



State Level Environment Impact Assessment Authority (SEIAA)

Telangana State

Government of India

Ministry of Environment, Forests & Climate Change

A-3, Industrial Estate, Sanathnagar, Hyderabad - 500 018.

REGD.POST WITH ACK.DUE

Order No. SEIAA/TS/OL/WGL-18/2017- 1122

Dt:14.07.2017.

Sub: SEIAA, TS – "Kakatiya Mega Textile Park" of M/s. TSIIC, at Shayampet (V) of Geesugonda (M) and Chintalapalli (V) of Sangem (M), Warangal Rural District – Environmental Clearance - Issued - Reg.

I. This has reference to your application uploaded online on 06.01.2017 (proposal no. SIA/TG/NCP/18166/2017) received on 04.02.2017; EIA report uploaded online on 16.06.2017 (proposal no. SIA/TG/NCP/19624/2017) received on 20.06.2017; and subsequent lr.dt.06.07.2017 seeking Environmental Clearance for the proposed "**Kakatiya Mega Textile Park**" of M/s. TSIIC, at Shayampet (V) of Geesugonda (M) and Chintalapalli (V) of Sangem (M), Warangal Rural District. It was noted that the nearest human habitation viz., Shayampet (V) exists at a distance of 200m from the proposed site. It was also noted that nearest water body i.e., Gadepally Lake exists at a distance of 1.5 km from the proposed site. The Sub-Committee constituted by the SEAC reported that three secondary grade streams / Nalas are passing across the proposed Textile Park. It was reported that the aggregate power demand of the park (210 MW) will be met from TSNPDCL. The capital cost of the project is Rs. 371.95 Crores. The Area details of the Kakatiya Mega Textile Park are:

S.No	Acquired Land	Acres	%
1	Land for Industrial Purpose	741.0	62
2	Roads	179.3	15
3	Common Amenities	48.0	5
4	Common infrastructure	83.3	7
5	Green/Open space*	139.0	11
	Total	1190.60	100

* Total percentage of Greenbelt would be 33% (ie., 11% by the TSIIC & 23% by Individual Industries).

II. The proposed project consists of Ancillary units, Manufacturing units of Textile and Common facilities. The infrastructure proposed in the development, includes Common Infrastructure, Common facilities and Social Infrastructure. The **Common Infrastructure** consists of Asphalt Road Network with street light, Parking for passenger as well as commercial vehicles, Water supply system, Storm water drainage system, Sewage Treatment Plant, Effluent Treatment Plant with conveyance and disposal system & Telecommunications. The **Common Facilities** consists of Administrative Block including product display center, Skill development system, Convention and exhibition center, Yarn and other finished product warehouses, Market place for finished goods & Product display center & Testing laboratory. The **Social Infrastructure** consists of Workers hostel facility, Crèche, Medical facility, Commercial centers/recreational center etc., The details of manufacturing units proposed in the project are as following:

S.No	Activity	No. of Units	Production Capacity/day
1	Spinning	27	6.38 Lakh – Kgs
2	Weaving	28	10.68 Lakh - meters
3	Knitting	142	
4	Processing	21	
5	Apparel	112	0.52 Lakh bed sheets + 1.32 Lakh garments
	Total	330	

III. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application in its meetings held on 21.02.2017, 24.06.2017 & 07.07.2017. The public hearing was held on 23.05.2017 near Chintalpalli Railway Station, Chintalapalli (V), Sangem (M), Warangal Rural District. The Sub-Committee constituted by the SEAC inspected the site on 06.07.2017 and submitted the report. Based on the information furnished, presentation made by the proponent and the consultant M/s. Ramky Enviro Engineers Ltd., Hyderabad; Minutes of the public hearing; Report of Sub-committee; Undertaking dt.06.07.2017 submitted by the proponent that: ZLD concept will be adopted, no waste water will be discharged into water bodies (nalas) existing inside and also outside the project site, they will take all precautionary measures for protecting existing water bodies (nalas) in the site; Revised Layout Plan; Checklist dt.24.06.2017; the Committee considered the project proposal and recommended to the SEIAA for issue of EC. The State Level Environment Impact Assessment Authority (SEIAA) in its meeting held on 10.07.2017 examined the proposal and recommendations of SEAC for issue of Environmental Clearance. Accordingly, after discussions in the matter, **the SEIAA, Telangana hereby accords Environmental Clearance to the project** as mentioned at Para no. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

A. Specific Conditions:

i. Air pollution:

- i The emissions from the proposed 54 x 1 TPH Coal Fired Boilers shall be routed through appropriate Air Pollution Control equipment followed by stacks of height 30m each. The concentration of particulates in the emission shall not exceed 100 mg/Nm³. Sampling Port with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc, shall be provided to monitor stack emissions. Stacks of adequate height shall be provided for D.G. Sets 27 x 1000 kVA capacity proposed at Park Level, as per CPCB norms.
- ii As proposed, green belt in an area of 393 acres ie., 33% of total area (11% by TSIIC & 23% by Individual Industries) ie., green areas in industries 188 acres; along roads 45 acres; in common amenities 10 acres; common infrastructure 20 acres; along the boundary and open space 139 acres, shall be developed along the periphery of the project area, buffer area of Streams / Nalas and in the vacant places, etc., Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- iii Ambient air quality including ambient noise levels must not exceed the standards stipulated under Notification dt. 16.11.2009 issued by the MoEF&CC, GoI. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with TSPCB.
- iv The industries proposed in the Textile Park shall take adequate measures to avoid any odour nuisance in the surroundings.

b) Water Pollution:

- i The source of fresh water is SRSP Canal and Ground water. The details of water requirement and wastewater generation is as following:

Purpose	Water required (MLD)			Waste water generated (MLD)
	Fresh	Treated	Total	
Industrial use				
Textile processing (21 units)	2.6	18.0	20.6	14.4
Other units	6.7	--	6.7	4.6
Greenbelt, Fire water makeup, etc.,	2.1	1.8	3.9	--
Domestic use	3.0	5.8	8.8	8.0
Total	14.4	25.6	40.0	27.0

The domestic waste water (8.0 MLD) generated from the proposed Textile Park is proposed to be treated in a CSTP of capacity 15 MLD. The industrial effluent (27.0 MLD) generated from the proposed Textile Park is proposed to be treated in CETP of total capacity 20 MLD (5.0 MLD x 4 Units).

