



**State Level Environment Impact Assessment Authority, Jharkhand**

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

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Ranchi, Date:

Letter No.- EC/SEIAA/2021-22/2550/2021/

To: **Shri Akash Adukia (Director)**  
**M/s ILIKA ESTATES PRIVATE LIMITED,**  
**2<sup>nd</sup> Floor, 2a, GEL Church Complex,**  
**Main Road Ranchi, Jharkhand – 834001.**

Sub: Prescribing of ToR to “Residential Complex “Samriddhi Park” of M/s ILIKA ESTATES PRIVATE LIMITED (Prop: Sri Akash Adukia), at Village : Arra, Arra Gate, Tehsil : Namkum, Dist : Ranchi, Jharkhand” (Proposal No. : SIA/JH/MIS/72415/2022) - regarding.

Ref: Your application no.: Nil, Dated : 21.02.2022.

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) Building and Construction Projects as per EIA Notification, 2006.

This is a case of violation which has been taken for appraisal on 23.02.2022 in the light of OM no. F.No.22-21/2020-IA.III[E 138949] dated 28.01.2022 of MoEF & CC, Govt. of India, order passed by Hon'ble Apex Court in the matter of civil appeal no. 7576-7577 of 2021 in Electrosteel Steels Ltd. vs Union of India and SOS vide OM no. F.No. 22-21/2020-IA.III dated 07.07.2021 issued by MoEF & CC, Govt. of India.  
Project is classified as Category 8(a) as per EIA Notification as the built up area is less than 1,50,000 sq m and development area is less than 50 ha.

**EC Application for: Built-up area of 43807.44 sq m.**

**PROJECT and LOCATION Details:**

Parameters	Description
Plot Area	19476.76 m <sup>2</sup>

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Location	Village Arra. Thana Tatisilway, Arra Gate, Namkum Ranchi, Jharkhand
Project Cost	INR 58 Crores
Built-up Area	43807.44 m <sup>2</sup>
Green Area	4040.60 m <sup>2</sup> (@20.75% of plot area
Population	2211 Nos.
Water Requirement	129 KLD
Fresh Water Requirement	73 KLD
Wastewater Generation	90 KLD
STP Capacity	120 KLD
Total Municipal Waste	611 kg/day
Power Requirement	1400 KVA (Jharkhand State Electricity board)
DG Sets	320 KVA (2 numbers)
RWH Pits	3 Nos.
Parking	353
Connecting road	SH 1 (0.2 km, N)
National Highway& Roads	<ul style="list-style-type: none"> <li>• SH 1 (0.2 km, N).</li> </ul>
Nearest Railway Station	<ul style="list-style-type: none"> <li>• Ranchi Junction (7.0 km, West)</li> </ul>
Airport	Birsa Munda Airport 9.8 km, SW)
Nearest Hospitals	<ul style="list-style-type: none"> <li>• Shree super specialty hospital(1.29 km, NW)</li> <li>• RC Mission Middle School (0.1 km, W)</li> <li>• Rajkiya Hansraj Wadhwa High School (1.9 km, NW)</li> <li>• St Katherine High School (0.6 km, S)</li> <li>• Sarala Birla Public School (1.3 km, NE)</li> <li>• Military Hospital (2.4 km, W)</li> <li>• Dwarika Hospital &amp; Research Centre (3.5 km, E)</li> </ul>

#### CO-ORDINATES

Coordinates	23.350893°N	85.402074°E
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## LAND DETAILS

Khata no.	Plot no.
58	1608
8	1823
66	1825

### Area Summary :

Land Area	19,476.76 sq.m
Width of Abutting Road	8.50 m (avg.)
Permissible Ground Coverage	50 % of the Plot Area = 9,738.38 sq.m
Permissible F.A.R.	2.5
Proposed Ground Coverage	5,753.47 sq.m (29.54% of Land Area)
Proposed F.A.R.	1.98
Proposed Total Built Up Area	43,807.44 sq.m
Proposed No. of Building	<b>7 (Residential = 6, Club &amp; Community = 1)</b>
Proposed Building Inventory	Block 1A (Residential) = G + 7 storied (24.0m from G.L.) Block 1B (Residential) = G + 7 storied (24.0m from G.L.) Block 2 (Residential) = G + 7 storied (24.0m from G.L.) Block 3 (Residential) = G + 8 storied (27.0m from G.L.) Block 4A (Residential) = G + 8 storied (27.0m from G.L.) Block 4B (Residential) = G + 8 storied (27.0m from G.L.) Club & Community Block = Ground storied
Proposed Nos. of Flat	344 Nos. (2BHK = 81 Nos, 3BHK = 263 Nos.)
Proposed Nos. of Car Parking	353 Nos. (Covered = 158 nos., Open = 195 nos.)

