



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, Dhurwa, Ranchi, Jharkhand-834004

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Letter No.- EC/SEIAA/2018-19/2089/2018/89

Ranchi, Date: 14.02.19

To: **Shri Yateen Kumar Suman (CEO),**
M/s Ranchi Smart City Corporation Limited,
3rd Floor, M. R. Tower,
Line Tank Road,
Dist – Ranchi, Jharkhand - 834 001

Sub: Prescribing of ToR to “Smart City Project” of M/s Ranchi Smart City Corporation Ltd at Vill. Latma, Jaganathpur, Kalyanpur, Kachnartoli, Hatia, Tehsil – Namkum, Dist. Ranchi, Jharkhand” regarding..

Ref: Your application no.: 07, Dated : 03.01.2019.

Sir,

The proposal was considered by the committee to determine the “Terms of Reference (TOR)” for undertaking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA Notification, 2006 and amendments thereafter. For this purpose the project proponent has submitted the prescribed Form - I & PFR the proposed project falls under item 8 (a) Townships and Area Development Projects as per EIA Notification, 2006.

The salient feature of project is given in table given below :

Name of the project	“Smart City Project” of M/s Ranchi Smart City Corporation Ltd
Name of applicant	M/s Ranchi Smart City Corporation Ltd
Category of the project	8 (b) Townships and Area Development projects.
Project location	Village : Latma, Jaganathpur, Kalyanpur, Kachnartoli, Hatia Tehsil : Namkum, Dist.: Ranchi. HEC Area, Situated in Southern part of Ranchi City. Latitude : 28° 18’ 16.50” N Longitude : 85° 18’ 01.44” E.
Total land area	656.30 Acres (265.595 Ha).
Plot area	26,55,952 Sqm.
Proposes FAR area (incl. Institutional, Residential, Commercial, Public / semi	46,93,734.54 Sqm

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Public Mix use component)	
Expected Population	69,270 Persons
Total Water Requirement	18 MLD (The fresh water demand will be obtained from Hatia Dam WTP and Getalsud Dam WTP)
Fresh Water requirement	12 MLD
Proposed STP Capacity	14.4 MLD
Recycled Water	6 MLD
Proposed Parking	2755 ECS
Municipal Wastes (domestic and or commercial wastes)	<p>Construction Phase : Municipal solid waste – 48.75 Kg/day Operation Phase : Municipal solid wastes - 43.09 TPD The solid waste includes paper, card board, plastic cans etc. and kitchen wastes from houses. Recyclable wastes like card boards and plastic cans will be sold to vendors.</p> <p>Sewage sludge : 750 kg/day of sewage sludge will be generated which will be use as manure for plants and surplus manure will be sold to the farmers. Waste water will also generate from construction activities, cleaning, curing washing etc. which contain suspended materials.</p> <p>Hazardous waste : 0.52 liters/day (of waste oil will be generated and sold to authorised recyclers).</p>
Liquid Effluent	<p>Construction Stage : During the construction stage domestic liquid effluent generation will be approx. 9.275 KLD from labor camp proposed at site.</p> <p>Operation Stage : Effluent will be treated in Sewage Treatment Plant of 14.4 MLD. The total treated water from STP will be reused for flushing, horticulture, HVAC and DG cooling activities.</p>
Total Power requirement	131.16 MW
Nearest Airport / Railway	<p>Birsa Munda Airport – 1.50 KM, NE.</p> <p>Hatia Railway Station : 0.27 KM, NE direction.</p>

DFO, Ranchi vide letter no. 4273, dated - 22.12.18 certified that the distance of Battery Point from notified forest land is 1300 m from project site and not within 10 km from National Park, Bio-Diversity & Sanctuary. The CO, Namkum vide letter no. 29, dated - 07.01.19 has certified the plot of the project site is not recorded as “Jangle Jhari”. The committee discussed the issue which is as per **MoEF & CC OM dated 29.08.2017.**

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its meetings held during 29th, 30th and

31st January 2019, the Committee recommends issuing of TOR for consideration of SEIAA for undertaking detailed EIA / EMP study.

SEAC, Jharkhand has suggested the ToRs in its 66th meeting dated 29th, 30th and 31st January, 2019 and SEIAA, Jharkhand has approved the ToRs in its meeting held on 08th February, 2019.


The TORs prescribed for undertaking detailed EIA study are as follows:

Specific Conditions :

1. Two river pan through the projects. PP should submit a study report on the ecology of the system and the impact of the proposed smart city project on the river flow.
2. A study report on the cumulative impact of the proposed project along with the thickly developed/developing populations around 2 km of the area in terms of pollution traffic & sewage system.

A. Standard Conditions :

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
6. Submit the details of the trees to be felled for the project.
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be


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- analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
 18. Examine the details of transport of materials for construction which should include source and availability.
 19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
 20. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
 21. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
 22. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
 23. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".
 24. The prescribed TORs would be valid for a period of three years for submission of the EIA / EMP reports, as per the O.M. No. J-11015/109/2013-IA.II(M) , dated 12.01.2017.

Sd/-


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No.-EC/SEIAA/2018-19/2089/2018/89

Dated: 14.02.19

Copy to:

1. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
2. Member Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.