- ii Zero Liquid Discharge (ZLD) concept shall be adopted in the proposed project for treatment & reuse of effluent. Under any circumstances, no waste water shall be discharged into the streams passing in the proposed site and also water body outside the proposed project area.
- iii The proponent shall not undertake any developmental activities in the buffer area ie., 9m on either side of the Streams / Nalas passing in the proposed site and shall take all precautionary measures for protecting the Streams / Nalas.
- iv The proponent shall not undertake any developmental activities in the 9m buffer area, if the part of the proposed project site is located in the buffer area of water body located outside the proposed site.
- v The proponent shall not disturb the natural drainage pattern of the proposed site, under any circumstances.
- vi The proponent shall provide separate storm water drains. The proponent shall provide Rain water harvesting structures for Roof run-off and Surface run-off. The surface run-off shall be pre-treated to remove suspended matter, oil & grease, if any, before recharging.
- vi There shall be no recharge of Ground water by the Industrial Effluent.
- vi The proponent shall obtain all necessary permissions from the Competent Authorities for drawl of water from SRSP Canal and Ground water.

c) Solid Waste :

- i. The details of Wastes generated from the Textile Park are as following:

S.No.	Description	Quantity	Mode of Disposal
1.	Waste cloths, Yarn, etc.,	750 kg/day	Sent to TSDF / Sale to vendors
2.	Waste cotton	375 kg/day	
3.	Chemical waste	750 kg/day	Sent to TSDF
4.	Sludge from CETP	13.6 TPD	
5.	Waste oil	17.2 TPM	Sent to Recyclers authorized by TSPCB
6.	Used Batteries	344 No./Yr.	
7.	Sludge from CSTP	0.8 TPD	Used as manure for Greenbelt
8.	Waste from Canteen & Domestic waste	38 TPD	Disposed to local municipalities / compost pit / Bio-digester

- ii. Hazardous waste generated shall be disposed as per the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016. E-waste shall be disposed as per E-Waste (Management & Handling) Rules, 2016 and Used Batteries shall be disposed as per Batteries (Management & Handling) Rules, 2010.

B. General Conditions:

- i. **This order is valid for a period of 7 years.**
- ii. "Consent for Establishment" shall be obtained from Telangana State Pollution Control Board (TSPCB) under Air and Water Act. Further, the individual industries proposed in the Textile Park shall also obtain Consents from the TSPCB under Air and Water Acts before the start of any activity / construction work at site.

- iii. Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, crèche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- iv. No change in the scope of the project should be made without prior approval of the SEIAA, Telangana. No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA, TS/ MoEF&CC, GoI, New Delhi, as applicable.
- v. The proponent shall adopt Energy Conservation Measures like providing LED lights in the Streets and common areas of Textile Park, Solar Power, etc.,
- vi. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA; and CCF, Regional office of MoEF&CC, GoI, Chennai on 1st June and 1st December of each calendar year.
- vii. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, PM₁₀, PM_{2.5}, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- viii. Data on ambient air quality (RSPM, SPM, PM₁₀, PM_{2.5}, SO₂, NO_x) should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- ix. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- x. The proponent shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- xi. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xii. The funds earmarked for Environmental Protection measures i.e., Capital cost of Rs. 18.59 Crores (@ 5% of project cost) and Recurring cost of Rs. 1.86 Crores per annum (@ 10% of EMP capital cost) & also the funds earmarked for Corporate Social Responsibility (CSR) activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, Ministry and its Regional Office located at Chennai.
- xiii. Officials from the Regional Office of MoEF&CC, GoI, Chennai who would be monitoring the compliance of the stipulated conditions and implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MoEF&CC, GoI, Chennai.
- xiv. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- xv. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, Telangana. This order shall be displayed in the website of the project proponent.
- xvi. The proponent shall explicitly follow the suggestions and commitments made in the public hearing in protection of the environment.

- xvii Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xviii The company shall undertake eco-development measures including community welfare measures in the project area.
- xix. The proponent shall obtain all other mandatory clearances from respective departments.
- xx. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xxi. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxii The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-
MEMBER SECRETARY
SEIAA, T.S.

Sd/-
MEMBER
SEIAA, T.S.

Sd/-
CHAIRMAN,
SEIAA, T.S.

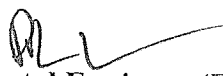
To

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Copy to:

1. Prof. Ch. Krishna Reddy, Chairman, SEAC, T.S. for kind information.
2. The Member Secretary, TSPCB for kind information.
3. The EE, RO: Warangal, TSPCB for information.
4. The Regional Officer, MoEF&CC, GOI, Chennai for kind information.
5. The Secretary, MoEF&CC, GOI, New Delhi for kind information.

//T.C.F.B.O//


Senior Environmental Engineer (FAC)
(Unit - III)

