

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL  
COMMITTEE, ODISHA HELD ON 07<sup>th</sup> SEPTEMBER, 2019**

---

The SEAC met on 07<sup>th</sup> September, 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. Sri. J. K. Mahapatra    | - | Member   |
| 4. Sri. K. R. Acharya      | - | Member   |
| 5. Prof.(Dr.) P.K. Mohanty | - | Member   |
| 6. Dr. Sailabala Padhi     | - | Member   |

**CONSIDERATION OF OLD PROPOSALS:**

**A. PROPOSAL FOR EXTENSION OF VALIDITY OF EC OF M/S GANDABAHALI GRAPHITE MINES FOR PRODUCTION OF GRAPHITE ORE UP TO 14250 TPA OVER AN MINING LEASE AREA OF 32.293 HA. (EXCLUDING THE GRAMYA JUNGLE JOGYA AREA OF 3.116 HA) AT VILLAGE –GANDABAHALI, DIST- NUAPADA OF SRI PRAMOD KUMAR AGRAWAL (EC).**

1. Environmental Clearance was issued by SEIAA, Odisha vide letter No. 2840/SEIAA dated 21.01.2015 to M/s Gandabahali Graphite Mines for production of graphite ore up to 14250 TPA over mining lease area of 32.293 ha. (excluding the Gramya Jungle Jogya area of 3.116 ha.) at village – Gandabahali, Dist- Nuapada of Sri Pramod Kumar Agrawal for a period of 5 years, which will be expired on 20.01.2020.
2. The project proponent has requested to SEIAA, Odisha to extend the validity period of Environmental Clearance issued as above for a period of 30 years.
3. SEAC meeting held on Dt:07.10.2019, decided to take decision on the proposal after the proponent submits following information / documents:
  - a) Copy of mining lease document indicating the lease period.
  - b) Letter of Steel & Mines Department, Govt. of Odisha indicating that the mining lease is in force and in favour of the lessee i.e. M/s Gandabahali Graphite Mines, At village – Gandabahali, Dist- Nuapada of Sri Pramod Kumar Agrawal.
4. The project proponent had furnished compliances as desired by the committee on 19.08.2019 as follows.

Sl. No.	Query Raised	Clarification
(i)	Copy of mining lease document indicating the lease period	A copy of Mining Lease deed indicating the lease period upto 14.02.2025 along with a letter to the State Govt. for extension of lease period to 14.02.2045.
(ii)	Letter of Steel & Mines Department, Govt. of Odisha indicating that the mining lease is in force and in favour of the lessee i.e. M/s Gandabahali Graphite Mines, At village – Gandabahali, Dist- Nuapada of Sri Pramod Kumar Agrawal.	Copy of the letter from the Director of Mines, Odisha vide letter No. 6195, date.08.08.2019 that the mining lease in force.

5. The EIA notification 14<sup>th</sup> September, 2006 stipulates the validity period of prior environmental clearance granted for project or activity shall be decided by the EAC and SEAC subject to a maximum of 30 years for mining projects. The SEAC, Odisha while recommending grant of environmental clearance fixed the validity period of environmental clearance for mining projects as five years for the reason that the mining scheme submitted by the project proponent is valid for a period of five years only.
6. The SEAC opined that similar type of proposals were already discussed and decision have been taken to extend the validity period upto 30 years or life of the mine whichever is less as per order passed by the Hon'ble High Court, Delhi as well as Odisha. Hence, the SEAC recommended for extension of validity period of environmental clearance granted to M/s Gandabahali Graphite Mines as above upto 30 years or life of mine whichever is less.

