PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE, ODISHA HELD ON 16TH NOVEMBER, 2021

The SEAC met on 16TH November, 2021 at 10:30 AM through Video Conferencing in Google Meet under the Chairmanship of Sri. B. P. Singh. The following members were present in the meeting.

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

Draft proceeding of the meeting was finalized by the members through e-mail and also final proceeding of the meeting was confirmed by the members through e-mail. The agenda-wise proceedings and recommendations of the committee are detailed below.

ITEM NO. 01

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S. RUNGTA MINES LTD. FOR CONSTRUCTION OF PROPOSED (S+10) STORIED RESIDENTIAL COLONY OVER AN AREA OF 28.447 ACRES LOCATED IN VILLAGE – JHARBANDH, DIST- DHENKANAL, ODISHA WITH TOTAL BUILT UP AREA - 3053352 SFT (283768.77 SMT.) OF SRI PRADEEP KUMAR CHATURVEDI (DIRECTOR) - EC

1. The proposal is for Environmental Clearance of M/s. Rungta Mines Ltd. for construction of proposed (S+10) Storied Residential Colony over an area of 28.447 acres located in village – Jharbandh, Dist- Dhenkanal, Odisha with total built up area - 3053352 SFT of Sri Pradeep Kumar Chaturvedi (Director).
2. The project falls under category “B” or activity 8 (b)-Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. ToR has been granted by SEIAA, Odisha for proposed project vide letter no. 2650/SEIAA, (SEIAA File No. 67031/37-MIS/08-2021), dated 04.09.2021.
4. M/s. Rungta Mines Ltd. is located at villages Jharbandh in District Dhenkanal, Odisha. The location of plant and study area can be seen in Survey of India Open Series No. F45T1, F45T2, F45T5 & F45T6 bounded by Latitude **-** 20° 46’ 14’’ to 20° 46’ 33’’N and Longitude - 85° 18’ 58’ to 85° 19’ 13”E. The site is accessible by all-weather road from the district headquarter Dhenkanal (32 km) and town Angul (18.2 km). The site is located near NH-55 (1.3 km aerially from it), which connects Bhubaneswar to Angul. The nearest railway station is Meramandali at a distance of 3.4 km. The nearest airport is at Bhubaneswar, which is approximately 77 km from the site.
5. M/s. Rungta Mines Ltd., Dhenkanal steel Plant has obtained Environmental Clearance from MOEF&CC vide letter no J-11011/309/2018-IA II(I) dated 09.02.2021 for its Dhenkanal Steel Plant and Consent to Operate obtained from OSPCB Vide letter no

6969/IND-I-CON-6646 dated 06.05.2021 for part of Dhenkanal Steel Plant. M/s Rungta Mines Limited has proposed this Residential colony near Dhenkanal Steel Plant to accommodate the non-native employees.

6. The Building Details of the Residential colony:

Particular	Proposed	Permissible
Project Name	Proposed (S+10) Storied Residential Township Project	--
Plot Area	1239151 SFT(115162.73 SMT.)	--
Ground Coverage	480649 SFT(44669.98 SMT.)	--
Total Built up Area	3053352 SFT(283768.77 SMT.)	--
Total FAR Area	2678160 SFT(248899.62 SMT.)	--
FAR	2.16	2.75
Maximum Height	35 meter (Residential)	--
Parking Area	749709 SFT (69675.55 SMT.) (27.93 %)	669540 SFT(62224.9 SMT.) (25 % of Residential)
Green Belt Area	248078 SFT (20.02 % of Plot area)	247830 SFT (23032.52 SMT) (20% of Plot area)
Landscape Area	52413 SFT (4.22 % of Plot area)	--
Power/Electricity Requirement & Sources	Power from GRID – 12,816.96 KW Power from Solar – 703.04 KW Total Power Requirement – 13,520 KW	--
No. of DG sets	2 x 625 KVA	--
Fresh Water requirement & Sources	1154 KLD 1155KLDSource: Surface Water	--
Sewage Treatment & Disposal	STP Capacity 1500 KLD	--
Estimated Population-Residential, Floating/visitors	13673 nos.	--

7. **Water requirement**: Fresh make up of 1154 m^3/day will be required for the project which will be sourced from Surface water. Waste water of 1478 KLD will be treated in a STP of 1507 KLD capacity, which includes primary, secondary and tertiary treatment.

8. **Waste water details**: Township sewage water shall be used as makeup water after treatment in steel plant. Total waste water generated is 1474 KLD .The wastewater will be treated in the STP of capacity of 1500 KLD provided within the complex. Total treated water will be generated 1356 KLD will be recycled within the project for flushing (584 m3/day), landscaping (205 KLD), and dust suppression 567 KLD will be used in case of non-monsoon period. In monsoon season will be recycled in with town ship for flushing (584 KLD), Reuse in plant premises (567 KLD) and car washing & internal Road (205 KLD).

9. **Power requirement:** The daily power requirement for the proposed Residential Project is preliminarily assessed as 13520 KW (Power from GRID – 12,816.96 KW and Power from Solar – 703.04 KW). In order to meet emergency, power requirements during the grid failure, there is provision of 2 nos. of DG set having 625 KVA (2 Nos.) capacities for power back up in the residential colony.

10. **Rain Water Harvesting:** Rain Water will be harvested through 79 nos. of recharging pits. Proposed rain water tank/tanks of 1533 mtr^3 storage capacity. All roof rain water down takes is to be diverted to this tank.

11. **Parking Requirement:** Total Parking Area provided = 749709 SFT(69675.55 Sqm) (27.93 %)/ 2564 ECS has been provided for vehicles parking in the project.

12. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).

13. **Green Belt Development:** Green belt will be developed over an area of 248078 SFT (20.02 % of Plot area) and Landscape Area 52413 SFT (4.22 % of Plot area) by using the local species like Radhachuda, Nageswar, Akash Neem, Ashok, Polanga, Karang, Bela, Pijuli, Kaniara, Tagar, Hena, etc.

14. **Solid Waste Management:** From the residential complex solid waste in form of food waste from kitchen and miscellaneous waste will be generated @ 0.45 kg/person/day, which will be about 5360 kg/day.

15. The total population of project after proposed will be 13673 persons.

16. The estimated project cost is ` 504 Crores. Environment Management Cost = ` 5.0 Crores.

17. The Environment consultant M**/s Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar** along with the proponent has made a presentation on the proposal before the Committee.

18. The SEAC members have raised certain queries as follows. Out of such queries, some queries have to be stipulated as specific conditions in Environmental Clearance and some queries have to be complied by the proponent.

Sl. No.	Queries raised by the SEAC	To be complied by the proponent and / or specific condition to be stipulated in EC.
i)	Kisam of the entire land on which the construction of the residential colony is proposed need to be necessarily "Gharabari" for which PP must submit the "Khatian" from the appropriate Revenue Authority without which construction work shall not start.	Specific condition to be stipulated in EC.
ii)	Domestic waste water generation is stated to be 1478 KLD and the corresponding STP of 1500 KLD. The capacity of STP is inadequate are thus, it must be 10-20% higher than waste water generation. As such, the PP need to submit the revised capacity and design of STP suitably.	To be complied by the project proponent
iii)	It is stated by the PP that there will be zero "discharge" and the entire excess waste water will be sent to their Dhenkanal Steel Plant through pipe line. But at some other place, in the report, it is mentioned that excess waste water will be discharged to nearby drains along with the storm water. Then the following be confirmed: A. Depth of the pipeline to be laid below the surface.	To be complied by the project proponent

Sl. No.	Queries raised by the SEAC	To be complied by the proponent and / or specific condition to be stipulated in EC.
	B. Which nearby drain and its start and fall out including the authority of the drain? C. Internal drains network for both storm water / treated waste water with dimension along with its connectivity to the main drain be submitted.	
iv)	Fresh water of 1154 KLD will be drawn from Brahmani River. Permission obtained from WR Department, Govt. of Odisha be submitted including document of ownership of the land in which pipeline will be laid from Brahmani River to proposed colony be submitted.	Specific condition to be stipulated in EC. Document of ownership of the land in which pipe line will be laid from Brahmani river to proposed colony to be submitted-to be complied.
v)	Power requirement is 13,520 KVA and of which 91.58 KVA will be met through Solar Power which works out 0.67% of the total power demand. So, PP to submit the plan with detail calculation of generation and consumption of solar power of atleast 5% of the total power demand.	To be complied by the project proponent
vi)	Internal road map network of the colony work dimensions including free movement of fire Tender be submitted.	To be complied by the project proponent
vii)	Parking area is stated to be calculated with norms of 25% of total area. But this norm is same for shopping complex & Dispensary. So, parking area need to be re-calculated and submitted. In terms of ECS, it is shown to be 2564 ECS as again 2560 flats with norm of 23 m^2/car for open parking & 28 m^2/car for covered parking per ECS. Thus, the following needed to be confirmed: (a) Norm of space for each ECS for open parking as well as closed parking and documentary evidence to the said effect. (b) Provision for parking two wheelers to be made. (c) At least, 10 % provision made to be made for visitors and floating population including shopping complex and dispensary. So, with the above, the entire chapter on parking need to be re-verified and resubmitted.	To be complied by the project proponent
viii)	DG set position (location) w.r.t. to predominant wind direction and the location of the building tower along with installation drawing / layout be shown and submitted with 40 meter stack height. Basis of selection of no. and capacity of DG sets be submitted.	To be complied by the project proponent
ix)	Level of Service (LOS) findings from Traffic study be submitted as per IRC norm and accordingly, mitigation / de-congestion plan at intersection with NH be submitted.	To be complied by the project proponent

Sl. No.	Queries raised by the SEAC	To be complied by the proponent and / or specific condition to be stipulated in EC.
x)	79 recharge (Rain Water Harvesting Pits) pits is proposed with 80 mm/hr rain fall as peak rain fall in 24 hours taken which looks very high. Thus the following be submitted; (a) Maximum hourly rainfall be taken based on 30 years data (Climate logic data) and accordingly, no. of rain water harvesting pits be calculated / decided along with the design of the pit including retention time (hold) showing the norms for the same. Thus, this is to be re-submitted:	To be complied by the project proponent
xi)	Since, the proposed colony is surrounded with water bodies, surface water quality study and monitoring mechanism be submitted.	To be complied by the project proponent
xii)	Permission from concerned Fire Service Authority be submitted.	Specific condition to be stipulated in EC.

After detailed discussion, the SEAC decided to take decision on the proposal after receipt of following information / documents from the proponent.

i) Domestic waste water generation is stated to be 1478 KLD and the corresponding STP of 1500 KLD. The capacity of STP is inadequate are thus, it must be 10-20% higher than waste water generation. As such, the PP need to submit the revised capacity and design of STP suitably.

ii) It is stated by the PP that there will be zero “discharge” and the entire excess waste water will be sent to their Dhenkanal Steel Plant through pipe line. But at some other place, in the report, it is mentioned that excess waste water will be discharged to nearby drains along with the storm water.

Then the following be confirmed:

a) Depth of the pipeline to be laid below the surface.
b) Which nearby drain and its start and fall out including the authority of the drain?
c) Internal drains network for both storm water / treated waste water with dimension along with its connectivity to the main drain be submitted.

iii) Fresh water of 1154 KLD will be drawn from Brahmani River. Document of ownership of the land in which pipeline will be laid from Brahmani River to proposed colony be submitted.

iv) Power requirement is 13,520 KVA and of which 91.58 KVA will be met through Solar Power which works out 0.67% of the total power demand. So, PP to submit the plan with detail calculation of generation and consumption of solar power of atleast 5% of the total power demand. Proponent needs to submit the capacity of solar power PV system planned to install along with the nos of solar lights etc planned and total kVA, then % of total power load.

v) Internal road map network of the colony work dimensions including free movement of fire Tender be submitted.

vi) Parking area is stated to be calculated with norms of 25% of total area. But this norm is same for shopping complex & Dispensary. So, parking area need to be re-calculated and submitted.

In terms of ECS, it is shown to be 2564 ECS as again 2560 flats with norm of 23 m^2/car for open parking & 28 m^2/car for covered parking per ECS.Thus, the following needed to be confirmed:

a) Norm of space for each ECS for open parking as well as closed parking and documentary evidence to the said effect.
b) Provision for parking two wheelers to be made.
c) At least, 10 % provision made to be made for visitors and floating population including shopping complex and dispensary. So, with the above, the entire chapter on parking need to be re-verified and resubmitted.

vii) DG set position (location) w.r.t. to predominant wind direction and the location of the building tower along with installation drawing / layout be shown and submitted with 40 meter stack height. Basis of selection of no. and capacity of DG sets be submitted.

viii) Level of Service (LOS) findings from Traffic study be submitted as per IRC norm and accordingly, mitigation / de-congestion plan at intersection with NH be submitted.

ix) 79 recharge (Rain Water Harvesting Pits) pits is proposed with 80 mm/hr rain fall as peak rain fall in 24 hours taken which looks very high. Thus the following be submitted;

a) Maximum hourly rainfall be taken based on 30 years data (Climate logic data) and accordingly, no. of rain water harvesting pits be calculated / decided along with the design of the pit including retention time (hold) showing the norms for the same. Thus, this is to be re-submitted:

x) Since, the proposed colony is surrounded with water bodies, surface water quality study and monitoring mechanism be submitted.

ITEM NO. 02

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S D.N. HOMES PVT. LTD. FOR PROPOSED CONSTRUCTION OF RESIDENTIAL PROJECT (DWELLING UNIT-2B+G+20 AND SOCIETY CLUB & CONVENIENT SHOPS-2B+G+3) WITH TOTAL PLOT AREA - 12,439.93 SQM., AND TOTAL BUILT UP AREA-71,876.70 SQM LOCATED AT MOUZA - MADANPUR, TAHASIL-BHUBANESWAR, DIST-KHORDHA OF SRI. RATNAMALA SWAIN (DIRECTOR) – EC

1. The proposal is for Environmental Clearance of M/s D.N. Homes Pvt. Ltd. for proposed construction of Residential Project (Dwelling Unit-2B+G+20 and Society Club & Convenient Shops-2b+G+3) with total plot area - 12,439.93 sqm., and total built up area-71,876.70 sqm located at Mouza - Madanpur, Tahasil - Bhubaneswar, Dist-Khordha of Sri. Ratnamala Swain (Director).

2. The project falls under category “B” or activity 8 (a) - Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.

3. M/s D.N. Homes Pvt. Ltd. aims to provide a Residential Colony Project at Mouza-Madanpur, District - Khurda, Bhubaneswar, Odisha. The plot area of the project site is 12,439.93 m^2 (3,074 acres). and estimated built-up area of the project is 71,876.70 m^2.

4. The project facilities include: Dwelling Units (2B+G+20) and Society Club & convenient Shops (2B+G+3).

5. **Location and Connectivity** - The Project Site is located at – Mouza - Madanpur, District-Khurda, Bhubaneswar, Odisha on Plot No. 311,314,315,316,317 of Khata no.300/637, Plot No.308,313 of Khata no.300/636, Plot No. 306/1173 of Khata no. 306/1667, Plot No.-307 of Khata no. 300/1668 & Plot no. 312 of Khata no. 300/1676, The Geographical coordinates of the project site is: Latitude: 20°14‘44.53"N and Longitude: 85°43‘06.18"E. The Project site is located Mouza- Madanpur, District - Khurda, Bhubaneswar, Odisha on a land measuring 3.074 acres or 12,439.93 m2. The Project Site is well connected by Badaraghunathpur Road which is approx. 150 m in North direction. NH-16 is approx. 2.4 km in SE direction. The nearest railway station is Retang Railway Station approx. 6.5 km in SE direction from the project site and Biju Patnaik International Airport is at a distance of approx. 9.3 km in East direction from the project site.

6. The Detailed Area Statement of The Building:

S. NO.	PARTICULARS		AREA (SQ.M.)
i)	Total Plot area		12,439.93
ii)	Permissible Ground coverage (@40%)		4,975.97
iii)	Proposed Ground coverage @ 26.87 % of plot area)		3,342.76
iv)	Permissible F.A.R (@ 7 of plot area)		87,079.51
v)	Proposed F.A.R (@ 3.879 of plot area)		**48,254.73**
	a.	Residential	46,669.52
	b.	Society Club & Convenient Shop	1502.17
	c.	Security, Public washroom etc.	83.040
vi)	Non F.A.R		6,024.37
vii)	Basement Area		17,597.60
viii)	**Total Built-up Area (5+6+7)**		**71,876.70**
ix)	Maximum Height of the Building (m) (2B+G+20)		67.28
x)	Landscape area (35.78 % of plot area)		**4,451.87**

7. **Water requirement**: The total water requirement will be met through Ground water and Bore well which is approx. 300 KLD, out of which total domestic water requirement is 282 KLD. The total fresh water requirement is approx. 185 KLD.

8. **Wastewater Generation & Treatment** - It is expected that the project will generate approx. 245 KLD of wastewater. The wastewater will be treated in an onsite STP of 300 KLD capacity. The treated effluent will be reused for flushing, horticulture. Surplus treated effluent will be discharged to external sewer.

9. **Power requirement**: The power supply will be supplied by State Electricity Board. The requirement load for the project will be approx. 1687 kVA. There is provision of 2 nos. of DG sets total 1500 kVA (2*750 kVA) capacity for power back up and stack height is 73meters.

10. **Rain Water Harvesting**: Total Runoff from Storm Water from Site is 293.5m³ /hr so based on 1no. Harvesting pit volume 17.2 cum required 5 nos. Rain water Harvesting Pits.

11. **Parking Requirement**: Total Parking required Area is 14,523 m2. Parking area proposed is 15,676.06 m or 541 ECS.

12. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
13. **Green Belt Development:** Total green area measures 4,451.87 m2 i.e. (35.78 % of the plot area) which will include Plantation area-2,612.38 m2 (21%) + Lawn area-1,838.62 m2 (14.78%). No. of trees required = 1 tree/80 sq.m. of plot area =12,439.93/80 = 155.5 say 156 Nos. Total no. of trees proposed = 160 no.
14. **Solid Waste Management:** The solid waste generated from the project shall be approx. 1128 kg per day.
15. The total estimated population of the project will be 2612 persons (including Residents+staff+visitors).
16. The estimated project cost is ` 82 Crores. Environment Management Cost = Rs.53 lakhs and recurring cost is 22 lakhs/year.
17. The project proponent along with the consultant **M/s Grass Roots Research And Creation India Pvt. Ltd., Noida** made a detailed presentation on the proposal.
18. The SEAC members have raised certain queries as follows. Out of such queries, some queries have already been complied by the proponent, some queries have to be stipulated as specific conditions in Environmental Clearance and some queries have to be complied by the proponent.

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
i)	About 245 KLD of treated waste water has been proposed to be discharge to the public drain. On this the following to be confirmed: (a) Break up of the discharge during monsoon, non-monsoon and winter. (b) To which public drain it will be discharged and the permission from the authority of the drain to be submitted to take the additional load indicating the start and fall out of the said public drain. (c) Internal drains network with dimensions, both for treated waste water and surface runoff / storm water be submitted. (d) The ownership of the land to be used by project proponent for connecting their internal drains to above public drain and permission to use the same.	Plan showing internal drainage network with outfall point and connectivity to final disposal point is attached as **Annexure-V.** Permission vide letter no.-6252 dated 03/11/2021 from Office of the Executive Engineer, Bhubaneswar (R&B) Division No.III, Bhubaneswar for discharging the storm water and surplus treated water from the project to the existing earthen drain which alternately connecting to the nearby cross drainage work which is 200 m away from the connecting point. Copy of the same is attached as **Annexure-VI.**

ii)	Green belt width with contour (dimensional layout be submitted). Plan for augmentation of green belts in space and number of trees be submitted to reduce the load of discharge of treated waste water.	Total green area is proposed to be **4,451.87 m^2** (35.78 % of plot area). Plantation area-2,612.38 m^2 (21%) + Lawn area-1,838.62 m^2 (14.78%) No. of trees required = 1 tree/80 sq.m. of plot area =12,439.93/80 = 156 Earlier proposed trees= **160 Nos.** **As per SEAC suggestions, we are increasing the trees from 160 no's to 269 no's** Landscape plan showing green area with increased trees and Undertaking for reuse of treated water is attached as **Annexure- I(a & b**). **b & a to be complied.** **Storm water and treated waste water is stated to be discharged to existing "earthen drain" which falls after 200 mtr with cross drainage work. It appears from the letter of Executive Engineer R&B that proposal is for construction of RCC drain during improvement of road widening. Thus it is apprehended that earthen drain cannot take this load of discharge .As such the following need to be submitted by PP:** **To obtain confirmation on construction of RCC drain details, R&B Dept. With time frame including the widening of road**
iii)	DG set location w.r.t. predominant wind direction and location of building towers be submitted. Basis of selection of no. of DG Sets and the capacity be submitted.	DG Stack calculations are attached as **Annexure-VII.** **1. Basis of selection of number and capacity of DG set to be submitted.** 2. **Installation drawing of stack/exhaust pipe with dimension to be submitted.**
iv)	**<u>Rain Water Harvesting</u>** 5 numbers of rain water harvesting pits (RWHP) have been proposed considering 40 mm/hr peak hour rainfall in 24 hours and 20 minutes retention time. As such, peak hour rainfall considered is too low and so also no. of pits. This will cause flooding with heavy rainfall. Thus the following be submitted.	Earlier, we proposed 5 no's of the RWH Pits and after taking the 30 years of IMD data, it has been revised to 11 no's. Detailed calculations with RWH pit diagram and location plan of RWH pits are attached as **Annexure-IV (a, b & c).** **Calculation of number of proposed Rain water harvesting**

	i) Maximum hourly rainfall be taken based on 30 years data (Climate logic data) and accordingly, no. of rain water harvesting pits be calculated / decided along with the corresponding design of the pit including retention time (Hold)showing the norms for the same.	**pits appears to be wrong and hence to be recalculated and re submitted.**
ii)	**Parking:** 541 ECS is provisioned for 331 dwelling units with only 07 ECS for open space parking and without provision for two wheeler parking, taking the space of 32 m^2 /Car for basement and 23 m^2 /Car for open space. Thus, the following need to be confirmed: (a) Provision for parking two wheelers to be made. (b) At least, 10% provision made to be made for visitors and floating population and increasing suitably the open space parking from 07 nos. indicated above. (c) Norm of space for each ECS for open parking as well as basement parking with documentary evidence to the said effect be submitted. Thus, with the above, the entire chapter on parking need to be re-verified and re-submitted work layout and dimension as well. (d) Level of Service (LOS) from Traffic study is shown as 'B' as per IRC standard with the statement that the road design can take this load Since the road is very narrow and weak thus certification from appropriate Govt. Authority (RCB/RD/HUD) to this effect be submitted as per MoEF Guidelines.	Area proposed for Basement-1 (Upper) parking = 7,615.93/32 m^2 = **238 ECS** Area proposed for Basement-2 (Lower) parking = 7,905.09/32 m^2 = **247 ECS** Area proposed for Open Parking = 155.04/23 m^2 Earlier proposed Surface parking= 7 ECS **Increased Surface parking=15 ECS** Total Parking Area proposed = **15,676.06 m^2** Parking proposed = 238+247+15 = **500 ECS** Visitors Parking = 10% of the proposed parking = 49 ECS Total Parking proposed = 500+49 = **549 ECS** The parking details, plan and basis of parking as per NBC 2016 norms is attached as **Annexure-II (a, b & c).** Traffic Study Report with management measures is attached as **Annexure-VIII.** **1. Provision of two wheeler parking in terms of ECS with space in the layout map to be submitted.** **2. Adjacent intersecting road is very narrow and weak for two way simultaneous movement of vehicles and take the load and hence, required at least two lane strong road (7.5 mtr) as considered by PP.** **Thus confirmation to this effect be obtained from R&B/appropriate authority of**

		the government.
iii)	Solar Power consumption has been shown as 84.35 KVA as against the total load of 1687 KVA (Exact 5 %). Generation and consumption of solar power with plan and detail calculation be submitted.	Total electric load is 1687 kVA and we are saving 20% energy of the total electric load. Out of which 5% energy will be from solar. Roof Top panel : 400 W - 181 No's :72.4 kW. Landscape and Garden street lights : 60 Wx20 nos : 12 kW Roof Top Solar Water Heater @ 100 ltrs per flat (331 dwelling units x 100 ltrs : 33100 ltrs.). Provided 67 nos of 500 ltrs capacity solar water heater : 33500 ltrs of total solar water heater. So, we have provided total of 84.4 kW or 105.5 kVA solar energy saving from solar panels and solar street lights which is more than 5% of total energy demand. The Undertaking for 5 % energy saving and Solar panel layout are attached as **Annexure-III (a & b).** **Detailed calculation of generation and consumption of solar power need to be submitted.**
iv)	"Khatian" (Patta after Mutation) for the entire land from the appropriate Revenue Authority with 'Kisam' as Gharabari be submitted before which construction work shall not start.	To be stipulated as specific condition in EC.
v)	PP should submit the NOC from DFO stating that the project is not coming under the ESZ of Nandan Kanan WLS.	We had applied for NOC to DFO of Chandaka Dampara WlS on 22.09.2021 and they forwarded our application to DFO of City Forest Division, Bhubaneswar on 21.10.2021. Now, We have received NOC vide no.-6563/4F(Misc.)315/2021 Dated 17.11.2021 stating that the project is not coming under the ESZ of Chandaka Dampara WLS. Copy of the same is attached as **Annexure-IX**

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Grass Roots Research And Creation India Pvt. Ltd., Noida** on behalf of the project proponent, the SEAC decided to take decision on the proposal after receipt of following information / documents from the proponent including a site visit by Sub-Committee of SEAC.

a) Storm water and treated waste water is stated to be discharged to existing “earthen drain” which falls after 200 mtr with cross drainage work. It appears from the letter of Executive Engineer R&B that proposal is for construction of RCC drain during improvement of road widening. Thus it is apprehended that earthen drain cannot take this load of discharge .As such the following need to be submitted by PP. To obtain confirmation on construction of RCC drain details from R&B Dept. With time frame including the widening of road.

b) Basis of selection of number and capacity of DG set to be submitted. Installation drawing of stack/exhaust pipe with dimension to be submitted.

c) Calculation of number of proposed Rain water harvesting pits appears to be wrong and hence to be recalculated and re submitted.

d) Provision of two wheeler parking in terms of ECS with space in the layout map to be submitted. Adjacent intersecting road is very narrow and weak for two way simultaneous movement of vehicles and take the load and hence, required at least two lane strong road (7.5 mtr) as considered by PP. Thus, confirmation to this effect be obtained from R&B/appropriate authority of the government.

e) Detailed calculation of generation and consumption of solar power need to be submitted. Proponent needs to submit the capacity of solar power PV system planned to install along with the nos of solar lights etc planned and total kVA, then % of total power load.

ITEM NO. 03

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S. UNITED CONSTRUCTION CORPORATION FOR PROPOSED CONSTRUCTION OF “RESIDENTIAL COLONY PROJECT WITH TOTAL PLOT AREA - 9,124.19SQM., AND TOTAL BUILT UP AREA-24,601.44 SQM AT MOUZA - BADARAGHUNATHPUR, BHUBANESWAR, KHORDHA OF SRI. TAPAN KUMAR MOHANTY (PARTNER) - EC

1. The proposal is for Environmental Clearance of M/s. United Construction Corporation for proposed construction of “Residential Colony Project with total plot area - 9,124.19Sqm.,and total built up area-24,601.44 sqm at Mouza - Badaraghunathpur, Bhubaneswar, Khordha of Sri. Tapan Kumar Mohanty (Partner).

2. The project falls under category “B” or activity 8 (a)-Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.

3. M/s United Construction Corporation aims to provide a Residential Project located at Khata Nos. 270/3122, 270/3123, 400/3933, 400/3934 of Mouza- Badaraghunathpur, District Khurda, Bhubaneswar, Odisha on a land measuring 2.25 acres or 9124.19 m2. The project facilities include: 1 Towers i.e. Residential having 2 BHK (no. of dwelling units 186), gym, society room and departmental store. The site is coming under development plan of Bhubaneswar Development Authority.

4. **Location and Connectivity** - The Geographical coordinates of the project site is: Latitude: 20°13‘43.38"N and Longitude: 85°43‘41.86"E. The Nearest Highway is NH-16 which is 2.3 km (SE) away from project site, NH-57 which is 10 km (SSW) away from project site, NH-316 which is 13.0 (E) away from project site.SH-13 is 7.5 km towards NW direction. The nearest Railway Station is Retang Railway Station, 4.7 km (SE) away from the project site. Biju Patnaik International Airport, Bhubaneswar at 8.7 km (ENE) from project site.

5. The Detailed Area Statement of The Building:

S. No.	Description		Area (in m^2)
i)	Plot area		9,124.19
ii)	Permissible Ground Coverage (@50% of plot area)		4,562.095
iii)	Proposed Ground Coverage (@ 35.73% of plot area)		3,260.073
iv)	Permissible FAR (@3.0 of plot area)		27,372.57
v)	Proposed FAR (@ 2.14 of plot area)		**19,502.70**
	a.	Residential FAR	15105.38
	b.	Common Area FAR	4397.32
vi)	Non-FAR Area		**5,098.74**
	a.	Mumty + Service area	714.21
	b.	Stilt Floor	4384.53
vii)	Total Built-up area		24,601.44
viii)	Proposed Landscape area (33.12 % of plot area)		1472.80
ix)	Height of the tallest building (m)		14.95 m (up to terrace level)

6. **Water requirement**: The total water requirement will be Ground water met through Bore well which is approx.141 KLD, out of which total domestic water requirement is 129 KLD. The total domestic water will be 129 KLD, out of which fresh water requirement is approx. 85 KLD & flushing water will 44 KLD.
7. **Wastewater Generation & Treatment** - The project will generate approx. 112 KLD of wastewater. The wastewater will be treated in an onsite STP of 135 KLD capacity. The treated water (101KLD @ 90% of total waste water) will be reused for flushing (44 KLD), horticulture (12 KLD). Surplus treated water during dry season (45KLD), monsoon season (55 KLD) and winter season (52 KLD) will be discharged to external sewer with the requisite permission.
8. **Power requirement**: The power supply will be supplied by State Electricity Board. The requirement load for the project will be approx.760 kVA. 1 nos. of DG sets total 225 kVA capacity for power back up in the residential block and the services and annexure block. Silent DG sets (Radiator cooled). Separate generator yard will be constructed for the residential block.
9. **Rain Water Harvesting**: Total Runoff from Storm Water from Site is 264.31m^3 /hr so based on 1no. Harvesting pit volume 14.13 cum required 6 nos. Rain water Harvesting Pits.
10. **Parking Requirement**: Total Parking required Area is 4875.67 m2. Parking area proposed is 6275m2 or 214 ECS.
11. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).

12. **Green Belt Development:** Total green is proposed to be 3021.93 m2 (33.12% of plot area) which will include Plantation area = 1916.07 m2 (21%) + Lawn area = 1105.86 m2 (12.12%). No. of Trees to be planted = 165 Nos.
13. **Solid Waste Management:** The solid waste generated from the project shall be approx. 503 kg per day.
14. The total estimated population of project is 1070 persons (including Residents + staff + visitors).
15. The estimated project cost is ` 57.942 Crores, Environment Management Cost = Rs.155 lakhs and recurring cost is 48 lakhs/year.
16. The project proponent along with the consultant **M/s Grass Roots Research And Creation India Pvt. Ltd., Noida** made a detailed presentation on the proposal.
17. The SEAC members have raised certain queries as follows. Out of such queries, some queries have already been complied by the proponent, some queries have to be stipulated as specific conditions in Environmental Clearance and some queries have to be complied by the proponent.

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
i)	The public drain to which the excess treated waste water will be discharged and the permission from the authority of the drain to be submitted to take the additional load indicating the starting point and fall out of the said public drain.	Plan showing internal drainage network with outfall point is attached as Annexure- VI. We will discharge the surplus treated water to existing drain which is situated at approx. 300 m in SE direction from the site and we are in progress to obtain the permission for the same. We will submit the copy of permission in due course of time. Copy of undertaking for the same is attached as **Annexure-II**. **Permission of the authority of the drain for use with additional load and the ownership of the land is required to be submitted.**
ii)	Internal drain network with dimensions, both for treated waste water and surface run off / storm water to be submitted.	
iii)	The ownership of the land to be used by project proponent for connecting their internal to the above public drain and permission to use the same.	To be complied by the proponent
iv)	"NOC" from CGWA and permission from Water Resource Department Govt. of Odisha to be submitted for drawl of ground water.	Specific condition to be stipulated in EC
v)	Green belt width with contour (dimensional layout be submitted).	**Total green is proposed to be** 3021.93 m^2 **(33.12 % of plot area).** > **Plantation area-1916.07 m^2**

	Plan for augmentation of green belts in space and number of trees be submitted to reduce the load of discharge of treated waste water.	**(21%) + Lawn area- 1105.86 m^2 (14.78%)** > **No. of trees required = 1 tree/80 sq.m. of plot area =9124.19/80 = 112 no's** **Earlier, Total no. of trees proposed = 165 no's** **Now, As suggested by SEAC, Odisha, we are proposing the total no. of trees proposed =** 190 Nos. **Landscape plan is attached as** Annexure-I. **The undertaking w.r.t to increase the trees and for reuse of treated water is attached as** Annexure-II.
vi)	DG Set location w.r.t. predominant wind direction and location of the building towers be submitted through calculation of height of stack of DG Set works out to be 18 meters as per CPCB norms, it is mentioned as 6 meters and hence, needs correction Besides, the basis of selection of no. of DG Set and the capacity be submitted	To be complied by the proponent **Installation drawing of stack/exhaust pipe with dimension to be submitted.**
vii)	214 ECS is provisioned for 186 dwelling units including for visitors and floating population and without provision for two wheeler parking, taking the space of 18 m^2 /ECS. Thus, the following need to be confirmed: (a) Provision for two wheelers parking to be made and shown in the layout with dimension. (b) Provision need to be made for open parking for visitors and floating population and no. to be submitted. (c) Norm of space for each ECS with documentary evidence to the said effect to be submitted.	For residential area (25% of Proposed F.A.R) = 19,502.70*25/100 = 4875.67 m^2 Total Parking required Area = 4875.67 m^2 The parking provision: Area proposed for Surface parking = 488/23m^2 = 21 ECS Area proposed for Stilt Parking = 5787/28 m^2 = 207 ECS Parking proposed = 21+207 = 228 ECS The basis of parking as per NBC 2016 norms is attached as **Annexure-III**. **Provision of two wheeler parking in terms of ECS with space in the layout map to be submitted.**
viii)	Traffic study and its findings in terms of LOS (Level of Service) as per IRC norm to be submitted and mitigation plan as and if necessary be submitted	Traffic Study Report with management measures is attached as Annexure-VIII.
ix)	6 numbers rain water harvesting pits have been proposed. This is to be revisited and resubmitted. Considering maximum hourly rainfall based on 30 years data (Climate Logic Data) and accordingly, no of rain water	Earlier, we proposed 6 no's of the RWH Pits and after taking the 30 years of IMD data, it has been revised to 11 no's. Detailed calculations with RWH pit diagram and location plan of RWH pits are attached as Annexure-V

	harvesting pits (RWHP) be calculated / decided along with the corresponding design of the pit including retention time (hold)showing the norms for the same	(a & b).
x)	Internal road network with dimension be shown in the layout map and submitted along with provision for free movement of fire Tender	To be complied by the proponent.
xi)	Generation and consumption of solar power with plan and detail calculation be submitted, showing the percentage of the same against the total power demand	Total Load in KW = 854.0 KW The total energy will be 21 % (179.34 kVA) of total power load (854 kW or 1067.5 kVA). Break -up of the same is as follows: 5% (42.7 kVA) energy of total power load from solar lighting will be done in the common areas, stair cases, landscape areas, signages, entry/exit gates and boundary walls. 11% (93.94 kVA) will be through LEDs used in all rooms. 5% (42.7 kVA) will also be through LEDs in outdoor and common areas. Undertaking and Calculations for the same is given as Annexure-IV (a &b). **Solar power consumption detailed calculation be given against generation proposed.**
xii)	"Khatian" of the land with ownership/title of the land be submitted with 'Kisam' as "Gharabari"	Specific condition stipulated in EC.

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Grass Roots Research And Creation India Pvt. Ltd., Noida** on behalf of the project proponent, the SEAC decided to take decision on the proposal after receipt of following information / documents from the proponent including a site visit by Sub-Committee of SEAC.

a) Permission of the authority of the drain for use with additional load and the ownership of the land is required to be submitted.

b) The ownership of the land to be used by project proponent for connecting their internal to the above public drain and permission to use the same.

c) DG Set location w.r.t. predominant wind direction and location of the building towers be submitted through calculation of height of stack of DG Set works out to be 18 meters as per CPCB norms, it is mentioned as 6 meters and hence, needs correction. Besides, the basis of selection of no. of DG Set and the capacity be submitted. Installation drawing of stack/exhaust pipe with dimension to be submitted.

d) Provision of two wheeler parking in terms of ECS with space in the layout map to be submitted.

e) Internal road network with dimension be shown in the layout map and submitted along with provision for free movement of fire Tender.

f) Solar power consumption detailed calculation be given against generation proposed. Proponent needs to submit the capacity of solar power PV system planned to install along with the nos of solar lights etc planned and total kVA, then % of total power load.

ITEM NO. 04

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S. BUILDERS CONSOTIUM TRIDEV FOR PROPOSED CONSTRUCTION OF "RESIDENTIAL COLONY PROJECT WITH TOTAL PLOT AREA -16,156.74SQM., AND TOTAL BUILT UP AREA-39,757.3 SQM AT NEAR PRATAPNAGARI, DIST-CUTTACK OF SRI. CHETAN KUMAR TEKARIWAL (PARTNER) – EC

1. The proposal is for Environmental Clearance of M/s. Builders Consotium Tridev for proposed construction of "Residential Colony Project with total plot area -16,156.74Sqm., and total built up area-39,757.3 sqm at near Pratapnagari, Dist-Cuttack of Sri. Chetan Kumar Tekariwal (Partner).
2. The project falls under category "B" or activity 8 (a)-Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. M/s Builders Consortium Tridev aims to provide a Residential Colony Project located at Plot No. 1966, 1967, 1977/3199, 1978, 1981, 1987, 1988, 1989/6084, 1990, 1991, 1993, 1995, 1998, 1999, 2001, 2004, 2005, 2006, 2009, 2029, Khata No.932,922/210,918,985/385,11D-1,863,90,365,985/665,985/666,937,938,985/668, 985/667, 916,363, 985/667,985/668,985/669, 922/210, Mouza- Pratapnagari, District-Cuttack, Odisha. The site is coming under development plan of Cuttack Development Authority. There are Total 7 Towers i.e. Residential having 2 & 3 BHK. Residential Dwelling Units (265 nos.), Departmental Store, Club House and Swimming Pool.
4. **Location and Connectivity** - The Geographical coordinates of the project site is: Latitude: 20°23'45.83"N and Longitude: 85°53'03.59"E. The nearest Railway Station being Gopalpur Balikuda Railway Station & Bhubaneswar New Junction Railway Station are about 4 km (ESE) & 5 km (WSW) away from the project site and Biju Patnaik International Airport is at 17 km (SSW) from project site.
5. The Detailed Area Statement of The Building:

S. No.	Description	Area (in m^2)
i)	Plot area	16,156.74
ii)	Permissible Ground Coverage (@50% of plot area)	8,078.37
iii)	Proposed Ground Coverage (@ 49.9% of plot area)	8,062.213
iv)	Permissible FAR (@7 of plot area)	1,06,097.18
v)	Total Proposed FAR (@ 1.95 of plot area)	31,505.95
vi)	**Non-FAR Area**	8,251.35
	• Services Area	597.43
	• Mumty Area	266.99
	• Stilt Area	7,386.93

S. No.	Description	Area (in m^2)
vii)	Total Built-up area	39,757.3
viii)	Proposed Open Area	2,725.647
ix)	Required Parking Area as per bye laws (@25% of FAR area)	7876.49
x)	Proposed Parking Area (@30.36% of FAR area)	9565.56
xi)	Proposed Green Area (@33.23% of the plot area)	5,368.88 [which includes 22% area (3,554.48 sqm) for Green belt & 11.23 % area (590.576 sqm) for lawn]
xii)	Height of the tallest building (m) (up to terrace level)	14.95m

6. **Water requirement**: The total water requirement will be Ground water met through Bore well which is approx.210 KLD, out of which total domestic water requirement is 187 KLD. The total domestic water will be 187 KLD, out of which fresh water requirement is approx. 123 KLD & flushing water will 64 KLD.
7. **Wastewater Generation & Treatment** - The project will generate approx. 163 KLD of wastewater. The wastewater will be treated in an onsite STP of 196 KLD capacity. The treated water (147KLD @ 90% of total waste water) will be reused for flushing (64 KLD), horticulture (22 KLD). Surplus treated water during dry season (61 KLD), monsoon season (80 KLD) and winter season (72 KLD) will be discharged to external sewer/drain with the requisite permission.
8. **Power requirement**: The power supply will be supplied by State Electricity Board. The requirement load for the project will be approx. 1968 kW. 1 nos. of DG sets total 340 kVA capacity for power back up in the residential block and the services and annexure block. Silent DG sets (Radiator cooled). Separate generator yard will be constructed for the residential block.
9. **Rain Water Harvesting**: Total 4 RWH tanks at different locations will be constructed. Volume of each tank will be (6.5 m × 5.5 m × 2.5 m) = 89.37 m^3.
10. **Parking Requirement**: Total Parking required Area is 19.61.62 m^2. Parking area proposed is 8935.56 m^2 or 299 ECS.
11. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
12. **Green Belt Development:** Total green is proposed to be 5,368.88 m^2 (33.23 % of plot area which includes Plantation Area-21% + Lawn area –11.23%). No. of Trees to be planted = 287 Nos.
13. **Solid Waste Management:** The solid waste generated from the project shall be approx. 749 kg per day.
14. The total estimated population of project is 1659 persons (including Residents + staff + visitors).
15. The estimated project cost is ` 95.55 Crores. Environment Management Cost = ` 40.318 lakhs and recurring cost is ` 19.079 lakhs/year.
16. The project proponent along with the consultant **M/s Grass Roots Research And**

Creation India Pvt. Ltd., Noida made a detailed presentation on the proposal.

17. The SEAC members have raised certain queries as follows. Out of such queries, some queries have already been complied by the proponent, some queries have to be stipulated as specific conditions in Environmental Clearance and some queries have to be complied by the proponent.

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
i)	Quantity of discharge of treated waste water to drain be indicated during monsoon, non-monsoon and winter season with variation in use of this same for horticulture purposes.	To be complied by the proponent
ii)	04 no. of rain water harvesting pits (RWHP) have been proposed considering 40 mm/hr peak hour rain fall in 24 hours and 20 minutes retention time as such, peak hour rainfall considered is too low and hence, no. of pits. This will cause flooding with heavy rainfall. Thus, the following be submitted. a) Maximum hourly rainfall be taken based on 30 years data (Climate Logic Data) and accordingly no. of rain water harvesting pits be calculated / decided along with the corresponding design of the pit including retention time (hold) showing the norm for the same.	Earlier, we proposed 4 no's of the RWH Tanks and after taking the 30 years of IMD data, it has been revised to 5 no's of tanks. Detailed calculations with RWH tank location plan are attached as Annexure-V (a, & b). **Rain water harvesting pits to be recalculated considering the retention time (hold).**
iii)	Installation drawing with dimension of the DG Set stack height of 30 mtrs proposed be shown against the height of the tallest building of 14.95 mtrs. besides showing the location of the DG Set with reference of predominant wind direction and position of the building tower. Also number of DG Set is proposed as (1) number with capacity of 340 KVA. Thus, the basis of selection of number of DG Set and the capacity be submitted.	The building height will be 14.95 m. We are considering the stack height for 340 kVA DG Sets : Stack Height= 14.95 +.2 xVl500 = 14.95 + 0.2 x 15 = 17.95 mtr say 18 mtr However, Stack height is considered as 30 m as per CPCB norms & the CPCB norms for maintain minimum 30 m height is attached as **Annexure-VIII**. **Stack/exhaust pipe installation drawing for 30 mtr height of DG Set to be submitted.**
iv)	**Parking:** 299 ECS parking is provisioned for 265 dwelling units with only 04 ECS for open space parking and without provisions for two wheeler parking, taking the space of 30 m^2 /Car for stilt parking and 25 m^2 /Car for open parking.	As per Cuttack development authority bye-laws: For residential area including club (25% of Proposed F.A.R) = 7876.49 * 25/100 Total Parking required Area= 1,961.62m^2 Parking Proposed: Area proposed for Stilt parking =

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
	Hence, the following need to be confirmed: (a) Provision for parking for two wheelers to be made. (b) Increasing suitability the open space surface parking from 04 nos. indicated above. (c) Norm for space of each ECS with documentary evidence be submitted.	8842.21 Area proposed for 1 ECS of Stilt parking = 28 m^2 Parking proposed for Stilt parking = 316 ECS Area proposed for Surface Parking = 93.35 m^2 Area proposed for 1 ECS of Surface Parking = 23 m^2 Parking proposed for Surface Parking = 4 ECS TOTAL PARKING PROPOSED = 316+ 4 = 320 ECS Detailed parking requirement with provision and the basis of parking as per NBC 2016 norms is attached as **Annexure-III**. **1. Parking to be revisited with respect to surface parking which is inadequate and considering floating population of at least 10%.** 2. **Provision of two wheeler parking in terms of ECS with space in the layout map to be submitted.**
v)	Green belt width with contour (dimensional layout be submitted). Plan for augmentation of green belts in space and number of trees be submitted to reduce the load of discharge of treated waste water.	Total green is proposed to be 5368.88 m^2 (33.23% of plot area). > Plantation area-3554.48m^2 (22%) + Lawn area-590.576 m^2 (11.23%) > No. of trees required = 1 tree/80 sqm. of plot area =16156.74/80 = 202 no's Earlier, we proposed no. of trees = 287 Nos. As per SEAC suggestions, we are increasing the trees from 287 no's to 300 no's Landscape plan showing green area with increased trees and Undertaking for reuse of treated water is attached as Annexure-I & II.
vi)	Traffic study and its findings in terms of LOS (Level of Service) as per IRC norm to be submitted and mitigation plan as and if necessary be submitted.	Traffic Study Report with management measures is attached as Annexure-IX.
vii)	Internal road network with dimension be	To be complied by the proponent.

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
	shown in the layout map and submitted along with provision for free movement of fire Tender.	
viii)	Generation and consumption of solar power with plan and detail calculation be submitted, showing the percentage of the same against the total power demand.	Total electric load is 1968 kW. The total energy will be 22 % (432.96 kW) of total power load (1968 kW). Breakup of the same is as follows : 5% (98 kW) energy of total power load from solar lighting will be done in the common areas, stair cases, landscape areas, signages, entry/exit gates and boundary walls. • 12% (236.16 kW) will be through CFL/LEDs used in all rooms. • 5% (98kW) will also be through LEDs in outdoor and common areas. The solar energy saving calculations sheet, is attached as Annexure-IV .
ix)	"Khatian" of the land with ownership/title of the land be submitted with 'Kisam' as "Gharabari".	Specific condition to be stipulated in EC.
x)	The public drain to which the excess treated waste water will be discharged and the permission from the authority of the drain to be submitted to take the additional load indicating the starting point and fall out of the said public drain.	Plan showing internal drainage network with outfall point is attached as Annexure-VI. There is no existing drain for storm water and surplus treated water discharge in the proposed area. However, we have applied to PHED department (vide letter no. PLG-BP-303/2021) for the same. Acknowledgement copy of the same is attached as Annexure-VII (a). We are in progress to obtaining the permission for the same. We also will submit 1% of total project cost towards construction of the drain for the above said purpose. We will submit the copy of the permission in due course of time. Undertaking stating the same is enclosed as Annexure-II.
xi)	Internal drain network with dimensions, both for treated waste water and surface run off / storm water to be submitted.	
xii)	The ownership of the land to be used by project proponent for connecting their internal to the above public drain and permission to use the same.	To be complied by the proponent.
xiii)	"NOC" from CGWA and permission from Water Resource Department Govt. of Odisha to be submitted for drawl of	Specific condition to be stipulated in EC.

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
	ground water.	

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Grass Roots Research And Creation India Pvt. Ltd., Noida** on behalf of the project proponent, the SEAC decided to take decision on the proposal after receipt of following information / documents from the proponent including a site visit by Sub-Committee of SEAC.

a) Quantity of discharge of treated waste water to drain be indicated during monsoon, non-monsoon and winter season with variation in use of this same for horticulture purposes.

b) Rain water harvesting pits to be recalculated considering the retention time (hold).

c) Stack/exhaust pipe installation drawing for 30 mtr height of DG Set to be submitted.

d) Parking to be revisited with respect to surface parking which is inadequate and considering floating population of at least 10%.Provision of two wheeler parking in terms of ECS with space in the layout map to be submitted.

e) Internal road network with dimension be shown in the layout map and submitted along with provision for free movement of fire Tender.

f) The ownership of the land to be used by project proponent for connecting their internal to the above public drain and permission to use the same.

g) Solar power consumption detailed calculation be given against generation proposed. Proponent needs to submit the capacity of solar power PV system planned to install along with the nos. of solar lights etc. planned and total kVA, then % of total power load.

ITEM NO. 05

PROPOSAL FOR ENVIRONMENTAL CLEARANCE OF M/S. ZJSH SPV PVT. LTD. FOR PROPOSED CONSTRUCTION OF "RESIDENTIAL COLONY PROJECT" WITH TOTAL PLOT AREA-11,549.74SQM., TOTAL BUILT UP AREA-98,078.69 SQM AT CHANDRASEKHARPUR, DISTRICT-KHURDHA OF SRI. TAPAN KUMAR MOHANTY (DIRECTOR) - EC

1. The proposal is for Environmental Clearance of M/s. ZJSH SPV Pvt. Ltd. for proposed construction of "Residential Colony Project" with total plot area-11,549.74Sqm., and total built up area-98,078.69 sqm. at Chandrasekharpur, District-Khurdha of Sri. Tapan Kumar Mohanty (Director).
2. The project falls under category "B" or activity 8 (a)-Building and Construction projects under EIA Notification dated 14th September 2006 as amended from time to time.
3. M/s ZJSH SPV Pvt. Ltd. aims to provide a Residential Project at Plot No. 326 (P) & 324 (P), Khata No.-619, Mouza- Chandrasekharpur, District-Khurda, Bhubaneswar, Odisha on a land measuring 11,549.74 m2 (2.854 acres). The site is coming under development plan of Bhubaneswar Development Authority. There are Total 3 Towers i.e. Residential (Tower 1 to 3) having 2 BHK, 3 BHK & 4 BHK (total dwelling units – 410nos.) swimming pool & Club.

4. **Location and Connectivity** - The Geographical coordinates of the project site is: Latitude: 20°19'19.45"N and Longitude: 85°48'58.85"E. The site is adjacent to Prachi Enclave road in East and Care Hospital Road in South direction. Nearest NH-16 which is approx. 3.2 km in SE direction. The nearest railway station is Mancheswar Railway Station approx. 3.0 km in East direction from the project site and Biju Patnaik International Airport is at a distance of approx. 6.8 km in South direction from the project site.

5. The Detailed Area Statement of The Building:

S. NO.	PARTICULARS		AREA (SQ.M.)
i)	Total Plot area		11,549.74
ii)	Permissible Ground coverage (@40%)		4,619.88
iii)	Proposed Ground coverage @ 39.64 % of plot area)		4,578.92
iv)	Permissible F.A.R (@ 6.48 of plot area)		74,784.30
v)	Proposed F.A.R (@ 6.47 of plot area)		74,741.52
	a.	Residential	71,609.41
	b.	Club	3132.11
vi)	Non FAR area		4096.75
vii)	Stilt area		3262.77
viii)	Refuge area		833.98
ix)	Basement Area		19,240.42
x)	Basement-1		9603.87
xi)	Basement-2		9636.55
xii)	Total Built-up Area (5+6+7)		98,078.69
xiii)	Maximum Height of the Building (m) (2B+G+31)		102 m
xiv)	Landscape area (33.5 % of plot area)		3,862.99

6. **Water requirement**: The total water requirement will be met through Ground Water and Bore well which is approx. 378 KLD, out of which total domestic water requirement is 353 KLD. The total domestic water will be 353 KLD, out of which fresh water requirement is approx. 232 KLD & flushing water will 122 KLD. Makeup water for swimming pool will be 1 KLD.

7. **Wastewater Generation & Treatment** - The project will generate approx. 307 KLD of wastewater. The wastewater will be treated in an onsite STP of 370 KLD capacity. The treated water (276 KLD @ 90% of total waste water) will be reused for flushing (122 KLD), horticulture (24 KLD). Surplus treated water during dry season (130 KLD), monsoon season 152 KLD) and winter season (147 KLD) will be discharged to external sewer with the requisite permission.

8. **Power requirement**: The power supply will be supplied by TP Central Odisha Distribution Limited (TPCODL). The requirement load for the project will be approx. 2145.30 kW or

2681.63 kVA. There is provision of 3 nos. of DG sets total 3010 kVA (1*1500 kVA+1*500 kVA) capacity for power back up in the project. 1*1010 kVA DG set will be kept as stand by. The DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.

9. **Rain Water Harvesting**: Total Runoff from Storm Water from Site is 288.99m³ /hr.so based on 1no. Harvesting pit volume 14.13 cum required 5 nos. Rain water Harvesting Pits.
10. **Parking Requirement**: Total parking area requirement will be 22,422.456 m2 and provision will 22,503.19 m2. And Total Parking i.e 781 ECS (710 ECS + 71 Visitor parking) will be provided.
11. **Firefighting Installations:** Firefighting system will be installed as per recommendation of the Firefighting Officer, Odisha and as per the guideline of NBC (part-4).
12. **Green Belt Development:** Total green area measures 3,862.99 m2 i.e. (33.5 % of the plot area) which will include Plantation area-2425.5 m2 (21%) + Lawn area-1,437.49 m2 (12.5%).No. of trees required = 1 tree/80 sq.m. of plot area =11,549.74/80 = 144 Nos. Total no. of trees proposed = 150 Nos.
13. **Solid Waste Management:** The solid waste generated from the project shall be approx. 1418 kg per day.
14. The total estimated population of project is 3363 persons (including Residents + staff + visitors).
15. The estimated project cost is ` 200 Crores. Environment Management Cost = Rs.59.64 lakhs and recurring cost is 23.91 lakhs/year.
16. The project proponent along with the consultant **M/s Grass Roots Research And Creation India Pvt. Ltd., Noida** made a detailed presentation on the proposal.
17. The SEAC members have raised certain queries as follows. Out of such queries, some queries have already been complied by the proponent, some queries have to be stipulated as specific conditions in Environmental Clearance and some queries have to be complied by the proponent.

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
i)	"Khatian" (Patta) of the entire land with "Kisam" as Gharabari and title of the land document in favor of the PP to be submitted before starting of the construction work.	Specific condition to be stipulated in EC
ii)	781 ECS is provisioned for 410 dwelling units for 4 wheelers without provision for open space parking for visitors and floating population for two wheelers. Thus, the following need to be confirmed. (a) Provision for parking for two wheelers to be made. (b) To provide open space surface parking for visitors / floating population and show with	Parking Proposed : Basement-1 = 9603.87/32 m^2 = 300 ECS Basement-2 = 9636.55/32 m^2 = 301 ECS Earlier Stilt Parking proposed= 3262.77/28 m^2 = 117 ECS Total Parking Area proposed=

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
	dimension in the layout map. (c) Norm for space of each ECS to be submitted with documentary evidence.	22,503.19 m^2 We have increased 10 no's of surface parking Parking proposed = 300+301+117+10 = 728 ECS Visitors Parking = 10% of the proposed parking = 73 ECS Total Parking proposed including visitors parking = 728+73 = 801 ECS Detailed parking calculations, parking plan and the basis of parking as per NBC 2016 norms is attached as Annexure-II (a & b). **Provision of two wheeler parking in terms of ECS with space in the layout map to be submitted.**
iii)	Discharge of treated waste water drain is stated to be 152 KLD. How much discharge during monsoon? and winter? Staring point of the public drain and fallout of the same be indicated with a distance between the internal drain and public drain be submitted.	To be complied by the proponent
iv)	Permission of the authority of the public drain to take the load of additional treated waste water discharge including the ownership of the land to be used by project proponent for connecting their internal drain to the above public drain.	To be complied by the proponent
v)	The ownership of the land to be used by project proponent for connecting their internal to the above public drain and permission to use the same.	To be complied by the proponent
vi)	Internal drain network with dimensions (both for treated waste water and surface runoff / storm water)	Plan showing internal drainage network with outfall point and connectivity to final disposal point which is adjacent to the site. Plan for the same is attached as Annexure- IV(c). We are in progress to obtain the permission and the same will be submitted in due course of time. An undertaking for the same is attached as Annexure-V.
vii)	Internal road map having provision for free movement of Fire Tender be submitted.	To be complied by the proponent
viii)	Green belt coverage has been shown as 3862.99	Total green is proposed to be

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
	m^2 (Exactly 20 % as per the norm) Green belt width with counter (Dimensional layout with calculation) be submitted	3,862.99 m^2 (33.5 % of plot area). Plantation area-2425.5 m^2 (21%) + Lawn area-1,437.49 m^2 (12.5%) No. of trees required = 1 tree/80 sq.m. of plot area =11,549.74/80 = 144.3 say 144 Nos. Earlier, we proposed no. of trees = 150 Nos. As per SEAC suggestions, we are proposing 160 no's of trees. Landscape plan is attached as Annexure-I.
ix)	DG set location of 3 DG Sets proposed be shown w.r.t. predominant wind direction vis-a-vis the position of the towers and the basis of selection of number of DG Set and the capacity be submitted. Installation drawing of the stack height of all 3 DG Sets be submitted.	To be complied by the proponent
x)	Traffic study : Findings of the Traffic Study shows LOS (Level of Service) as C to D per IRC norm which means “poor to very poor”. Thus, mitigation and decongestion measures with implementation plan of the same be submitted.	Traffic Study Report with management measures is attached as Annexure-VII.
xi)	Generation and consumption of solar power with plan and detail calculation be submitted, showing the percentage of the same against the total power demand.	Total electric load is 2145.30 kW or 2681.63 kVA. The total energy will be 21.5 % (576.55 kVA) of total power load (2681.63 kVA or 2145.30 kW). Break up of the same is as follows : 5% (134 kVA or 107.27 kW) energy of total power load from solar lighting will be done in the common areas, stair cases, landscape areas, signages, entry/exit gates and boundary walls. 11.5% (308.55 kVA) will be through LEDs used in all rooms. 5% (134 kVA 107.27 kW) will also be through LEDs in outdoor and common areas. The solar energy saving calculations sheet, undertaking and Solar panel layout are attached as Annexure-III(a, b &

Sl. No.	Queries raised by the SEAC	Already complied by the proponent / To be complied by the proponent and / or specific condition to be stipulated in EC.
		c). **1. Detailed calculation of consumption of solar power against proposed generation to be submitted.**
xii)	"Khatian" of the land with ownership/title of the land be submitted with 'Kisam' as "Gharabari".	Specific condition to be stipulated in EC
xiii)	"NOC" from CGWA and permission from Water Resource Department Govt. of Odisha to be submitted for drawl of ground water.	Specific condition to be stipulated in EC
xiv)	5 numbers rain water harvesting pits have been proposed. This is to be revisited and resubmitted. Considering maximum hourly rainfall based on 30 years data (Climate Logic Data) and accordingly, no of rain water harvesting pits (RWHP) be calculated / decided along with the corresponding design of the pit including retention time (hold)showing the norms for the same.	Earlier, we proposed 5 no's of the RWH Pits and after taking the 30 years of IMD data, it has been revised to 8 no's. Detailed calculations with RWH pit diagram and location plan of RWH pits are attached as Annexure-IV (a, b & c). **Rain water harvesting pit detailed to be submitted.**

Considering the information / documents furnished by the proponent and presentation made by the consultant **M/s Grass Roots Research And Creation India Pvt. Ltd., Noida** on behalf of the project proponent, the SEAC decided to take decision on the proposal after receipt of following information / documents from the proponent including a site visit by Sub-Committee of SEAC.

a) Provision of two wheeler parking in terms of ECS with space in the layout map to be submitted.

b) Discharge of treated waste water drain is stated to be 152 KLD. How much discharge during monsoon? and winter? Staring point of the public drain and fallout of the same be indicated with a distance between the internal drain and public drain be submitted.

c) Permission of the authority of the public drain to take the load of additional treated waste water discharge including the ownership of the land to be used by project proponent for connecting their internal drain to the above public drain.

d) The ownership of the land to be used by project proponent for connecting their internal to the above public drain and permission to use the same.

e) Internal road map having provision for free movement of Fire Tender be submitted.

f) DG set location of 3 DG Sets proposed be shown w.r.t. predominant wind direction vis-a-vis the position of the towers and the basis of selection of number of DG Set and the capacity be submitted. Installation drawing of the stack height of all 3 DG Sets be submitted.

g) Detailed calculation of consumption of solar power against proposed generation to be submitted. Proponent needs to submit the capacity of solar power PV system planned to

install along with the nos of solar lights etc planned and total kVA, then % of total power load.

h) Rain water harvesting pit detailed to be submitted.

ITEM NO. 06

PROPOSAL OF ENVIRONMENTAL CLEARANCE OF M/S GREEN TECH ENVIRON MANAGEMENT PVT. LTD. FOR PROPOSED COMMON BIOMEDICAL WASTE TREATMENT FACILITY (CBWTF) AT MOUZA- PARMANPUR (PLOT NO. 473, CHAKA KATA NO. 536 AND 207), TAHASIL- MANESWAR, DISTRICT-SAMBALPUR OF SRI RAMAKANT BURMAN – PRESENTATION OF APPEAL

1. The proposal is for Environmental Clearance of M/s Green Tech Environ Management Pvt. Ltd. for proposed Common Biomedical Waste Treatment Facility (CBWTF) at Mouza- Parmanpur (Plot no. 473, Chaka Kata no. 536 and 207), Tahasil- Maneswar, District-Sambalpur of Sri Ramakant Burman.
2. The project falls under schedule 7 (da) “Biomedical Waste Treatment Facility” Category-B as per the EIA notifications, 2006 amendments dated 17th April, 2015
3. M/s. GreenTech Environ Management Pvt. Ltd. has proposed a New Common Biomedical Waste Treatment Facility (CBWTF) Project at Plot no. 473, Chaka Kata no. 536 and 207, Mouza Parmanpur, P.S. Sason, Maneswar, District- Sambhalpur, Odisha
4. Location and Connectivity **-** Geographical co-ordinates of the Project is Latitude: 21°32'16.96" N and Longitude: 84° 5' 34.32" E. Project site is falling in Survey of India Toposheet No. 64O/14, 64O/15, 73C/2 and 73C/3. Parmanpur Town is at 1.21 km. NH-6 is at 6.95 km. Sambalpur Railway Station at 14 Km. Raipur Airport at 245 km. Bhubaneshwar International Airport at 229 km. Harad nadi is at 3.5 Km. Malati Jhor Nadi is at 7.0 Km S, Munaki Nalla is at 6.0 Km. Jharghati Garpati RF is at 6.0 Km. Junan RF is at 9.0 Km. Lamdungri RF is at 9.0 Km. 5.Project site is 14 Km away from Critically Polluted Area, Ib Valley-Jharsuguda.
5. The proposed CBWTF unit consist of Incinerator (250 kg/hr) - 1no., Autoclave (500 liters per batch) - 1no., Shredder (100 kg/hr) - 1 no. and ETP (50KLD) – 1 no.
6. Water Requirement – Water requirement for the project will be 23 KLD. For drinking & domestic purpose water requirement will be 2 KLD, for process will be 18 KLD, for Green belt development and dust suppression will be 2 KLD. Borewell will be used for drinking and domestic purpose.
7. Power Requirement - Total electricity requirement of the project is about 80 KVA. Required power will be sourced from The Grid Corporation of Odisha Limited (GRIDCO). Additionally, DG set of 62.5 KW capacity has been proposed as backup support in case of power failure.
8. Green Belt- 33% (3329.75 acre) of total plot area shall also be developed under Green Belt.
9. Employment Potential: Total 60 nos. of manpower is proposed to be required to run the facility smoothly. Required manpower shall be sourced from local area.
10. ToR Application was submitted through online portal of MoEF&CC, Govt. of India on 17.11.2017. Project was considered for ToR Presentation on dated 05.01.2018.
11. ToR Letter for Baseline Environmental Studies and Preparation of EIA/EMP Report was granted on 25.01.2018.
12. Baseline data collection were conducted during 1st March, 2018 to 31st May, 2018

considering one non monsoon season.

13. Public hearing for proposed project was conducted on 18.01.2020.
14. Solid waste generation - During Construction phase of the unit, solid & hazardous waste will be wooden, metallic waste, containers, oil drums and domestic waste from the labor unit etc. During operation of the unit main waste will be Ash from incinerator and Sludge from ETP. Total 100-200 kg/day of incineration ash and 20-30 kg/day of residues shall be generated from the treatment unit. Ash residue from high temperature incineration and other material residues from the process shall be collected into containers / bags and shall be stored at temporary ash storage shed and shall be disposed into the secured landfill periodically after sufficient accumulation. Approx. 200-300 kg /month of Sludge will be generated from ETP. During operation phase 60 persons are engaged in operation phase and approx. 60 kg/day municipal solid waste is generated. All generated waste shall be disposed to secured land fill site as per the direction of OSPCB.
15. The project cost is ` 25 crores.
16. The Environment consultant **M/s SMS Envocare Ltd. 301, Pentagon, P-3, Magarpatta City, Hadapsar, Pune, Maharashtra** along with the proponent has made a presentation on the proposal before the Committee on 18.11.2020.
17. The SEAC in its meeting held on dated 18.11.2020 decided to take decision on the proposal after receipt of the following information / documents from the proponent.
18. The project proponent has furnished compliances as desired by the committee and same has been verified as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
(i)	Distance of the site from another Bio-medical Waste facility at Sundargarh	Another Common Biomedical Waste Treatment Facility is Located in DHH, Sundargarh which is 65 km away towards South direction from proposed project site of Greentech Environ Management Pvt. Ltd. Google Image showing distance is enclosed as ***Annexure-1.***
(ii)	75KM geographical domain should be left during collection of wastes as another unit has already established in Sundergarh after obtaining Environmental Clearance from SEIAA, Odisha. Details of coverage area for waste collection to be provided	Agreed. 75 Km geographical domain will be left during collection of wastes as another unit has already established in Sundergarh after obtaining Environmental Clearance from SEIAA, Odisha. Proposed project will collect waste from Sambalpur, Jharsuguda, Bargarh, Balangir, Boudh, Subarnapur, Angul and Deogarh districts. We will not involve in the coverage area specified for CBWTF developed at Sundergarh.
(iii)	Status of NOC from CGWA and approval from Water Resources, Deptt. Odisha for use of ground water	Application for Ground Water Extraction is yet to be submitted to CGWA and approval from Water Resources, Dept. Odisha. NOC from CGWA and approval from Water Resources, Deptt. Odisha will be taken after getting EC.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
(iv)	Study report on Occupational community health hazards and mitigative measures	Study report on Occupational community health hazards and mitigative measures is enclosed As ***Annexure-2***
(v)	Report on possible hazardous waste generation and its disposal practice	During Construction phase of the unit, solid & hazardous waste will be wooden, metallic waste, containers, oil drums and domestic waste from the labour unit etc. During operation of the unit main waste will be Ash from incinerator and Sludge from ETP. Total 100-200 kg/day of incineration ash and 20-30 kg/day of residues shall be generated from the treatment unit. Ash residue from high temperature incineration and other material residues from the process shall be collected into containers / bags and shall be stored at temporary ash storage shed and shall be disposed into the secured landfill periodically after sufficient accumulation. Approx. 200 -300 kg/month of Sludge will be generated from ETP. During operation phase 60 persons are engaged in operation phase and around 50-60 kg/day municipal solid waste is generated. All generated waste shall be disposed to secured land fill site as per the direction of OSPCB.
(vi)	Recycle of Plastic should be opted if possible. Detailed proposal to be given	Plastic waste generated from medical and clinical activities are Contaminated Waste (Recyclable) Wastes generated from disposable items such as tubing, bottles, intravenous tubes and sets, catheters, urine bags, syringes (without needles and fixed needle syringes) and vacationers with their needles cut) and gloves etc. As per procedure it is stored in Red coloured non-chlorinated plastic bags or containers. Treatment of the same involved Autoclaving or micro - waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent to registered or authorized recyclers or for energy recovery or plastics to diesel or fuel oil or for road making, whichever is possible. There will not be disposal into CHWTSDF.
(vii)	Arrangement for collection of wastes from health centres with safety measures to be adopted	Waste from each health care establishment shall be collected on a daily basis. Segregated wastes collected in non-

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		chlorinated, bar-coded and colour coded plastic bags from different wards and after internal shifting to the common collection point shall be the responsibility of health care establishments. Waste bags must be properly packed and sealed (tied) before shifting to avoid spillage. The common collection point room location, from where the operator's vehicle will lift the wastes must be mutually agreed for easy access of vehicle and environmental safe. Incinerable waste and autoclavable wastes must be kept with separate identity at common collection point for collection by the operator in separate colour coded closed containers for unloading in separate treatment area. The operator undertakes to transport the collected waste in GPS- enabled closed container vehicles. Personal protective equipment will be provided to all the workers during collection, transportation, shifting, segregation, treatment and final disposal. Operation of CBWTF will be strictly as per guidelines specified by CPCB and as per direction of OSPCB.
(viii)	Diesel to be used as fuel for incinerator. Details of storage facility and explosive licence status for storage of diesel at the site	High Speed Diesel (HSD) will be used for ignition of incinerator and for DG Set. Once Incinerator is charged, it will be run through electricity. Total fuel requirement for the project will be around 500-600 Liters/day. The same will be sourced from local market. PESO Licence for storage of HSD for such capacity is not required.
(ix)	Bio-medical wastes to be collected from individual health centres to the common collection centres by the project proponent only. This is to be confirmed by project proponent	Agreed. Greentech Environ Management Pvt. Ltd. will be responsible for collection, transportation, segregation at facility, treatment and disposal of waste. Operation of CBWTF will be strictly as per guidelines specified by CPCB and as per direction of OSPCB. Undertaking for the same is enclosed as ***Annexure-3***

19. Meanwhile, Mediaid Marketing Services, an OSPCB authorized common biomedical waste treatment & disposal facility (CBWTDF) operator having facility of 7TPD at Amasaranga. Majhapada, District Sundargarh has requested vide Ref no: MMS/2021/6204 dated 09.03.2021 that:

- The public hearing was conducted on 26th Dec, 2018 at Majhapara Gram Panchayat office, Block-Sadar.
- EC for the plant has been granted from State Level Environment Impact Assessment

Authority (SEIAA), Odisha, Bhubaneswar vide ref no 7998/SEIAA dated 18 03 2020.

- After completion of construction and machinery installation, consent to operate was taken from state Pollution Control Board, Regional office, Rourkela vide consent order no 11/2020-21 (WPC & APC) dated 30.09.2020.
- It has come to their knowledge that a public hearing was held by M/s Green Tech Environ Management PVT Ltd for establishment of a new CBWTDF at Parmanpur. Sambalpur District. As per CPCB guideline 2016 for CBWTDF the coverage area of a CBWTDF located within the respective state/UT shall be allowed to cater healthcare units situated at a radial distance of 75 KMs. However. in a coverage area where 10.000 beds are not available within a radial distance of 75 KMs existing CBWTDF may be allowed to cater the healthcare units situated upto 150 KMs radius w.r.t its location. The Mediaid, CBWTDF plant has been designed to cater to 10,000+ beds with latest machinery. The regional bed strength within a distance of even 150 KMs radius is way less than 10,000 beds. So, setting up a new CBWTDF in Sambalpur district will be disastrous to their very existence and they are looking at huge financial losses as the bed strength in the region is already lower than 10,000 beds.

- Also, as per CPCB guidelines, 2016 under criteria for development of a new CBWTDF for a locality or region, if a coverage area requires additional treatment capacity, in such a case, action may be initiated by the prescribed authority for allowing a new CBWTDF in that locality without interfering the coverage area of the existing CBWTDF & beds covered by the existing CBWTDF. But this new proposed facility falls within the coverage area of their newly operational CBWTDF.
- Also, being a new facility, any consideration should be allowed only after achieving 10,000 beds. They humbly request to discontinue the process for setting up at any new facility in the region (within a distance of 150 KMs from existing CBWTDF) until & unless plant achieves full capacity. Also, the distance between Mediaid Marketing Services and proposed site in Sambalpur district is approx. 100 KMs.

20. The SEAC in its meeting held on dated 19-03-2021 decided to take decision on the proposal after a detailed joint consultation meeting with the proponent of both the CBWTDF i.e. Mediaid Marketing Services and M/s Green Tech Environ Management Pvt. Ltd. about the coverage area as both the CBWTF is located 65 Kms away from each other.
21. Both the proponents i.e. Mediaid Marketing Services and M/s Green Tech Environ Management Pvt. Ltd. were called for a joint consultation meeting on 05.10.2021 at 03:00 PM through Video Conferencing. The Managing Director of M/s Mediaid Marketing Services attended the meeting, but no body from M/s Green Tech Environ Management Pvt. Ltd. attended the meeting.
22. The Managing Director of M/s Mediaid Marketing Services had explained his problem to the Committee as pointed out in his appeal as per para 19 above.
23. Considering the information furnished and presentation made by the proponent and consultation meeting with the existing CBWTF operating within 65 km from the proposed CBWTF, the SEAC in its meeting held on dated 05-10-2021 recommended to reject Environmental Clearance for the proposal for the following reason.

a) Para 7 (3) of Bio-Medical Waste Management Rules, 2016 stipulates “No occupier shall establish on-site treatment and disposal facility, if a service of Common Bio-medical Waste Treatment Facility is available at a distance of seventy-five kilometers”. The proposed CBWTF of M/s Green Tech Environ Management Pvt. Ltd. is proposed to be located within 65 km away from another existing CBWTF (i.e., M/s Mediaid Marketing Services in Sundargarh district).

24. The SEIAA in its meeting held on dated 25.10.2021 decided to send the proposal to SEAC to re-examine the issue with respect to the CPCB guidelines.

25. The project proponent was called for a detailed presentation on their appeal to re-examine the issue w.r.t the CPCB guidelines before the SEAC during the meeting held on dated 16.11.2021. The project proponent intimated the following for re-consideration of their proposal for grant of Environmental Clearance.

    i) They have not got any information to appear before the SEAC on 05.10.2021 for joint consultation meeting with M/s Mediaid Marketing Services. As a result, they were not able to place their view in the joint consultation meeting.

    ii) Though they have obtained ToRs to set up the Common Facility, they were unable to submit the final EIA report due to delay in conducting public hearing for which they were delayed to set up the plant prior to Mediaid Marketing Services.

    iii) They have decided not to collect the Bio-medical waste from the coverage area of 75 Kms of Common Facility of M/s Mediaid Marketing Services.

    iv) States like Maharastra, Madhya Pradesh, Gujrat etc. have been allowed Common Facility of Bio-Medical waste even within 30 kms of another Common Facility.

    v) There is a need to set up Common Facility of Bio-Medical Waste in each district of the State.

    vi) Depending on the demand of the Common Bio-Medical Facility in the State, they may be allowed to set up the Bio-Medical Facility in the proposed site.

26. After hearing from the proponent, the SEAC opined the following:

    a) CPCB guidelines 2016 for CBWTDF stipulates that the coverage area of a CBWTDF located within the respective state/UT shall be allowed to cater healthcare units situated at a radial distance of 75 KMs. However, in a coverage area where 10.000 beds are not available within a radial distance of 75 KMs existing CBWTDF may be allowed to cater the healthcare units situated upto 150 KMs radius w.r.t its location.

    b) As per CPCB guidelines, 2016 under criteria for development of a new CBWTDF for a locality or region, if a coverage area requires additional treatment capacity, in such a case, action may be initiated by the prescribed authority for allowing a new CBWTDF in that locality without interfering the coverage area of the existing CBWTDF & beds covered by the existing CBWTDF. But this new proposed facility falls within the coverage area of their newly operational CBWTDF and already a petition have been received from the owner of that existing Common Facility.

    c) The SEAC has no power to take any decision to allow such unit violating the guidelines of CPCB issued in this regards. However, the SEIAA may consider to take a decision on the matter to allow such unit after obtaining views from CPCB and / or MoEF&CC, Govt. of India and also obtaining information from other States as pointed out by the proponent. Moreover, the SEAC has no objection from technical point of view if such unit is allowed in that area.

Approved

06.12.2021

SECRETARY, SEAC

CHAIRMAN, SEAC