

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ODISHA HELD ON 31ST OCTOBER, 2019**

The SEAC met on 31st October, 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.) P.K. Mohanty	-	Member
4. Sri. J. K. Mohapatra	-	Member
5. Sri. K. R. Acharya	-	Member
6. Prof.(Dr.) B.K. Satpathy	-	Member
7. Dr. Sailabala Padhi	-	Member
8. Dr. K.C.S Panigrahi	-	Member

A. CONSIDERATION OF COUNTRY LIQUOR PROPOSALS:

(I) CONSIDERATION OF REVALIDATION OF ENVIRONMENTAL CLEARANCE OF COUNTRY LIQUOR PROPOSALS (6 Nos):

The committee verified the application furnished in Form-I along with documents and checklist of 6 nos. of country liquor proposals (as per **Annexure – I**) for revalidation of Environmental Clearance. The Committee observed the following:

- a) These 6 nos. of country liquor units were operational units prior to grant of Environmental Clearance.
- b) The Hon'ble National Green Tribunal, Eastern Zone Bench, Kolkata passed an order on 15.12.2016 vide O.A. Case No. 124 of 2015/EZ mandating the country liquor manufacturers to obtain EC from the SEIAA under item no. 5 (g) of the Schedule to the EIA Notification, 2006.
- c) These operational country liquor units had obtained Environmental Clearance from SEIAA, Odisha to regularize the illegal operation.
- d) Para 9 of EIA Notification 14th September, 2006 stipulates that the "Validity of Environmental Clearance" is meant the period from which a prior environmental clearance is granted by the regulatory authority, or may be presumed by the applicant to have been granted under sub paragraph (iv) of paragraph 7 of EIA Notification, 2006, to the start of production operations by the project or activity, or completion of all construction operations in case of construction projects (item 8 of the Schedule), to which the application for prior environmental clearance refers.
- e) In the instant case, all these units were operational units at the time of application for Environmental Clearance. The SEAC while recommending the case for grant of Environmental Clearance to these projects didn't stipulate any condition for validity of Environmental Clearance as these are already operational at that time. However, the SEAC recommended in policy guideline to stipulate a condition that "the proponent shall obtain fresh environmental clearance if they will shift the unit to other location and / or go for higher production capacity".

After detailed discussion, the SEAC opined that revalidation of Environmental Clearance is not required for these 6 nos. of proposals as they are already operational units. Further, the SEAC opined that fresh Environmental Clearance is also not required for these proposals as they are not shifting the unit to other location and / or go for higher production capacity. The SEAC recommended to return these proposals to SEIAA, Odisha with a request to communicate the proponents as above.

(II) CONSIDERATION OF EXPANSION IN CAPACITY OF COUNTRY LIQUOR PROPOSALS (10 Nos.) COMPLIANCE FURNISHED:

The committee verified the documents furnished along with checklist of 10 nos. of country liquor proposals (as per **Annexure – II**). The recommendations of the committee are as follows:

No. of proposal	Recommendation of the committee
10	<p>The committee decided to take decision on the proposal after receipt of following documents / clarification from the project proponents:</p> <p>a) A certified copy of the latest Monitoring Report of the Regional Office of the MoEF&CC, Bhubaneswar as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing Environmental Clearances. In addition, status of compliance of Consent to Operate conditions for the ongoing existing operation of the project from State Pollution Control Board, Odisha.</p>

(III) CONSIDERATION OF NEW COUNTRY LIQUOR PROPOSALS (10 NOS.) COMPLIANCE FURNISHED:

The committee verified the documents furnished along with checklist of 10 nos. of country liquor proposals (as per **Annexure – III**). The recommendations of the committee are as follows:

No. of proposal	Recommendation of the committee
10	<p>The committee considered the proposals as B2 category as these units are generating waste water less than 100 KLD and recommended for Environmental Clearance.</p>

B. CONSIDERATION OF OLD CATEGORY B PROPOSALS (COMPLIANCE RECEIVED):

(I) PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF CHROME ORE BENEFICIATION PLANT OVER AN AREA OF 1.254 HA. WITH 15,000 TPA THROUGHPUT AT VILLAGE –BALIPOSI, PO- SUKINDA, DIST-JAJPUR OF M/S. INDIAN EAST COAST MINERALS OF SMT. RENUKA ROUT (EC)

1. The proposed project is for Environmental Clearance of chrome ore beneficiation unit with capacity 15000 TPA throughput of M/s Indian East Coast Minerals.
2. M/s Indian East Coast Minerals proposes to set-up, Chrome ore beneficiation plant over an area of 1.254Ha (3Acre 10 Decimals) at Vill: Baliposi, Po: Sukinda, Dist: Jajpur, Odisha. Promoter of the project is M/s Indian East Coast Mineral, Prop. Ms. Renuka Rout, W/o Sri Duryadhan Parida.

3. This project falls under Category "B", Project or Activity '2 (b)' as per EIA Notification dated 14th Sept., 2006 & its subsequent amendments.
4. ToR was issued by SEAC, Odisha, vide letter no. 680, dated 09.08.2018 for EIA study.
5. The proponent made an appeal to consider their project as Category-B2 as per MoEF&CC, Govt. of India O.M. No. J/13012/12/2013-IA-II(I), dated 24.12.2013 as throughput of Mineral Beneficiation activity is less than 20,000 TPA involving only physical beneficiation.
6. The MoEF&CC, Govt. of India O.M. No. J/13012/12/2013-IA-II(I), dated 24.12.2013 stipulates the Mineral Beneficiation activity listed in the schedule as Category-B will be treated as Category-B2 with throughput \leq 20,000 TPA, involving only physical beneficiation.
7. The SEAC, Odisha observed that the proposed Chrome Ore Beneficiation plant is having throughput 15,000 TPA involving only physical beneficiation. However, the Committee opined that the Chrome Ore Beneficiation plant is having significant environmental impact to the surrounding areas in terms of water pollution and tailing disposal and there is a need for detailed EIA study.
8. The SEAC, Odisha recommended to consider the project as Category-B2 as per MoEF&CC, Govt. of India O.M. No. J/13012/12/2013-IA-II(I), dated 24.12.2013 for exemption of public hearing. However, the Committee recommended to consider Environmental Clearance for the proposal after the proponent submits detailed EIA study report as per Terms of Reference issued by the SEAC vide letter no. 680, dated 09.08.2018.
9. The SEAC, Odisha vide letter No.1094/SEAC-144 on dated 14.12.2018 considered the project under B2 category with exemption of public hearing.
10. EIA/EMP study has been carried out as per the ToR issued by SEAC, Odisha, vide letter no. 680, dated 09.08.2018 and submitted the final EIA/EMP report for appraisal.
11. The project site will be located in Plot No:100/2978 & 100/2975(P) And Khata No:660/69 & 660/75, Kissam- Taila (non forest agricultural waste land) in village Baliposhi, P.O. Sukinda, P.S. Sukinda, Dist. Jajpur in state of Odisha. The geographical co-ordinate of the project lies in survey of India Toposheet No. 73H/13 with Latitude: 20°53'55.21"N & Longitude: 85°55'55.88"E.
12. The project is accessible through a 50 ft wide road which connects to Sukinda – Hatibari Road. NH – 200 is located at a distance of 7.5 Km from the project site. Nearest railway station is at Sukinda road located at a distance of 15 Km from the project site.
13. The proposed project involves beneficiation of low grade chrome ore having 26-40% of Cr₂O₃ to increase the chrome concentration more than 50%. There are two basic operations on the process of beneficiation. One is liberation of valuable minerals which is accomplished by crushing and grinding of lump ore & second one is separation of minerals and gangue (impurities) which is achieved by different physical properties of mineral and gangue. By this beneficiation process the low grade ore are converted into semi high grade ore having content >50% of

Cr₂O₃, 3% of SiO₂ & 11% of Al₂O₃ with a minimum chromium iron ratio 2:7. The process mainly involves scrubbing, desliming and screening process. Thus, this Chrome Ore Beneficiation (COB) Plant to beneficiate low grade Chrome Ore (26-40% Cr₂O₃) of 15000 TPA to get chrome concentrate (Cr₂O₃ – 50% and above) of 9000TPA. Tailing of 6000 TPA will be generated as solid waste from beneficiation process.

14. The raw material linkage has been established for the proposed plant from M/s B.C. Mohanty Mines, Sukinda and from OMC Ltd. The raw material from sukinda will transport to the project site through 7Km of Sukinda – Hatibari road followed 1.2 Km of Jamudala village road and then connect to the project site through 150m of morrom road. The road for transportation is black topped road.
15. Total water requirement for the project will be 208 KLD which include beneficiation water requirement of 200 KLD. The makeup water requirement will be met from bore wells supply. The total makeup water requirement will be 10 KLD and unit has applied to CGWB for withdrawal of 9.5 KLD ground water.
16. From the chrome ore beneficiation plant tailing generation will be 20 TPD / 6000 TPA. The tailing generated will be settled in the tailing pond lined by HDPE (Depth – 7.5 m and area proposed : 3125 Sq.m) and the supernatant water from the tailing pond will treated through ETP of 300 KLD capacity and same shall be re-circulated to the plant for reuse. The ETP will help to oxidize Hexavalent chromium to Trivalent chromium. Retaining wall will be built around dump area to prevent access of the tailing water to discharge outside. There is proposal of selling of tailings to refractory brick manufacturing (M/s Ore & Process, Bangalore).
17. The baseline study was carried out during the period of March 2018 to May 2018 in the core and buffer zone (10 Km radius) of the project site. The baseline study includes micrometeorology, air quality, water quality, soil quality, noise level, flora and fauna & socio-economic status of the project and its buffer zone surrounding 10 Km radius of the proposed project site.
18. The green belt will be developed over an area of 1.023 acre (33% of the total plant area).
19. The project cost is 1.4 crores and 0.27 crores will be allocated for Environment Management (Capital), 0.08 crores will be allocated for EMP (Recurring per annum).
20. The study area within 10 Km of the project site is devoid of any national parks, sanctuaries, Biosphere reserves, wild life corridors, tiger/elephant reserves etc. There is no critically polluted area within 10 Km radius of the lease area.
21. A rain water harvesting pond will be constructed within the plant premises over an area of 1550 m². The rain water replenishment will be done through the direct precipitation over the pond area. The rain water pond is maintained properly and is connected with pucca drain. Water storage in the rain water harvesting pond is 9300 m³/ Annum which will be utilized as make up water requirement for the beneficiation plant.

22. The Environment Consultant **M/s Kalyani Laboratories Pvt. Ltd., Bhubaneswar** along with the proponent made a detailed presentation on the proposal before the Committee.
23. The SEAC on its meeting held on 20.07.2019, decided to take decision on the proposal after the proponent submits certain information/ documents. The project proponent has furnished compliances as desired by the committee on vide Ref no: IECM/10/2019 dated 07.09.2019 as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Source of chromite ore and copy of agreement made with mine owners	The chromite ore will be sourced from Kamarda Chromite Mines of M/s B.C. Mohanty and Son' s Pvt. Ltd. The mine is located at a distance of about 25 km from the plant and transportation will be done by trucks. Consent letter has been obtained from the mine owner and the project proponent. (Enclosure as Annexure 1)
2.	Detailed to the scale plant layout map (in A1 size) with legend indicating location of the beneficiation plant, office building, rainwater harvesting pond, ETP, tailing pond, raw material storage yard and green area etc.	Details of the layout plan attached Annexure 2. Beneficiation Plant-06 Office Building – 03 Rain water harvesting pond – 23 ETP – 15 Tailing Pond – 07 Raw material storage yard - 24 Green area - 22
3.	Status of permission from Water Resources Department, Govt. of Odisha for drawal of Ground Water	Application has been made to Water Resources Department, Govt. of Odisha for drawl of Ground water. Copy of the application attached Annexure 3.
4.	Tailing pond design and specification along with tailing utilization plan	Details of the tailing pond design has been attached Annexure 4.
5.	Study of cumulative effect on soil, air, water due to establishment of chrome ore beneficiation unit for 3 months	There is no other chromite beneficiation plant exists within 5 km radius of the project site. So the impact study has been carried out taking into consideration of the proposed beneficiation plant and the nearby chrome ore monolithic unit (Sister concern of the proposed unit). The details of the effect of proposed plant soil, air, water has been attached as Annexure 5.
6.	Distance of agricultural land from beneficiation unit	The nearest agricultural land exists at a distance of 540m from the project site. Land use map showing the distance of agricultural land from the plant site attached as Annexure 6.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
7.	Details of existing units near to the Chrome Ore Beneficiation Plant	The existing unit near the chrome ore beneficiation plant is a chrome ore monolithic unit belongs to M/s Nilachakra Industrial Minerals. The unit is producing refractory chrome monolithic, sand refractories, refractory mortar, Raming mass and Manganese fines. The plant obtained consent to establish and the plant is operating with valid consent to operate from Odisha State Pollution Control Board. Copy attached as Annexure 7 .
8.	Study of Disaster Management for this new Chrome Ore Beneficiation unit	Details of disaster management plan attached as Annexure 8
9.	Re-calculation of average rainfall of Sukinda as figure given in the EIA report is not correct (Seasonal variation of Rainfall).	Average rainfall of sukinda as per IMD data for last 10 years has been given as Annexure 9 .
10.	Detailed proposal to adopt Zero Liquid Discharge (ZLD) concept	Detail proposal for zero liquid discharge is being attached as Annexure 10 .
11.	Source of waste water and details of Effluent Treatment Plant for treatment of waste water containing hexavalent chromium. Cost of ETP with breakup	Detail of ETP for treatment of waste water has been attached as Annexure 11 .
12.	Water balance diagram along with compensating water balance from rain harvesting pond	Detail of water balance with compensating water from rain water harvesting is attached Annexure 12 .
13.	Mitigative measures to be taken for serious occupational health hazards due to hexavalent chromium	Detail occupational health management plan attached as Annexure 13 .
14.	Detailed cost breakup towards pollution control measures for this Chrome Ore Beneficiation Plant	Details cost of EMP attached as Annexure 14 .
15.	Revised amount to be spent on CSR	Revised CSR Plan attached as Annexure 15 .

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
	activities i.e. 2% with proposed CSR activities in nearby villages.	
16.	Undertaking to abandon the tailing ponds after the completion of 6 years	The life of tailing pond will be 6 years and undertaking to abandon the tailing pond attached Annexure 16.
17.	Surface runoff management and detailed treatment facility for surface runoff	Details of surface runoff management attached as Annexure 17.
18.	Analysis result of surface and ground water and soil within study area w.r.t. hexavalent chromium	Surface water and ground water analysis for 8 sampling location has already been given in the EIA report attached. Annexure 18. Sampling & analysis for hexavalent Chromium and total Chromium has been carried out in Sept 2019. Test report attached as Annexure 19.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Kalyani Laboratories Pvt. Ltd. Bhubaneswar** on behalf of the project proponent, the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 7 years with stipulated conditions as per **Annexure – IV.**

(II) PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF PROPOSED OCPL MINES COLONY – MANOHARPUR TOWNSHIP PROJECT IN A PLOT AREA OF 98256.92 SQ.MT OVER AN AREA OF 24.28 ACRES WITH BUILT – UP AREA 37622 SQ.MT AT SARBAHAL VILLAGE, TEHSIL HEMGIRI, DISTRICT SUNDARGARH OF M/S. ODISHA COAL AND POWER LIMITED (EC).

1. This is a proposal for Environmental Clearance of M/s. Odisha Coal and Power Limited for OCPL Mines Colony – Manoharpur Township Project in a plot area of 98256.92 sq.mt over an area of 24.28 acres with built – up area 37622 sq.mt at Sarbahal Village, Tehsil Hemgiri, District - Sundargarh.
2. The township Project is located at Khata No 52 (AJA) and 50 (Rakhit) at Village Sarbahal, Tehsil Hemgir and District Sundargarh in Odisha State. The site co-ordinates are as follows: Latitude- 21°57'56.22 "N To 21°58'5.15" N and Longitude- 83°48'26.01"E To 83°48'59.03"E. The nearest airport is Jharsuguda Airport in Jharsuguda which is at an aerial distance of 25.4 km from the project site towards SSE direction. Kanika Railway Station is 14 km away from the project site towards SSW direction which is a station in Raipur-Rourkela Railway line. Along with airways and railways, the site is also well connected through roadways; nearest National Highway is NH 200 at an aerial distance of 15 km in SE Direction.
3. The detailed Area Statement is provided below in Table:

Sl. No.	Particulars	Area (in m ²)
1	Plot Area	98,256.92 m ²
2	Total Proposed Ground Coverage (@ 12 % of plot	12,482 m ²

Sl. No.	Particulars	Area (in m ²)
	area)	
3	Proposed FAR	0.382
4	Built-up Area	37,622 m ²
5	Total Open space (84.7 % of the total area)	83,224.92 m ²
6	Landscape Area (@ 32 % of the plot area)	31,529
7	Parking Area (2.42 %)	2387 m ²
8	Area of internal roads & pavement (20.76 % of total area)	20,400 m ²
9	Maximum height of building	12 m (G+3)
10	Units proposed	116 units

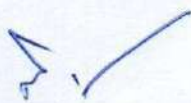
4. The total water requirement is approximately 217 KLD. The total fresh water requirement is 129 KLD, which will be met from Hirakud Reservoir. Approval for drawal of 5.55 cusec water from Hirakud Reservoir was obtained from Government of Odisha.
5. The STP shall be based on MBBR Technology with Ultra Filtration (aerobic) of 120 KLD (2 nos of STP will be used of capacity – 50 KLD and 70 KLD). Recovery from STP is 88 KLD.
6. Power Requirement: Maximum demand load = 892 KW, Connected load = 1MVA (Source = WESCO). Back Up by DG sets. = 349 KVA (3 nos 63 KVA one 1 nos 160 KVA) silent DG Set.
7. Green/Plantation Area = 31,529 m² (approx. 32% of the plot area (20 % tree plantation & 12 % lawn and garden)
8. The project cost is ` 117.45 Crores.
9. The project proponent along with the environment consultant **M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar** made a detailed presentation before the SEAC on 25.09.2019. The SEAC decided to take decision on the proposal after the proponent submits certain information/ documents. The project proponent has furnished compliances as desired by the committee vide letter no: OCPL/588/WE dated 21.10.2019 as follows.

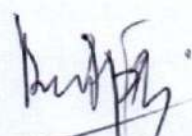
SL No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Increase in percentage of usage solar energy to minimum 5%.	<p>The electrical load requirement for the proposed project has been revised. Earlier, It was 892 KW which has been reduced to 480 KW. The details of current load requirement are as mentioned below:</p> <p>Total Power Demand = 600 KVA or 480 KW</p> <p>As per SEAC directive, 5% energy saving through solar energy = 24 KW</p> <p>Proposed Solar Panel Capacity = 25 Kwp</p> <p>The detailed power load calculation and energy saving through solar panel in this regard is enclosed as Annexure 1 for your kind consideration.</p> <p>Also, Project proponent (PP) has applied to WESCO, Sundargarh for supplying the 480 KW power for the proposed project. The acknowledge copy in this regard</p>

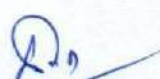
SL No.	Information Sought by SEAC	Compliance furnished by the proponent
		is enclosed as Annexure 2 for your ready reference.
2.	Status of land as on 25.10.1980 w.r.t. Forest Conservation Act, 1980	As per letter received from Office of the Tahasildar, Hemgir vide letter no.2069 dated 17.10.2019; the status of the land (Kissam) in the year 1980 was "Gochar", "Basti Jogya" and Rasta". The copy of letter received in this regard is enclosed as Annexure 3 for your ready reference.
3.	Land schedule and kism of land	As per the land scheduled, the Kism of land is Patit (for 23.33 acres) and Rasta (for 0.95 acres). The copy of land schedule of total plot area (24.28 acres) showing the kism of land is enclosed as Annexure 4 .
4.	IDCO land agreement copy	The copy of IDCO land agreement is enclosed as Annexure 5 .
5.	Revenue record of the land from concerned Tahasildar	The Revenue record of the land from concerned Tahasildar has been obtained and the copy of same is enclosed as Annexure 6 .
6.	Total parking area (%) with respect to built-up area and in terms of ECS	Total proposed parking area = 12.637 sqm (499 ECS) will be provided for residential (30% of total built-up area) and non-residential area (40% of total built-up area) as per SEAC directives. The detailed parking area calculation along with site plan showing the parking area in terms of ECS is enclosed as Annexure 7 .
7.	Detailed calculation of zero discharge in monsoon period particularly.	To achieve zero discharge from the proposed project, the water requirement calculations have been revised for both the season (monsoon and non-monsoon) which are as follows: <u>For Monsson Season</u> Total water requirement = 211 KLD Fresh water requirement = 123 KLD STP Treated Water requirement = 88 KLD <u>For Non – Monsoon Season</u> Total water requirement = 224 KLD Fresh water requirement = 136 KLD STP Treated Water requirement = 88 KLD The detailed calculation showing water requirement and water balance achieving zero discharging for monsoon & non-monsoon season for the proposed project is enclosed as Annexure 8 .
8.	Optimization of number of Rain water Harvesting Recharge pits as per norms of CPCB	As per SEAC directives, the rain water harvesting (RWH) calculation is been done for the proposed project as per CPCB guidelines. Total 16 nos. of RWH pits have been proposed in the said project to recharge the entire runoff generated from the proposed project area. The calculation and plan showing the location of RWH pits is enclosed as Annexure 9 .

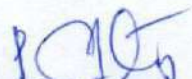
SL No.	Information Sought by SEAC	Compliance furnished by the proponent
9.	DFO certificate that patita land kisam not included in DLC land	As per letter no.7120/4F (Misc) /2019 dated 19.10.2019, issued by office of the Divisional Forest Officer (DFO); Sundargarh Forest Division, it is clearly states that there is no Patit land involved as per DLC record. The copy of DFO certificate in this regard is enclosed as Annexure 10.
10.	Detailed Solid Waste Management Plan	The detailed solid waste management plan for the proposed project is enclosed as Annexure 11. As per SEAC directives, PP has proposed Organic Waste Converter (OWC) of capacity of 350 kg/day (Refer Annexure 11) to treat the bio-degradable waste onsite which is to be generated from the proposed project and the non-biodegradable waste will be handled as per MSW Rules, 2016.
11.	Location of DG sets to be shifted to opposite to habitational area. Accordingly, layout to be modified and submitted.	As per SEAC directives and considering the wind rose pattern of District Sundargarh as per available IMD data (copy enclosed), The location & number of DG sets has been reduced from 4 nos. (3 x 63 KVA + 1x 160 KVA) to 3 nos. (2 x 63 kVA + 1 x250 kVA). The plan in this regard showing the location of 3 nos. DG sets (2 x 63 kVA + 1 x250 kVA), which has been shifted to opposite to habitat area is enclosed as Annexure 12.

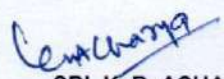
Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar** on behalf of the project proponent, the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 7 years with stipulated conditions as per **Annexure – V.**



SRI B.P. SINGH
CHAIRMAN, SEAC



PROF.(DR.) B.K. SATPATHY
MEMBER, SEAC

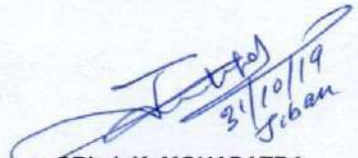

DR. D. SWAIN
MEMBER, SEAC


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



SRI. K. R. ACHARYA
MEMBER, SEAC


DR. SAILABALA PADHI
MEMBER, SEAC


DR. K.C.S PANIGRAHI
MEMBER, SEAC


SRI. J. K. MOHAPATRA
MEMBER, SEAC

APPROVED


CHAIRMAN, SEAC

CONSIDERATION OF REVALIDATION OF ENVIRONMENTAL CLEARANCE OF COUNTRY LIQUOR PROPOSALS (6 Nos)

Sl. No.	Online file no.	Proposals	Previous EC	Present EC Applied for
1.	23178/328-IND2/03-2018	Proposal for Revalidation of Environmental Clearance for production of 1.620 KLD Mahua Flower Based Country Liquor Manufacturing Unit, Kalampur Main Out Still Shop at Kalampur Village, Tehsil: Kalampur Dist-Kalahnadi, Odisha	Previous EC granted vide letter no: 5068/SEIAA on dated 07.06.18 for capacity 1.62 KLD	Present EC applied for capacity 1.62KLD
2.	19384/21-IND2/06-2017	Proposal for Environmental Clearance for production of 0.600 KLD Mahua Flower Based Country Liquor Manufacturing Unit, Langaleswar Main Out Still Shop at Langaleswar Village, Tehsil: Khallikote Dist-Ganjam, Odisha	Previous EC granted vide letter no: 4583/SEIAA on dated 08.05.18 for capacity 0.6 KLD	Present EC applied for capacity 0.6KLD In New license the still capacity approved for 1.895 KLD.
3.	21151/62-IND2/11-2017	Proposal for Environmental Clearance for production of 4.122 KLD Mahua Flower Based Country Liquor Manufacturing Unit, Kodala Main Out Still Shop at Kodala Village, Tehsil: Kodala Dist-Ganjam, Odisha	Previous EC granted vide letter no: 4450/SEIAA on dated 20.04.18 for capacity 4.122 KLD	Present EC applied for capacity 3.791 KLD
4.	21159/630-IND2/11-2017	Proposal for Environmental Clearance for production of 1.722 KLD Mahua Flower Based Country Liquor Manufacturing Unit, Saurapalli Main Out Still Shop at Padmapur Nuagaon Village, Tehsil: Kodala Dist-Ganjam, Odisha	Previous EC granted vide letter no: 4444/SEIAA on dated 20.04.18 for capacity 1.722 KLD	Present EC applied for capacity 1.58 KLD
5.	23198/330-IND2/03-2018	Proposal for Revalidation of Environmental Clearance for production of 1.620 KLD Mahua Flower Based Country Liquor Manufacturing Unit, Baner Main Out Still Shop at Baner Village, Tehsil – Jaipatna, Dist-Kalahnadi, Odisha	Previous EC granted vide letter no: 5095/SEIAA on dated 07.06.18 for capacity 1.620 KLD	Present EC applied for capacity 1.620 KLD
6.	23182/329-IND2/03-2018	Proposal for Revalidation of Environmental Clearance for production of 1.620 KLD Mahua Flower Based Country Liquor Manufacturing Unit, Badakuturu Main Out Still Shop at Badakuturu village, Tehsil: Jaipatna Dist-Kalahnadi, Odisha	Previous EC granted vide letter no: 5284/SEIAA on dated 21.07.18 for capacity 1.620 KLD	Present EC applied for capacity 1.620 KLD

ANNEXURE – II

CONSIDERATION OF EXPANSION IN CAPACITY OF COUNTRY LIQUOR PROPOSALS:

Sl. No.	File No.	Proposal	Date and Capacity for which EC obtained earlier
1.	SIA/OR/IND2/37535/2019	Proposal for environmental clearance for Production of 2.562 KLD Mahua Flower Based Country Liquor Manufacturing Unit, M/s Borigaon Main Out Still Liquor Shop at village-Borigaon, Tahasil-Kukudakhandi, Dist-Ganjam of Sri Rajendra Kumar Patra	Previous EC granted vide letter no: 3537/SEIAA, dated 13.09.17 for capacity 1.0KLD.
2.	SIA/OR/IND2/31733/2019	Proposal for environmental clearance for Production of 1.896 KLD Mahua Flower Based Country Liquor Manufacturing Unit, M/s Durbandha Main Out Still Liquor Shop, Mouza - Hinjlicuttill, Dist: Ganjam of Smt Salma Khan	Previous EC granted vide letter no: 3567/SEIAA, dated 13.09.17 for 1.0KLD.
3.	SIA/OR/IND2/37662/2019	Proposal for environmental clearance for Production of 3.162 KLD Mahua Flower Based Country Liquor Manufacturing Unit, M/s Bikrampur Main Out Still Liquor Shop at - Bikrampur, Tahasil – Konishi, Ganjam District of Sri Jiru Chennaya Reddy	Previous EC granted vide letter no 3555/SEIAA, dated 13.09.17 for 1.0 KLD.
4.	SIA/OR/IND2/37547/2019	Proposal for environmental clearance for Production of 1.266 KLD Mahua Flower based Country Liquor Manufacturing Unit, M/s Jagannathprasad (Sisunda) Main Out Still Liquor Shop; at-Sisunda (Jagannathprasad); Dist-Ganjam of Sri Jogendra Prasad	Previous EC granted vide letter no 4520/SEIAA, dated 20.04.18 for 0.6KLD.
5.	SIA/OR/IND2/37668/2019	Proposal for environmental clearance for Production of 2.058 KLD Mahua Flower Based Country Liquor Manufacturing Unit, M/s Keranditola Main Out Still Liquor Shop at - Mouza- Rampalli, Tahasil-Chhatrapur, District- Ganjam of Sri Jiru Chennaya Reddy	Previous EC granted vide letter no 3575/SEIAA, dated 13.09.17 for 1.0KLD.
6.	SIA/OR/IND2/37611/2019	Proposal for environmental clearance for Production of 1.266 KLD Mahua Flower Based Country Liquor Manufacturing Unit, M/s Pratapur Main Out Still Liquor Shop At Pratapur, Mouza-Kanaka, Dist-Ganjam of Sri Birakishore Pradhan	Previous EC granted vide letter no 3565/SEIAA, dated 13.09.17 for 1.0KLD.

Sl. No.	File No.	Proposal	Date and Capacity for which EC obtained earlier
7.	SIA/OR/IND2/37651/2019	Proposal for environmental clearance for Production of 3.792 KLD Mahua Flower Based Country Liquor Manufacturing Unit Main Out Still Liquor Shop at-Bhatakumarada, Mouza-Bhatakumarada, Tahasil: Purushottampur, Dist-Ganjam of Sri Ramesh Chandra Sahu	Previous EC granted vide letter no: 3571/SEIAA, dated 13.09.17 for 1.0 KLD.
8.	SIA/OR/IND2/37635/2019	Proposal for environmental clearance for Production of 2.37 KLD Mahua Flower Based Country Liquor Manufacturing Unit, M/s Majhigaon Main Out Still Liquor Shop At Majhigaon, Tahasil-Kanishi, Dist- Ganjam of Sri Bhimsen Sahu	Previous EC granted vide letter no: 3577/SEIAA, dated 13.09.17 for 1.0 KLD.
9.	SIA/OR/IND2/37607/2019	Proposal for environmental clearance for Production of 3.792 KLD Mahua Flower Based Country Liquor Manufacturing Unit, M/s Purushottampur Main Out Still Liquor Shop At Purushottampur, Mouza-Kanaka, Dist- Ganjam of Sri Bira Kishore Pradhan	Previous EC granted vide letter no 3565/SEIAA, dated 13.09.17 for 2.0 KLD.
10.	SIA/OR/IND2/37597/2019	Proposal for environmental clearance for Production of 2.214 KLD Mahua Flower Based Country Liquor Manufacturing Unit, M/s Sikula Main Out Still Liquor Shop, at Sikula, Tahasil-Purushottampur, Dist- Ganjam of Sri Suresh Chandra Sahu	Previous EC granted vide letter no: 3535/SEIAA, dated 13.09.17 for 1.0 KLD.

TABLE**DECISION ON COUNTRY LIQUOR PROPOSALS WHICH ARE GENERATING WASTE WATER LESS THAN 100 KLD IN THE SEAC MEETING HELD ON 31.10.2019****CONSIDERATION OF COUNTRY LIQUOR PROPOSALS (NEW AND COMPLIANCE FURNISHED)**

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
1.	SIA/OR/ND2/379 54/2019	Sri. Debadullala Sahu & Ardhendu Sundar Sahu. Licensee M/s Polosora Main O S Liquor Shop At/Po/Ps- Polasara Main road, Dist- Ganjam, Pin- 761105 Email – debadula@gmail.com	3.792	3.792	11.057	1.97	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished, which is 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 3.792 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>valid upto 31.07.2019.</p> <p>6. No forest land involved in project 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 project area.</p> <p>8. Land documents not furnished.</p> <p>9. SEAC on its meeting held on Dt: 14.08.2019 decided to take decision on the proposal after receipt of the following information / documents:</p> <p>a) Copy of excise license beyond</p>		

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>31.07.2019.</p> <p>b) Land documents in the name of owner of the unit.</p> <p>10. Now the project proponent submitted copy of valid excise license i.e from 01.08.2019 to 31.03.2020, Khatiyan of land and copy of Deed of Retirement and Patnership.</p>		
2.	SIA/OR/ND2/375 54/2019	Sri. Mahendra Behera. Licensee M/s Nolia Nuagaon Main O S Liquor Shop At- Telugu Nuagam, PO: Agasti Nuagam, PS: Chhatrapur Dist- Ganjam E mail- noliagaono.sshop	2.532	2.532	7.383	1.316	<p>1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent.</p> <p>2. Process flow sheet has been furnished.</p> <p>3. Design and specification of O.S. (Pot) has been furnished.</p> <p>4. Plant layout map</p>	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 2.532

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Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
		@gmail.com					<p>indicating plant facilities, product and raw material storage area has been furnished.</p> <p>5. Copy of excise license of Competent Authority has been furnished, which is valid upto 31.07.2019.</p> <p>6. No forest land involved in project 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 project area.</p> <p>8. Land documents furnished.</p> <p>9. SEAC on its meeting held on Dt: 14.08.2019 decided to consider the proposal after receipt of</p>		KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>the following documents:</p> <p>a) Copy of excise licence beyond 31.07.2019.</p> <p>10. Now the project proponent submitted copy of valid excise license i.e. from 01.08.2019 to 31.03.2020.</p>		
3.	SIA/OR/ND2/377 84/2019	Sri Jiru Ramamurty Reddy. Licensee M/s Jagannathpur (Raghunathpur) Main O S Liquor Shop At- Jagannathpur, Tahasil- Chhatrapur, Dist- Ganjam E mail – karapadaosshop@gmail.com	2.058	2.058	6.0	1.069	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 2.058 KLD of county Liquor with modified conditions as recommended in the SEAC

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>5. Copy of excise license of Competent Authority has been furnished, which is valid upto 31.07.2019.</p> <p>6. No forest land involved in project 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 project area.</p> <p>8. Land documents furnished.</p> <p>9. SEAC on its meeting held on Dt: 14.08.2019 decided to consider the proposal after receipt of the following documents:</p> <p>a) Copy of excise licence beyond 31.07.2019.</p>		meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							10. Now the project proponent submitted copy of valid excise license i.e. from 01.08.2019 to 31.03.2020.		
4.	SIA/OR/IND2/355 05/2019	Smt. Kalia Sethi M/s. Pitala (Pakidi) Main Out Still Liquor Shop At- Regidi Sahi, PO/ PS : Hinjilcut, Dist- Ganjam, Pin- 761102 E- mail- kaliasethi1969@gmail.com	2.37	2.37	6.91	1.232	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished, which is valid upto 31.07.2019. 6. No forest land involved in 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 2.37 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>project 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 project area.</p> <p>8. This is a change of location proposal. Both previous liquor shop and present liquor shop location is in Hinjilicut.</p> <p>9. Land document furnished.</p> <p>10. SEAC on its meeting held on Dt: 14.08.2019 decided to consider the proposal after receipt of the following documents: a) Copy of excise licence beyond</p>		

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							31.07.2019. 11. Now the project proponent submitted copy of valid excise license i.e. from 01.08.2019 to 31.03.2020.		
5.	SIA/OR/ND2/375 24/2019	Smt.Kalia Sethi. Licensee M/s Badakhandi (Samarajhola) Main O S Liquor Shop At-Regidi Sahi, Hinjilicut, PO/PS- Hinjilicut Dist- Ganjam, Pin- 761102 E mail- kaliasethi1969@g mail.com	1.422	1.422	4.146	0.738	1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished, which was valid upto	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 1.422 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>31.07.2019.</p> <p>6. No forest land involved in project 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 project area.</p> <p>8. Land documents furnished.</p> <p>9. SEAC on its meeting held on Dt: 14.08.2019 decided to consider the proposal after receipt of the following documents:</p> <p style="padding-left: 40px;">a) Copy of excise licence beyond 31.07.2019.</p> <p>10. Now the project proponent submitted</p>		

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							copy of valid excise license i.e from 01.08.2019 to 31.03.2020.		
6.	SIA/OR/IND2/355 14/2019	Smt. Kalia Sethi M/s. Golapally (Dhobadi) Main Out Still Liquor Shop At- Regidi Sahi, PO/ PS : Hinjilcut, Dist- Ganjam, Pin- 761102 E- mail- kaliasethi1969@g mail.com	1.266	1.266	3.691	0.657	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished, which is valid upto 31.07.2019. 6. No forest land involved in project area. 7. There is no protected areas i.e. National Park, 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 1.266 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

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Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>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 project area.</p> <p>8. This is a change of location proposal. Both previous liquor shop and present liquor shop location is in Hinjilicut.</p> <p>9. Land document furnished.</p> <p>10. SEAC on its meeting held on Dt: 14.08.2019 decided to consider the proposal after receipt of the following documents:</p> <p>a) Copy of excise licence beyond 31.07.2019.</p> <p>11. Now the project proponent submitted copy of valid excise</p>		

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Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							license i.e from 01.08.2019 to 31.03.2020.		
7.	SIA/OR/IND2/377 58/2019	Sri Jiru Ramamurty Reddy. Licensee M/s Karapada Main O S Liquor Shop At- Raghunathpur, PO- Jagannathpur, Tahasil- Chamakhandi, Dist- Ganjam E mail – karapadaosshop@gmail.com	3.822	3.822	11.144	1.986	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished, which is valid upto 31.07.2019. 6. No forest land involved in project area. 7. There is no protected areas i.e. National Park, 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 3.822 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>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 project area.</p> <p>8. Land documents furnished.</p> <p>9. SEAC on its meeting held on Dt: 14.08.2019 decided to consider the proposal after receipt of the following documents:</p> <p>a) Copy of excise licence beyond 31.07.2019.</p> <p>10. Now the project proponent submitted copy of valid excise license i.e from 01.08.2019 to 31.03.2020.</p>		

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Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
8.	23132/313-IND2/03-2018	Sri Ritesh Sahu. M/s Tarbod Main Out Still Liquor Shop, At: Tarbod, Tahasil: Komana, Dist: Nuapada	0.810	0.810	2.3	0.421	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished. 6. No forest land involved in project area. 7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 0.810 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018 in addition to the following condition: a) The project proponent shall obtain clearance from the National Board for Wildlife

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>Birds, Tiger Reserve, Protected Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the project area.</p> <p>8. Earlier the proposal was placed before the SEAC in its meeting held on 05.11.2018 and the SEAC decided to take decision on the proposal after the proponent submits status of Wild Life Clearance from National Board for Wild Life (NBWL) as Sunabeda Wildlife Sanctuary is at a distance of 9.2 kms (default 10 kms).</p> <p>9. The proponent has submitted a fresh application along with duly filled in checklist.</p>		<p>(NBWL) as the project is located 9.2 kms away from the Sunabeda Wildlife Sanctuary.</p> <p>b) Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the Standing Committee of National Board for Wildlife.</p>

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>The filled-in check list reveals the Sunabeda Wildlife Sanctuary is at a distance of 10.6 kms.</p> <p>10. SEAC on its meeting held on Dt: 20.05.2019 decided to take decision on the proposal after receipt of certificate from the concerned DFO of Sunabeda Wildlife division about exact distance of Sunabeda Wildlife Sanctuary from the unit.</p> <p>11. The SEIAA, Odisha has forwarded an copy of letter received from DFO, Sunabeda WL Division, Nuapada reveals the distance of boundary of Sunabeda Wildlife Sanctuary is 9.2 kms from country liquor units.</p>		

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>12. SEAC on its meeting held on Dt: 07.09.2019 decided to take decision on the proposal after receipt of status of Wild Life Clearance from National Board for Wild life (NBWL) as Sunabeda Wildlife Sanctuary is at a distance of 9.2 kms (default 10 kms) from the proponent.</p> <p>13. Now the project proponent have applied to National Board for Wild life (NBWL) to obtain Wildlife clearance. Wildlife Report (Part – I & II along with Acknowledgement of Online Submission and Monitoring of Wildlife Clearances Proposal (OSMWCP) are submitted.</p>		

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Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
9.	SIA/OR/ND2/28911/2018	M/s Shiw Prasad Sahu & Sons. M/s Sikarpai Main Out Still Liquor Shop, At: Sikarpai, Tahasil: K.Singpur, Dist: Rayagada	0.810	0.810	3.2	0.421	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished. 6. No forest land involved in project 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 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 0.810 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>polluted area as identified by CPCB etc. located within 5 km radius of the project area.</p> <p>8. The proponent has furnished the information / documents as per observation of the SEAC in its meeting held on 19.06.2018.</p> <p>9. Earlier the proposal was placed before the SEAC in its meeting held on 20.05.2019 and the SEAC decided to take decision on the proposal after the proponent furnishes the copy of land document in the name of first party (As the proponent has not furnished copy of land document in the name of first party).</p> <p>10. The proponent has only furnished the lease agreement document as produced earlier not copy</p>		

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>of land documents such as patta in the name of first party.</p> <p>11. The SEAC on its meeting held on 10.07.2019 decided to take decision on the proposal after the proponent furnishes the copy of land document in the name of first party (such as patta of the land).</p> <p>12. The project proponent has furnished certain land documents which is not visible clearly.</p> <p>13. SEAC on its meeting held on Dt:14.08.2019 decided to take decision on the proposal after the proponent come with original documents for verification.</p> <p>14. The proponent has come for verification along with the original documents and it has been verified.</p>		

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
10.	SIA/OR/ND2/28950/2018	M/s Shiw Prasad Sahu & Sons M/s Sunger Main Out Still Liquor Shop, At: Sunger, Tahasil: Kasipur, Dist: Rayagada	0.810	0.810	3.2	0.421	<ol style="list-style-type: none"> 1. Furnished filled in Form-I, pre-feasibility report and check list counter signed by Excise Superintendent. 2. Process flow sheet has been furnished. 3. Design and specification of O.S. (Pot) has been furnished. 4. Plant layout map indicating plant facilities, product and raw material storage area has been furnished. 5. Copy of excise license of Competent Authority has been furnished, which is valid upto 31.07.2019. 6. No forest land involved in project area. 7. There is no protected areas i.e. National Park, Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Protected 	No	The SEAC considered the proposal as 'B2' category as the unit is generating waste water less than 100 KLD and recommended to grant Environmental Clearance for production of 0.810 KLD of county Liquor with modified conditions as recommended in the SEAC meeting held on 19.06.2018.

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>Monuments, Inter-State boundary and critically polluted area as identified by CPCB etc. located within 5 km radius of the project area.</p> <p>8. The proponent has furnished the information / documents as per observation of the SEAC in its meeting held on 19.06.2018.</p> <p>9. Earlier the proposal was placed before the SEAC in its meeting held on 20.05.2019 and the SEAC decided to take decision on the proposal after the proponent furnishes the copy of land document in the name of first party (As the proponent has not furnished copy of land document in the name of first party).</p> <p>10. The proponent has only furnished the lease</p>		

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							<p>agreement document as produced earlier not copy of land documents such as patta in the name of first party.</p> <p>11. The SEAC on its meeting held on 10.07.2019 decided to take decision on the proposal after the proponent furnishes the copy of land document in the name of first party (such as patta of the land).</p> <p>12. The project proponent has furnished certain land documents which is not visible clearly.</p> <p>13. SEAC on its meeting held on Dt:14.08.2019 decided to take decision on the proposal after the proponent come with original documents for verification.</p>		

Sl. No.	SEIAA File No.	Name and address of the Country liquor project.	Licenced production capacity in KLD (Approved capacity)	Production capacity in KLD applied for EC	Waste water generation (in KLD) as per approved capacity	Solid waste generation (in TPD) as per approved capacity	Observation of the SEAC based on Form-I, Prefeasibility Report and Checklist	Whether general condition apply	Recommendation of the SEAC
							14. The proponent has come for verification along with the original documents and it has been verified.		

CHAIRMAN, SEAC

Secretary, SEAC

CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE OF M/S INDIAN EAST COAST MINERALS OF SMT. RENUKA ROUT FOR CHROME ORE BENEFICIATION PLANT OVER AN AREA OF 1.254 HA. WITH 15,000 TPA THROUGHPUT AT VILLAGE – BALIPOSI, PO- SUKINDA, DIST-JAJPUR (EC)

I. Statutory compliance:

- (i) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- (ii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- (iii) The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report, (incase of the presence of schedule-I species in the study area)
- (iv) The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board.
- (v) The project proponent shall obtain the necessary permission from the Central Ground Water Authority and other concerned authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- (vi) The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation

- (i) The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
- (ii) The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

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- (iii) Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- (iv) The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.
- (v) Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- (vi) Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses. Oil Cellars.
- (vii) The project proponent shall carry out conditioning of the ore with water to mitigate fugitive dust emission, without affecting flow of ore in the ore processing and handling areas.
- (viii) Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of air pollutants such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the National ambient air quality standards.
- (ix) The transportation of mineral shall be carried out through the covered trucks. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in beneficiation operations and in transportation of ore to the beneficiation plant. The vehicles carrying the mineral shall not be overloaded.
- (x) Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
- (xi) Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Health records of the workers shall be maintained.
- (xii) Regular Ambient Air Quality Monitoring shall be carried out. The monitoring stations will be set up in consultation with the SPCB. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM_{2.5}, PM₁₀, SO₂ and NO_x are anticipated in consultation with the State Pollution control Board. It will be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions. The instruments used for ambient air quality monitoring shall be calibrated regularly.
- (xiii) Data on ambient air quality (PM_{2.5}, PM₁₀, SO₂, NO_x) shall be regularly submitted to the Ministry including its Regional office located at Bhubaneswar and the State Pollution

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Control Board/Central Pollution Control Board once in six months.

III. Water quality monitoring and preservation

- (i) The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- (ii) Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- (iii) Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- (iv) The project proponent shall practice rainwater harvesting to maximum possible extent.
- (v) The effluent from the ore beneficiation plant shall be treated in the tailing thickener and the tailings slurry shall be transported through a closed pipeline to the tailing pond.
- (vi) The tailing pond shall be lined with appropriate impervious lining on all sides as well as the bottom to prevent any leachate going from the tailing pond into groundwater.
- (vii) The garland drain shall be constructed around the tailing pond before the starting operation on the project.
- (viii) The decanted water from the tailing pond shall be re-circulated and there should be zero discharge from the tailing pond.
- (ix) Appropriate technology shall be used for maximum recovery of ore in order to reduce slurry discharge and to increase the life of the tailing pond.
- (x) Garland drains with appropriate size, gradient and length shall be constructed to arrest silt and sediment flows from ore dumps and directly into the water bodies. The water so collected shall be utilized for watering the roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
- (xi) Effluents containing Cr+6 shall be treated to meet the prescribed standards before reuse. Effluent Treatment Plant should be provided for treatment of wastewater generated from the beneficiation plant.
- (xii) Run off from the mineral and reject dumps and other surface run off should be analyzed for Cr+6 and in case its concentration is found higher than the permissible limit the water should be treated before reuse.
- (xiii) Adhere to "Zero Liquid Discharge".
- (xiv) Regular monitoring of water quality for surface water sources as well as ground water sources shall be carried out. The groundwater shall be monitored downstream of beneficiation plant as well as tailing pond upto groundwater table and record of

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monitoring data should be maintained and submitted on six monthly basis to the Ministry of Environment and Forests, its Regional Office, Bhubaneswar, the Central Ground Water Authority, the Regional Director Central Ground Water Board and the State Pollution Control Board.

- (xv) Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.
- (xvi) Appropriate mitigative measures shall be taken to prevent pollution of the nearby surface water source in consultation with the State Pollution control Board.

IV. Noise monitoring and prevention

- (i) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office, MoEF&CC, Govt. of India, Bhubaneswar as well as SEIAA, Odisha as a part of six-monthly compliance report.
- (ii) The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

V. Energy Conservation measures

- (i) Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- (ii) Provide LED lights in their offices and residential areas.

VI. Waste management

- (i) The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016
- (ii) Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant)
- (iii) Separate impervious concrete pits for disposal of sludge shall be provided for the safe disposal of sludge generated from the beneficiation operation.

VII. Green Belt and EMP

- (i) Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant
- (ii) The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- (iii) Plantation shall be raised all around the beneficiation plant site and the tailing pond around the plant, tailing disposal area, roads etc. by planting the native species in

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consultation with the local DFO/ Agriculture Department.

VIII. Human Health Issues

- (i) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- (ii) The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- (iii) Provision 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
 - a) STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (iv) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

IX. Corporate Environment Responsibility

- (i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-1 A.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- (ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the Regional Office, MoEF&CC, Govt. of India, Bhubaneswar as well as SEIAA, Odisha as a part of six-monthly report.
- (iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- (iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Regional Office, MoEF&CC, Govt. of India, Bhubaneswar as well as SEIAA, Odisha along with the Six Monthly Compliance Report.

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- (v) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out
- (vi) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Mineral Beneficiation plants shall be implemented.

X. Miscellaneous

- (i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- (ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- (iv) The construction and demolition wastes to be generated from the proposed project shall be disposed of in accordance with the provision under "Construction & Demolition Wastes Management Rules 2016".
- (v) The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- (vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- (vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- (viii) The project proponent shall inform the Regional Office, MoEF&CC, Govt. of India, Bhubaneswar as well as SEIAA, Odisha the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- (ix) The project authorities must strictly adhere to the stipulations made by the State

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Pollution Control Board and the State Government.

- (x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the State Level Expert Appraisal Committee.
- (xi) No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.
- (xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- (xiii) The SEIAA, Odisha may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- (xiv) The SEIAA, Odisha reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- (xv) The Regional Office, MoEF&CC, Govt. of India, Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- (xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- (xvii) Any appeal against this EC 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.

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CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE FOR OCPL MINES COLONY – MANOHARPUR TOWNSHIP PROJECT IN A PLOT AREA OF 98256.92 SQ.MT OVER AN AREA OF 24.28 ACRES WITH BUILT – UP AREA 37622 SQ.MT AT SARBAHAL VILLAGE, TEHSIL HEMGIRI, DISTRICT SUNDARGARH OF M/S. ODISHA COAL AND POWER LIMITED (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 Hirakud Reservoir shall not exceed 129 KLD.
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 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 adequate 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 2 nos. of STP of capacities 50 KLD and 70 KLD respectively. 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.

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.

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 m² 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 32% of plot area shall be provided for green area development.

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.

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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 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.

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 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.

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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, SO₂, NO_x (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 31st 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.