**B. PROPOSAL FOR EXTENSION OF VALIDITY OF EC OF M/S. KIRIKITA GRAPHITE MINES FOR PRODUCTION OF GRAPHITE ORE UP TO 1198 TPA OVER AN MINING LEASE AREA OF 27.029 HA. (EXCLUDING THE GRAMYA JUNGLE JOGYA AREA OF 4.779 HA.) AT VILLAGE –KIRIKITA, DIST- NUAPADA OF SRI DILLIP KUMAR AGRAWAL (EC).**

1. Environmental Clearance was issued by SEIAA, Odisha vide letter No. 2844/SEIAA dated 21.01.2015 to M/s. Kirikita Graphite Mines for production of graphite ore up to 1198 TPA over mining lease area of 27.029 ha. (excluding the Gramya Jungle Jogya area of 4.779 ha.) At - village kirikita, Dist- Nuapada of Sri Dillip Kumar Agrawal for a period of 5 years, which will be expired on 20.01.2020.
2. The project proponent has requested to SEIAA, Odisha to extend the validity period of Environmental Clearance issued as above for a period of 30 years.
3. SEAC meeting held on 07.10.2019, decided to take decision on the proposal after the proponent submits following information / documents:
  - a) Copy of mining lease document indicating the lease period.
  - b) Letter of Steel & Mines Department, Govt. of Odisha indicating that the mining lease is in force and in favour of the lessee i.e. M/s. Kirikita Graphite Mines, At - village kirikita, Dist- Nuapada of Sri Dillip Kumar Agrawal.
4. Now, the project proponent has intimated that they have already applied for surrender of mining lease to the Steel and Mines Deptt., Govt. of Odisha and requested for withdrawal of application for extension of validity period of Environmental Clearance.

After detailed discussion, the SEAC decided to return the application to SEIAA, Odisha for de-listing of the proposal.

**C. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED CONSTRUCTION OF “SOCIAL HOUSING SCHEME”, RESIDENTIAL BUILDING IN MOUZA-RAGHUNATHPUR, CHHATRAPUR, DIST-GANJAM OF ODISHA STATE HOUSING BOARD WITH TOTAL BUILT UP AREA 22536 M<sup>2</sup> (EC).**

1. The SEAC in its meeting held on 16.11.2018 had decided to defer the proposal and take decision on the proposal after receipt of the certain information / documents from the proponent.
2. The proponent was requested to submit the above information / documents vide letter no. 987(3)/SEAC-(Misc)-28, dated 26.11.2018.

3. The proponent has furnished the compliance vide letter no. 85/PH/OSHB dated 21.02.2019, the information / documents as sought for. The SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent and views of the SEAC
(i)	Land document with kissam of land.	Kissam of land is Gharabadi as revealed from the documents submitted by the proponent.
(ii)	13% green area has been proposed. Revised building plan with 20% green area is to be submitted.	Revised plan with green area of 22.43% has been furnished.
(iii)	Detailed Solid Waste Management Plan.	The proponent has furnished only a small write up on Solid Waste Management Plan. They have to submit detailed Solid Waste Management Plan i.e. type and quantity of solid waste generation and its management practice as per Solid Waste Management Rules, 2016
(iv)	Drainage map of the project area with discharge point	Drainage map of the project area has been furnished.

4. The MoEF&CC, Govt. of India notification vide S.O. 5733 (E), 14th Nov, 2018 stipulates that local bodies such as Municipalities, Development Authorities, District Panchayats as shall stipulate environmental conditions while granting building permission in respect of building or construction projects with built-up area >20,000 m<sup>2</sup> to 50,000 m<sup>2</sup> and industrial sheds, educational institutions, hospitals and hostels for educational institutions 20,000 m<sup>2</sup>upto 1,50,000 m<sup>2</sup>.
5. The MoEF&CC, Govt. of India notification vide S.O. 5736 (E), 15th November, 2018, exempted Environmental Clearance for building and construction project < 50, 000 m<sup>2</sup> and industrial sheds, educational institutions, hospitals and hostels for educational institutions < 1,50,000 m<sup>2</sup>.
6. Moreover, the Hon'ble NGT, Principal Bench, New Delhi in O.A. No. 1017/2018, dated 03.12.2018 has stayed the above notifications of MoEF&CC, Govt. of India.
7. The proposal was placed before SEAC on its meeting held on 15.04.2019 After detailed discussion, the SEAC recommended that the SEIAA, Odisha may consider to request the MoEF&CC, Govt. of India regarding the operational part of the above notifications of MoEF&CC, Govt. of India in view of directions of Hon'ble NGT, Principal Bench, New Delhi before taking a decision on the proposals under the above category. The SEAC also decided to return the proposal to SEIAA, Odisha for further action.
8. The proposal was put up in the meeting of SEIAA held on 02.05.2019. It was decided by the Authority that as the old arrangement has been reinstated by NGT Order, SEAC may take up the appraisal of the case vide letter no-6695/SEIAA, dated 15.05.2019.
9. The Environment Consultant **M/s. Global Management and Engineering Consultants International Jaipur, Rajasthan** along with the proponent made a detailed presentation on the compliance furnished before the Committee on 03.07.2019.