### Proposed Landuse Distribution:

Development Component	Area & Percentage	
	Area (sq.m)	% of Land Area
Ground Coverage	5,753.47	29.54
Services & Utilities*	754.69	3.87
Internal Road Area (Paved)	3,874.87	19.89
Semi-paved surface incl. open car parking	3,848.66	19.76
Landscape Green Area	4,040.60	20.75
Swimming Pool	264.54	1.36
Soft Area	674.90	3.47
Area for Road Widening	265.03	1.36
<b>TOTAL</b>	<b>19,476.76</b>	<b>100.00</b>

## STATUTORY CLEARANCES

1	DFO Forest Distance	:	DFO, Ranchi Forest Division vide letter no. 515, dated 09.02.2021 certified that the distance of reserved / protected forest is more than 250 m from proposed project site.
2	DFO Wild Life	:	DFO, Wildlife Ranchi Division vide letter no. 92, dated 10.02.2022 certified that the National Park & Sanctuary is not within 10 km from project site and proposed project is not situated in any ESZ.
3	CO certificate	:	The CO, Namkum, Ranchi vide letter no. 862, dated 11.08.2021 has mentioned the plot no. of the project is not recorded as "Jangle Jhari" in R.S. Khatyan.
4	AAI NOC	:	Airports Authority of India issued NOC vide NOC ID RANC/EAST/B/111520/ 510320 date 27.11.2020.
5	Fire Department	:	A Certificate from Fire Department, Ranchi, Govt. of Jharkhand vide memo no. 91/Tech/2021 dated 07.01.2021

## Water and waste water Requirement Details

Category	Population/Area (sq m)/Capacity	Standard (LPCD)	Water Requirement-KLD	Fresh Water Requirement-KLD	Recycled Water requirement-KLD
Domestic					
Residents	1983	50	100	70	30
Staff	30	45	1.35	0.85	0.5
Visitors	198	30	2.97	1.97	1.0
Total Domestic Water Demand			104	73	31
Landscape	4040.6 sq m	5 l/day	20.2	0	20.2
DG cooling	2*320 KVA	0.9l/KVA/day	5	0	5
Total		-	129	73	56

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Category	Total Quantity (KLD)
Fresh water Req.	73
Flushing water Req.	31
Sewage generation (@80% of the fresh water consumption + 100% flushing water)	90
Capacity of STP	120
Recovered water from STP	81
1. Flushing	31
2. Landscaping	20.2
3. DG cooling	5
4. Car Washing/Road Washing/Sewer	24

### Solid Waste Requirement

S. No	Description	Occupancy/Area	kg/capita/day	Total Solid Waste Generation (kg/day)	To be Disposed (Kg/day)	Recyclable (kg/day)
1.	Residents	1983	0.3	594.9	415.9	179
2.	Staff	30	0.2	6.0	4.2	1.8
3.	Visitors	198	0.05	9.9	6.7	3.2
Total Waste Generated				610.8	426.8	184

### ENVIRONMENT MANAGEMENT

#### Green Belt Development

- Combination of local trees and shrubs are planned within the project site.
- Green area will be provided in 4040.60 m<sup>2</sup> (@20.75% of plot area) which will enhance the beauty of the site and help combat air and noise pollution.
- The plant species will be selected on the basis of Guidelines for Developing Green Belts, CPCB March 2000.

#### Solid Waste Management

##### ❖ Collection, Segregation and treatment of waste

- Door to door collection system will be provided for collection of domestic waste.
- Local vendors will be hired for waste collection, management and disposal.
- Separate colored bins for compostable (wet waste), recyclables and rejected waste will be provided to residents as well as in common and open areas.







d. Wet waste will be composted within the site in Organic Waste Converter

❖ **Disposal**

- a. Rejected fraction of the waste will be collected and disposed by local agencies on daily basis at the locations designated by Nagar Parishad. Recyclable waste and E-waste will be sold to authorized vendors.
- b. Used oil from DG sets will be sold to authorized vendors.

