a) Lease period of the stone quarry. It should be minimum 5 years.</p> <p>b) Whether the stone quarries as given in the list in annexure-G are located within 500 meters of each quarry.</p> <p>c) The proposed stone quarry appears in</p>			

  
 Secretary, SEAC


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								<p>cluster with other stone quarries of the Parichhala village as per the map and DSR report submitted. Hence, it shall be clarified that why cluster approach has not been followed?</p> <p>16. Now the Tahasildar has submitted the necessary clarification as follows:</p> <p>i. The applied area would be granted to the applicant for excavation of road metal for captive use i.e for construction and six laning of NH 16 from 355+000 to 414+000 by the applicant. The previously approved mining plan has been modified and approved for five years and attached to the letter.</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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC						
								<p>ii. This quarry area is having common boundary with the Parichhala Stone Quarry having area 2.276 Ha, both of which have been applied for Quarry permit for captive use for construction of NH 16. It is to be mentioned that the plot No mentioned as 1809 of Annexure I of your letter would be 1309 which has been granted in favour of Prakash Ch. Routary over an area of 1.235 Ac. The separating distance of Parichhala Stone Quarry over an area of 2.02 Ha from the other 04 quarry areas of Annexure-I is as below:</p> <table border="1"> <tr> <td>Name of the quarry</td> <td>Distance in mt.</td> <td>Applicant</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	Name of the quarry	Distance in mt.	Applicant						
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
  
 Secretary, SEAC

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							<table border="1"> <tr> <td>area</td> <td></td> <td></td> </tr> <tr> <td>Parichhala S.Q (2.276 Ha.)</td> <td>Common Boundary</td> <td>Mausam Harinkhere</td> </tr> <tr> <td>Parichhala S.Q (0.485 Ha.)</td> <td>218</td> <td>Prakash Ch. Rouray</td> </tr> <tr> <td>Parichhala S.Q (0.440 Ha.)</td> <td>536</td> <td>Prakash Ch. Rouray</td> </tr> <tr> <td>Parichhala S.Q (0.5 Ha.)</td> <td>580</td> <td>Prakash Ch. Rouray</td> </tr> </table> <p>iii. Three quarries areas namely Parichhala Stone Quarry (2.02 Ha), Parichhala Stone Quarry (2.276 Ha), Parichhala Stone Quarry (0.485 Ha) comes as cluster out of the 06</p>	area			Parichhala S.Q (2.276 Ha.)	Common Boundary	Mausam Harinkhere	Parichhala S.Q (0.485 Ha.)	218	Prakash Ch. Rouray	Parichhala S.Q (0.440 Ha.)	536	Prakash Ch. Rouray	Parichhala S.Q (0.5 Ha.)	580	Prakash Ch. Rouray			
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 Secretary, SEAC



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								proposed quarry areas. However, the total area of these three quarries is 4.781 Ha which is below 5.0 Ha. Hence, cluster approach of these three quarries has been adopted and accordingly the required revised documents like the EMP, revised check list and modified mining plan have been attached to this letter.			
10.	SEIAA-02/11-2019	Mr. Mausam Harinkhere, (Authorised Person) M/s. Agrawal Infrabuild Pvt. Ltd. 1 <sup>st</sup> Floor, V R Plaza, Link Road	Khurda	Stone	Proposal for Environmental Clearance for Parichhala – Stone Quarry over an area of 5.625 acres or 2.276 ha in village Parichhala, Tahasil –	2 Years (Year not mentioned)	(i) Parichhala – Stone Quarry over an area of 5.00 acres or 2.02 ha. of Mr. Mausam Harinkhere. (ii) Parichhala – Stone Quarry over an area of 0.485 Ha of Sri Prakash	1. Furnished filled in Form-I, Pre-feasibility report and check list forwarded by Tahasildar. 2. DSR has been submitted. 3. Topo sheet indicating location of the mine has been furnished. 4. EMP has been	No	238135	The SEAC recommended to grant EC valid from the date of EC accorded upto the lease period

  
Secretary, SEAC




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		Dist - Bilaspur (CG) Pin : 495001			Begunia District - Khurda of Mr. Mausam Harinkhere.		Chandra Routray (as per revised checklist)	submitted. 5. Mining plan approved by the DDG & Authorized Officer, Bhubaneswar. 6. No forest land involved in lease area 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. 8. There is no court case / litigation pending. 9. The proposal was put up in SEIAA Meeting held on 18.11.2019. and decided for a			




Secretary, SEAC


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								<p>report from DFO, Khorda to verify the status of land (lease area) from DLC Report.</p> <p>10. The DFO had intimated that the above mentioned lease area is not coming under Forest block of Khordha Forest Division and it also not declared as village forest u/s-30 of Odisha Forest Act in DLC record</p> <p>11. Lease period has not been mentioned.</p> <p>12. There are four other stone quarry from the same area for which EC applications have been received. However, in the checklist the Tahasildar has mentioned only one stone quarry in the cluster.</p>			

  
 Secretary, SEAC


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								<p>13. EMP has been submitted in cluster approach taking only two stone quarries into consideration.</p> <p>14. The total area exceeds 5 ha. for which detailed EIA/EMP report is required including public hearing as per order of the Hon'ble NGT.</p> <p>15. SEAC on its meeting held on Dt: 07.12.2019 decided to take decision on the proposal after receipt of the following clarification from the concerned Tahasildar:</p> <p>a) Lease period of the stone quarry. It should be minimum 5 years.</p> <p>b) Whether the stone quarries as given in the list in annexure-</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, DSR and checklist	Whether general conditions apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								<p>G are located within 500 meters of each quarry.</p> <p>c) The proposed stone quarry appears in cluster with other stone quarries of the Parichhala village as per the map and DSR report submitted. Hence, it shall be clarified that why cluster approach has not been followed?</p> <p>16. Now the Tahasildar has submitted the necessary clarification as follows:</p> <p>i. The applied area would be granted to the applicant for excavation of road metal for captive use i.e for construction and six laning of NH 16 from 355+000 to 414+000 by the applicant. The</p>			

  
 Secretary, SEAC

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								<p>previously approved mining plan has been modified and approved for five years and attached to the letter.</p> <p>ii. This quarry area is having common boundary with the Parichhala Stone Quarry having area 2.02 Ha, both of which have been applied for Quarry permit for captive use for construction of NH 16. It is to be mentioned that the plot No mentioned as 1809 of Annexure I of your letter would be 1309 which has been granted in favour of Prakash Ch. Routary over an area of 1.235 Ac. The separating distance of Parichhala Stone Quarry over an area of 2.276 Ha from the other 04 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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC															
								<p>areas of Annexure-I is as below:</p> <table border="1"> <thead> <tr> <th>Name of the quarry area</th> <th>Distance in mt.</th> <th>Applicant</th> </tr> </thead> <tbody> <tr> <td>Parichhala S.Q (2.02 Ha.)</td> <td>Common Boundary</td> <td>Mausam Harinkhere</td> </tr> <tr> <td>Parichhala S.Q (0.485 Ha.)</td> <td>218</td> <td>Prakash Ch. Routray</td> </tr> <tr> <td>Parichhala S.Q (0.440 Ha.)</td> <td>536</td> <td>Prakash Ch. Routray</td> </tr> <tr> <td>Parichhala S.Q (0.5 Ha.)</td> <td>930</td> <td>Prakash Ch. Routray</td> </tr> </tbody> </table> <p>iii. Three quarries areas namely Parichhala Stone Quarry (2.02 Ha), Parichhala Stone</p>	Name of the quarry area	Distance in mt.	Applicant	Parichhala S.Q (2.02 Ha.)	Common Boundary	Mausam Harinkhere	Parichhala S.Q (0.485 Ha.)	218	Prakash Ch. Routray	Parichhala S.Q (0.440 Ha.)	536	Prakash Ch. Routray	Parichhala S.Q (0.5 Ha.)	930	Prakash Ch. Routray			
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 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, DSR and checklist	Whether general condition apply	Maximum annual production capacity (in m <sup>3</sup> )	Recommendation of the SEAC
								Quarry (2.276 Ha), Parichhafa Stone Quarry (0.485 Ha) comes as cluster out of the 05 proposed quarry areas. However, the total area of these three quarries is 4.781 Ha which is below 5.0 Ha. Hence, cluster approach of these three quarries has been adopted and accordingly the required documents like the EMP, revised check list and modified mining plan have been attached to this letter.			

  
Chairman, SEAC

  
Secretary, SEAC