10. SEAC on its meeting held on 03.07.2019 decided to take decision on the proposal after receipt of the following from the proponent followed by site visit by the Sub-Committee of SEAC.
- (i) Revised layout map comparing with earlier layout map indicating reduced area, previous greenbelt area, revised greenbelt area and other facilities.
  - (ii) Details of Solid Waste Management Plan as Solid Waste Management Plan submitted earlier was not found to be satisfactory.
  - (iii) Discharge point of waste water is 2 km away from the project site and by the side of public road. A detailed note on discharge of waste water along with drainage map to be submitted.
  - (iv) An undertaking that no construction has been initiated.
11. The project proponent furnished the compliance vide letter no. 364/PH/OSHB, dated 30.07.2019. The SEAC verified the same as follows:

<b>Sl. No.</b>	<b>Information Sought by SEAC</b>	<b>Compliance furnished by the proponent and views of the SEAC</b>
(i)	Revised layout map comparing with earlier layout map indicating reduced area, previous greenbelt area, revised greenbelt area and other facilities.	Revised layout plan with comparison to previous greenbelt area and revised greenbelt area shows an increase of 9.38% of area.
(ii)	Details of Solid Waste Management Plan as Solid Waste Management Plan submitted earlier was not found to be satisfactory.	The proponent has furnished an table depicting Solid Waste Management Plan i.e. type and quantity of solid waste generation and its management practice and an para on Solid waste Management scheme as per Solid Waste Management Rules, 2016.
(iii)	Discharge point of waste water is 2 km away from the project site and by the side of public road. A detailed note on discharge of waste water along with drainage map to be submitted.	Storm water Drainage Layout had been submitted.
(iv)	An undertaking that no construction has been initiated.	Furnished.

12. The SEAC sub-committee made a site visit on 23.07.2019 to the proposed site. The sub-Committee recommended the following:
- (i) As the site is located at an approximate distance of 7 km from Gopalpur on sea, it is prone to cyclonic storms which often ravage the coast. Hence, the structural component of the proposed housing scheme should be disaster resilient to withstand the cyclonic storms.
  - (ii) Existing front road of the site connects to TATA NTTF and Lord Hanumanji Temple, located at 300 m distance from the site, and hence should be of sufficient width to avoid traffic congestion in future.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Global Management and Engineering Consultants International Jaipur, Rajasthan**, the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 7 years with stipulated conditions as per **Annexure – I**.

**D. PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S ASSOTECH SUN GROWTH ABODE LLP. FOR MULTISTORIED RESIDENTIAL BUILDING “ASSOTECH PRIDE” AT MOUZA- RUDRAPUR & JAYPUR, BALIANTA, BHUBANESWAR, DIST – KHURDA WITH BUILT UP AREA 143861.14 M<sup>2</sup> (EC).**

1. M/s Assotech Sun Growth Abode LLP has applied for Environmental Clearance for proposed Multistoried Residential Building “Assotech Pride” At Mouza- Rudrapur & Jaypur, Baliana, Bhubaneswar, Dist – Khurda with built up area 143861.14 m<sup>2</sup>.
2. The proposed site is located at Plot No. 274, NH-16, Rudrapur, Bhubaneswar. The Geographical co-ordinate of the project site is: Latitude – 20<sup>0</sup> 19’ 40.2” to 20<sup>0</sup> 19’ 37.7” N & Longitude - 85° 53’ 08.4” to 85° 53’ 05.2” E which falls under Toposheet No- 73H/15 and 73H/16. The project site is well connected with National Highway NH-16 at a distance of approx 0.2 Km in West direction. The nearest railway station is Mancheswar Railway station at a distance of approx. 4.24 Km in West direction & Bhubaneswar Railway Station at a distance 8.9 Km in South-west direction. The nearest airport is Biju Patnaik Airport at a distance of approx. 10.8 Km in South-west direction from project site.
3. Meteorology: The maximum temperature is about 36.0 °C and the minimum temperature is 16.0 °C felt in the area. The average annual rainfall in the area is 1326.16 mm.

**4. The Building Details Of The Project:**

Sl. No.	Area Description	Area in sq.mt.
1	Total Plot Area	52825.37
1.1	Total FAR	118843.72
1.2	Total Built up Area	142678.99
2	Ground Coverage including Podium for parking below & Green Plantation on Top	23387.05
3	Road Area	10506.06
4	Surface Parking Area (Open)	5500.00
5	Total Road & Surface Parking Area (Sl. No. 3+4)	16006.06
6	Green/Plantation Area	
6.1	Green Area at Ground Level	10991.72
6.2	Green Area at Podium Top Level	8418.57
6.3	Green Area at Surface Parking Area with Grass Pavers	4437.01
6.4	Total of Sl. No. 6	23847.3
6.5	Total Green Area as percentage of Plot Area	45.14 %
6.6	Total Green Area as percentage of Plot Area without Podium top level Plantation	29.20 %
7	Total Parking Area both Surface parking & below Podium	27515.7
8	Power/Electricity Requirement & Sources	Total - 4232 KW Solar - 455 KW CESU - 3777 KW

Sl. No.	Area Description	Area in sq.mt.
9	Sewage Treatment & Disposal	750 KLD
10	Estimated Population	5930 nos.

5. **Power requirement:** The daily power requirement for the proposed complex is preliminarily assessed as 4232 KW (Solar System- 455 KW & CESU – 3777 KW). 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 Residential Building Project.

For energy conservation, there will be 180 nos. of Solar Lighting poles (@72 Watt) has been proposed for Street & common area solar lighting,

Total Energy Conservation by using Solar Lighting = 455 KW

Total Energy saving = 10.75 %

6. **Water requirement:** Fresh make up of 551.4 m<sup>3</sup>/day will be required for the project which will be sourced from Ground water. Waste water of 703.13 KLD will be treated in a STP of 750 KLD capacity. After treatment the treated water will be discharge to the Prachi Drain.
7. Rain Water Harvesting is proposed which will be harvested through 21 no. of recharging pits.
8. Fire fighting Installations will be installed as per recommendation of the Fire fighting Officer, Odisha and as per the guideline of NBC (part-4).
9. **Green Belt Development:** Green belt will be developed over an area of 23847.3 sqm which is 29.20 % of the plot area; by using the local species like Radhachuda, Nageswar, Akash Neem, Ashok, Polanga, Karang, Bela, Pijilu, Kaniara, Tagar, Hena, etc.
10. **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/person/day, which will be about 2668.5 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. Solid waste from sweeping and Dry Garbage containing non-biodegradable wastes like polythene bags, metal, ceramic Waste, glass etc. shall be stored in separate garbage bin and send to approved recyclers. Around 78.75 kg/day of STP sludge will be generated.

S. No.	Category	Counts (heads)	Waste generated (kg/day)
1.	Residents	5930 @ 0.45 kg/day	2668.5
2.	Floating Population	590 @ 0.15 kg/day	88.5
3.	STP sludge		78.75
<b>TOTAL SOLID WASTE GENERATED</b>			<b>2835.75 kg/day</b>

11. **Estimated Project cost:**

Total Capital Cost = ` 232 Crores

Environment Management Cost = ` 2.5 Crores

12. The Environment Consultant **M/s Centre for Envotech and Management Consultancy Pvt. Ltd.** Bhubaneswar along with the proponent made a detailed presentation on the proposal before the Committee.
13. The SEAC on its meeting held on 03.07.2019 decided to take decision on the proposal after receipt of the following information / documents from the proponent followed by site visit by the sub-Committee of SEAC.
- (i) Comparative study of heat Albedo of brick type construction and concrete construction as also similar study for water.
  - (ii) Details of techniques to be used for Rain Water Harvesting for recharging of ground water.
  - (iii) Land schedule and kizam of land.
  - (iv) Supportive documents w.r.t use of red zone for residential purpose as per BDA regulation.
  - (v) Details of Bio gas technique to be used in this setup and proposal for Bio gas pond using Water Hyacinth (*Eicchornia crassipes*).
  - (vi) Details of Municipal Solid Waste Management practice.
  - (vii) Details of Demolition Waste Management practice.
  - (viii) Detailed proposal for usage of solar pumps to increase the usage of Solar energy in the project.
  - (ix) Status of explosive license for diesel storage for DG sets in the project.
  - (x) Copy of permission from Irrigation Department, Govt. of Odisha for use of dead irrigation canal located within the project area.
  - (xi) Permission from Irrigation Department, Govt. of Odisha for Construction of Bridge / Culvert along the Approach Road.
  - (xii) Details of STP and discharge point.
  - (xiii) Detailed drainage map of the area and drain along.
  - (xiv) Status of permission from Water Resources Department, Govt. of Odisha for drawal of Ground Water.
  - (xv) Copy of in-principle approval of Building Plan.
  - (xvi) Copy of Permission to Discharge Storm Water into Municipal Drain under Jurisdiction of Bhubaneswar Municipal Corporation.
  - (xvii) Copy of in principal Tie-up of Solid Waste Disposal (Inorganic Waste) from the agency employed by BMC.
  - (xviii) Copy of NoC for Height Clearance from Airport Authority of India (AAI).
  - (xix) Parking details with ECS to be furnished.
  - (xx) Exploring the possibility of storage of rain water in a storage pond / reservoir including maintaining its water quality for different purposes to reduce the burden on ground water use if allowed by Water Resource Department, Govt. of Odisha.

14. Now the project proponent furnished the compliance at SEAC on dated 22.08.2019. The SEAC decided to take decision on the proposal after the visit of the Sub-Committee to the proposed site.

**E. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR EXPANSION OF CEMENT GRINDING UNIT FROM 1.70 MTPA TO 4.20 MTPA AT VILLAGE- BISWALI, P.O-BARUNIA, TEHSIL- TANGI, DISTRICT- CUTTACK, ODISHA OF M/S KAPILASH CEMENT MANUFACTURING WORKS (A UNIT OF OCL INDIA LTD.) - (EC)**

1. This is a proposal for Environment Clearance of M/s Kapilas Cement Manufacturing Works (A unit of OCL India Ltd.) for expansion of existing Cement Grinding Unit from 1.7 MTPA (PSC, PPC and CC) to 4.2 MTPA (PSC, PPC and CC) through installation of new Cement Grinding Mill and associated equipment at existing plant location at Village- Biswali, P.O. Barunia, District Cuttack, Odisha.
2. M/s Kapilas Cement Manufacturing Works (KCMW), a unit of OCL India Limited under the Dalmia Bharat Group is operating a Cement Grinding Unit having installed capacity of 1.35 MTPA, later on up-graded to 1.7 MTPA at Village. Biswali, P.O. Barunia, Tehsil Tangi, Dist- Cuttack, Odisha.
3. As per EIA Notification dated 14<sup>th</sup> Sept., 2006, as amended from time to time; this project falls under Category "B", Project or Activity 3 (b).
4. Environmental Clearance was granted by SEIAA, Odisha vide Letter No. 624/SEIAA on dated 17.11.2011 and amended Environmental Clearance was granted vide letter no. 3779/SEIAA Dt. 10.11.2017 for 2.7 MTPA (1.7 MTPA + 1.0 MTPA) Cement Grinding Unit and 1 X 27 MW CPP.
5. Stage-II FC for 11.97 acre was granted by MoEF&CC, Govt. of India vide letter no.10F (con) 288/2012/2334/F & E, Bhubaneswar, dated 13.11.2013.
6. The total project area is 348 acres. Proposed expansion will be carried out over the available vacant land (42.0 acres) within the existing plant premises. About 115 acre (33%) of the total project area has already been covered under green belt & plantation.
7. The site is located at Village Biswali, PO. Barunia, District. Cuttack, Odisha. The site falls under the Survey of India Open Series Map (Topo Sheet) No. F45T14, F45U2. The Latitude and Longitude of the proposed site is 200 37' 26" N and 850 59' 45" E respectively.
8. The Plant is located at about 10 km from NH-16 (Formerly NH-5). The nearest major town is Cuttack at a distance of 35 KMs from the plant site. The nearest railway station is at Byree, which is 4 km from the existing plant site. Plant is having its own private railway siding within the plant premises which is connected to Byree Railway Station located at a distance of about 4 km from the existing plant. The nearest airport is at Bhubaneswar, which is about 65 kms from the plant site.
9. There is No National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger / Elephant Reserve, Wildlife Corridor etc. falls within 10 km radius of the plant site. The project is located at a distance of 12.32 KM from the boundary of Kapilash Wildlife Sanctuary.
10. Total Cost of the proposed expansion project will be ` 300 Crores. Capital cost for environmental protection measures will be `14 crores and recurring cost would be ` 130 Lakhs/annum.



11. Total power requirement for the proposed expansion will be 15 MVA which will be sourced from Open Access Power from own CPP at Rajgangpur / Existing Captive Solar PV Power Plant of 2.5 MW capacity & Proposed Solar Power Plant/ OPTCL/ CESU. Total nos. of employees will be 748 (existing = 698 nos. & expansion = 50 nos.).
12. Total water requirement of proposed project is 680 KLD. 400 KLD for existing 1.7 MTPA & additional 280 KLD for 2.5 MTPA. Industrial Water will be met from Rain Water Harvesting & drinking water will be sourced from bore well.
13. Raw materials required for the proposed project are Clinker, Slag, Gypsum & Flyash. Clinker will be procured from its parent Unit at Rajgangpur, Odisha and from other Group Units as & when required, BF Granulated slag from nearby Steel Plants in Kalinga Nagar, Dhenkanal-Angul Belt, Vizag, etc., Gypsum from nearby chemical / Fertilizer Plants in Odisha, West Bengal, Andhra Pradesh and from imported sources and fly ash from nearby Thermal Power Plants in the State of Odisha. Transportation of raw material and product (cement) would be done by road and railway.
14. Zero Liquid Discharge (ZLD) concept shall be adopted as being practiced for existing set-up. No waste water will be generated from the process. Cooling Tower blow down will be re-circulated through cooling and treatment. The entire treated waste water will be recycled for various purposes inside the plant. Domestic waste water generated from plant will be treated in the existing STP (3nos. of STP of capacity 250 KLD, 15 KLD & 50 KLD). The treated water from STP is being used for dust suppression & green belt development.
15. High efficient bag filters will be installed to maintain particulate matter emissions within permissible limit. Domestic effluent will be treated in STP and treated water will be used for plantation.
16. Dust collected from various pollution control equipment will be recycled back into the process. STP Sludge will be utilized as manure for plantation. Used oil will be sold to authorised re-processors.
17. The company has identified certain areas, to be considered for imparting the ESC activities in the context of the local scenario of the area. The company proposes to invest `11.95 crores on the ESC activities, which is about 3.983 % of the total project cost (`300 Crores). This fund shall be utilized over a period of 5 years.
18. ToR for proposed expansion project was granted on vide letter No. 303/SEAC-134, dated 23.04.2018.
19. Public consultation / hearing for the project was conducted by OSPCB on 27.11.2018 at Suniapada Football Field, Biswali, Cuttack and on 28.11.2018 at Bhuyan Padia, Amiyajhari, Amiyajhari, district Jajpur.
20. Certified Environmental Clearance Compliance Report obtained from Eastern Regional Office, MoEF&CC, Bhubaneswar vide no. 109-678/18/EPE, dated 07.03.2019
21. Study of baseline data has been done from March 2018 to May 2018 (summer season) as per MoEF&CC, Govt. of India Office Memorandum dated 29.08.2017.
22. The Consultant **M/s Visiontek Consultancy Services Pvt. Ltd. Bhubaneswar** made a detailed presentation on behalf of the project proponent.
23. SEAC on its meeting held on 12.06.2019, decided to take decision on the proposal after

receipt of the certain information / documents from the proponent followed by site visit by the sub-Committee of SEAC.

24. The project proponent furnished the compliance at SEAC on dated 09.08.2019. The SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent and views of the SEAC
1.	Ground water details, no. of bore wells and permission status since phase – I from Water Resources Department, Govt. of Odisha / CGWA, Govt. of India.	No. of Bore wells = 3 nos and 1 no. Pizeometer installed and NOC granted. Borewell details enclosed as Annexure-1(a) NOC from CGWA (1 <sup>st</sup> ) as Annexure-1(b) NOC from CGWA (1 <sup>st</sup> ) as Annexure-1(c) Water Agreement as Annexure-1(d) Copy of the application Submitted for Renewal of NOC as- Annexure-1(e) Payment Receipt water Royalty paid during Last six months as Annexure-1(f).
2.	Water requirement breakup and water balance (existing and proposed)	Water requirement breakup and water balance (existing and proposed) submitted In Annexure 2 which shows additional requirement of 280 KLD has been proposed.
3.	Capacity of water reservoir for rainwater harvesting	Proposed Rain Harvesting Structure is 40,000 KL capacity and Rain Harvesting capacity in inside plant area is 30404 Cum. Details are enclosed in Annexure-3.
4.	Detailed drainage map with drainage management	Drainage Map is enclosed as Annexure – 4 2 reservoirs of 5000m <sup>3</sup> capacity in which rain water is stored after collection from drains and ponds, roof tops present in plant which is later used in plant operation.
5.	Details of Surface Runoff Management	Surface Run off study report enclosed as Annexure-5
6.	Detailed layout map (in A1 size) indicating bore well locations, plant and machineries, raw material storage area and other structures such as reservoirs etc	Detailed layout map (in A1 size) indicating bore well locations, plant and machineries, raw material storage area and other structures such as reservoirs etc furnished in Annexure-6
7.	Details of silo for fly ash storage	Fly Ash Silo will be made of RCC of Capacity 5000T for proposed Expansion and 4000T capacity is for existing unit. One multi compartment Silo of capacity 8000 T will be sought to meet the requirement. Photographs of Existing Fly ash storage has enclosed as Annexure- 7.
8.	Percentage of Chemical Gypsum and Mineral Gypsum used for cement manufacturing including mode of	The total Gypsum percentage in Cement is presently at 2-3%. Both chemical and Mineral Gypsum is in 50:50 ratio. Gypsum will be received by road/rail duly covered by tarpaulin.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent and views of the SEAC
	transportation – present and proposed expansion with pollution mitigative measures as per ToR point no. 3(iv).	Mitigation Measures: Chemical Gypsum will be stored under covered shed over concrete floor. Garland drain with dyke wall has constructed around storage area.
9.	Source and storage facility for Chemical Gypsum	Source of Chemical Gypsum – IFFCO/PPL/other Fertilizer industries. As mentioned above.
10.	Land use breakup comparing to earlier breakup for which Environmental Clearance has been obtained indicating greenbelt area	Table mentioning Land use breakup comparing Existing, Proposed Expansion and in Total enclosed as Annexure 8.
11.	Facility for storage of raw materials and products.	Clinker & Fly Ash will be stored in Silo, Chemical Gypsum and coal will be stored in covered shed. BF Slag and mineral Gypsum will be stored at stacker yard. All finished products will be stored in the silo. The photographs of Existing Storage facilities are enclosed as Annexure 9.
12.	Emission monitoring report of last six months compiled in one page	Quarterly Report of Ambient Air Quality Data of Kapilas Cement Manufacturing Works has been enclosed as Annexure 10.
13.	Composition of ash of Hot Air Generator (HAG).	Report on the Composition of ash of Hot Air Generator (HAG) enclosed as Annexure 11.
14.	ToR point no. 6.1 (atmospheric inversion data and temperature profile) to be studied and submitted for all parameters for appropriate periods / months preferably during winter period.	Mixing Height data as mentioned in EIA report was taken on hourly basis from <b>Envitrans website</b> . Air modelling, morning and afternoon mixing height data was referred from “ <b>Atlas of Hourly Mixing Height and Assimilative Capacity of atmosphere of India (IMD,2008)</b> ”. For this project study, atmospheric inversion data was unavailable with IMD for which it was not submitted.
15.	Traffic management (existing and proposed). No. of additional vehicles to be deployed for proposed expansion taking into consideration for surrounding traffic - for both input raw materials and finished products, a traffic intensity study needs to be undertaken for existing vehicular traffic	Traffic Study Report submitted by consultancy enclosed as Annexure 13.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent and views of the SEAC
	and proposed expansion by Operation Research (OR) model by OR experts.	
16.	Certificate from the concerned DFO that the location is not within the notified Eco-sensitive Zone of Kapilash Wildlife Sanctuary and exact distance of the project location from the boundary of Kapilash Wildlife Sanctuary.	Certificate from the concerned DFO, Cuttack has been furnished as Annexure 14.
17.	Copy of Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.	Copy of Site Specific Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government furnished as Annexure 15.
18.	Study made on identification of occupational health for employees (direct and contractual) and peripheral areas – treatments made and mitigation / control measures done with details for last three years with supporting documents including critical diseases affecting lungs by silica dust.	Report on occupational Health Assessment along with sample medical reports are enclosed as Annexure-16 One Mobile Medicare Unit is functional providing medical services for 39 villages free of cost. Along with this one full time Occupational Health Centre comprising one doctor, 3 pharmacists and 1 staff nurse has been established under this head.
19.	Category of fifty regular manpower – category wise and source falling the labour laws.	Man power Requirement (Proposed) is enclosed as Annexure - 17
20.	Greenbelt coverage – matrix for existing and expansion with location as per ToR point no. 3.	Existing Plantation Details and Green Belt Development Plan for next 5 years has been submitted as Annexure - 18


Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent and views of the SEAC
21.	Certificate of compliance to Consent to Operate conditions of existing projects from State Pollution Control Board, Odisha.	Certificate of compliance to Consent to Operate conditions of existing projects from State Pollution Control Board, Odisha has been submitted as Annexure - 19
22.	Certified compliance report of MoEF&CC, Govt. of India, Bhubaneswar indicates "partially complied" status for specific conditions need to be fully complied. Hence, compliance status to be resubmitted for the said specific conditions.	All points of the conditions have complied and certified copy of this receive from MoEF&CC vide letter no-109-678/EPE/837, dated 06.05.2019, has been submitted as Annexure-20.

25. The SEAC sub-committee made a site visit on 30.08.2019 to the unit. The SEAC decided to take decision on the proposal after the sub-committee of SEAC submits the report.




SRI B.P. SINGH  
CHAIRMAN, SEAC

DR. SAILABALA PADHI  
MEMBER, SEAC

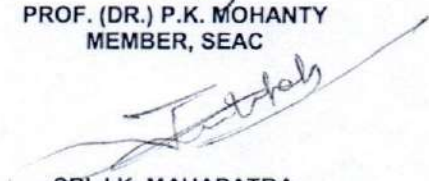


PROF. (DR.) P.K. MOHANTY  
MEMBER, SEAC

SRI. K. R. ACHARYA  
MEMBER, SEAC



DR. D. SWAIN  
MEMBER, SEAC



SRI J.K. MAHAPATRA  
MEMBER, SEAC

APPROVED  
  
CHAIRMAN, SEAC