**Water Quality Management**

**During Construction Phase**

- The site drainage will be planned in such a way that there is no accumulation of water/wastewater within the project premises or in the vicinity of the site.
- Mobile toilets to be provided for construction Labourers.
- Generated waste water will be collected through tankers and dispose to septic tank for treatment.

**During Operation Phase**

- STP of capacity i.e. 120 KLD is proposed for treatment of wastewater.
- Treated waste water would be reused for Flushing, landscaping and road washing
- Use of water efficient plumbing fixtures to conserve water.
- Approx. 73 KLD of fresh water is required during operational phase of the project.

**Air Quality Management**

- Warehouse/stock yard will be provided for storage of construction material
- Covering of stored construction materials with tarpaulin covers which will be resold to authorized construction material handling agency for reuse.
- Covering of trucks carrying construction materials.
- Dust suppression by water sprinkling.
- Adequate maintenance of construction equipment & vehicles.
- Wheel wash facility at the entry/exit of the site to prevent dust emissions.
- Periodical Ambient Air Quality Monitoring.
- PUC Certified vehicles.
- Glow signs Speed Limits to 20 kmph to reduce emissions on site will be displayed at the important junctions.

**Energy conservation**

- solar street lights will be provided at site

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its meeting held during 18<sup>th</sup> – 27<sup>th</sup> February, 2022, the Committee recommends issuing of TORs for consideration of SEIAA

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for undertaking detailed EIA / EMP study and alongwith following specific condition as recommended by SEAC:

- i. **One month additional monitoring will be done during the month of March, 2022.**
- ii. **Excess water from the STP shall not be discharged out side of premises and appropriate utilization should be ensured.**

SEAC, Jharkhand has suggested the ToRs in its 93<sup>rd</sup> meeting dated 18<sup>th</sup>, 19<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup>, 24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup> February, 2022 and SEIAA, Jharkhand has approved the ToRs in its 94<sup>th</sup> meeting held on 13<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup> April, 2022.

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

**A. Standard Conditions :**

1. Examine baseline environmental quality along with projected incremental load due to the project.
2. 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.
3. 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.
4. Submit the details of the trees to be felled for the project.
5. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
6. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of E (P) Act.
7. Ground water classification as per the Central Ground Water Authority.
8. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
9. 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.
10. Examine soil characteristics and depth of ground water table for rainwater harvesting.
11. Examine details of solid waste generation treatment and its disposal.
12. 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.
13. 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.

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14. 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 analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
15. A detailed traffic and transportation study should be made for existing and projected gatherings in different time & period.
16. Examine the details of transport of materials for construction which should include source and availability.
17. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
18. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
19. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
20. The cost of the Project (capital cost and recurring cost) the damage cost of already opened land as well as the cost towards implementation of EMP should be clearly spelt out.
21. 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>.

**B. Specific Conditions :**

1. As per para 12(3) of SO – 804(E) dated 14.03.2017 of Ministry of Environment, Forest and Climate Change, Govt. of India, the State Govt. / SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986.
2. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the SEAC and finalized by the regulatory authority.
3. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
4. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
5. An assessment of the cumulative impact of all development and increased in habitation being carried out or proposed to be carried out by the project or other agencies in the core

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area, shall be made for traffic densities and parking capabilities in a 2 kms radius from the site. A detailed traffic management and a traffic decongestion plan drawn up through an organization of repute and specializing in Transport Planning shall be submitted with the EIA and the plan to be implemented to the satisfaction of all the concerned state departments and implementing agencies".

6. Management of solid waste and the Construction & Demolition waste for the project vis-a-vis the Solid Waste Management Rules, 2016 and the Construction & Demolition Rules, 2016.
7. Details of all construction input should be furnished for assessment of Ecological damage/Environmental damage.
8. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
9. Funds allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/ 2017-IA.III dated May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
10. 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/2021-22/2550/2021/96

Dated: 16/04/2022

Copy to:

1. Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand for information and necessary action.
2. Member Secretary, Jharkhand State Pollution Control Board, Ranchi for information and necessary action.
3. Member Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.

16/04/2022  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand