



**File No: No.J-11011/574/2009-IA.II(I)-Industry 1**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**  
**\*\*\***



Date **30/09/2024**



To,

M/s. ITC LIMITED  
37, J. L. Nehru Road, Kolkata-700001 , BHADRADRI KOTHAGUDEM, TELANGANA, , 507128  
Email: prafulla.samantasingar@itc.in

**Subject: Proposed Mill Expansion Plan (MEP) to increase Paper/Board capacity by M/s ITC Limited, PSPD Unit Bhadrachalam, Telangana - Grant of Environmental Clearance-Regarding.**

**Sir/Madam,**

This is in reference to your application submitted to MoEF&CC vide proposal number IA/TG/IND1/444107/2023 dated 14/01/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

<b>(i) EC Identification No.</b>	EC23A2701TG5803301N
<b>(ii) File No.</b>	No.J-11011/574/2009-IA.II(I)-Industry 1
<b>(iii) Clearance Type</b>	Fresh EC
<b>(iv) Category</b>	A
<b>(v) Project/Activity Included Schedule No.</b>	5(i) Pulp & Paper Industry,1(d) Thermal Power Plants
<b>(vi) Sector</b>	Industrial Projects - 1
<b>(vii) Name of Project</b>	Proposed Mill Expansion Plan (MEP) to increase Paper/Board capacity at ITC Limited, PSPD Unit Bhadrachalam.
<b>(viii) Name of Company/Organization</b>	ITC LIMITED
<b>(ix) Location of Project (District, State)</b>	BHADRADRI KOTHAGUDEM, TELANGANA
<b>(x) Issuing Authority</b>	MoEF&CC
<b>(xi) Applicability of General Conditions as per EIA Notification, 2006</b>	No

3. The proposed project activity is listed at 5(i) Pulp & paper industry excluding manufacturing of paper from waste and 1(d) Thermal Power Plants under Category "A" of the schedule of the EIA Notification, 2006 being appraised at Central Level.

4. The instant proposal was initially considered in 53rd meeting of the EAC for Industry-I sector held on 12th–14th February, 2024, the Committee recommended to defer the proposed project and recommended for site visit of the proposed project area by a sub-committee. The site visit was undertaken by a sub-committee of EAC Industry-1 members during 6th and 7th March 2024. The PP has submitted the ADS reply vide letter dated 22nd July 2024 uploaded on PARIVESH, based on the reply the proposal was further considered in the 64th EAC Meeting held during 21st – 23rd August, 2024. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.

6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.

7. The EAC, in its 64th EAC Meeting held during 21st – 23rd August, 2024, inter-alia, deliberated the following:

i. The instant proposal is for Installation of New Board Machine (PM#8) of capacity 2,75,000 TPA and rebuilding existing paper/board machines capacity by 50,000 TPA to increase overall mill's paper & paper board production capacity from 8,00,000 TPA to 11,25,000 TPA along with increasing chemical pulp production from 4,00,000 BD TPA to 4,70,000 BD TPA, Bleached Chemi Thermo Mechanical Pulp (BCTMP) capacity from 1,20,000 AD TPA to 3,00,000 AD TPA (Installation of a new 1,60,000 AD TPA BCTMP plant and rebuild of existing BCTMP capacity by 20,000 AD TPA) and Captive Power Plant (CPP) from 126 MW to 182 MW (New plant of 45 MW and 11 MW from the augmentation of existing power plant) along with auxiliaries in the existing area of 596 acres.

ii. The existing project was established in 1996. The project proponent has obtained latest EC from MoEF&CC under para 7(ii) of EIA Notification, 2006 vide Ir.no. F.No. J-11011/574/2009-IA.II(I) dated 6th September 2019 for Recovery Plant Modernization Project (RPMP) of Existing Paper/Board Manufacturing Plant at ITC Limited, PSPD, Unit Bhadrachalam by replacing existing Recovery Boilers with one new Energy Efficient Recovery Boiler (EERB) and enhancing the in house Pulp Production and Captive Power Plant capacity without increasing the total Paper/Board Production Capacity. Consent to Operate for the existing unit was accorded by Telangana State Pollution Control Board Consent Order No. 220523706525 dated 25.04.2022. The validity of CTO is up to 30th November 2025.

iii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

iv. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

v. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

vi. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.

vii. The EAC also deliberated on the observations and recommendations of the sub-committee based on its site visit and have drawn its recommendations accordingly.

viii. Total project area is 241.193 ha [Private land]. The total land is under the possession of the company and converted for industrial use. The expansion will take place within the existing land.

ix. There are sensitive areas reported within the study area of the project site. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.

x. As reported, River Godavari is at a distance of 2 km in East and Krishnasagaram Cheruvu at 2.5 km in West of the project site along with other water bodies within the study area of the project site. The EAC opined that a robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xi. The PP has reported that Kinnerasani Wildlife Sanctuary Eco sensitive zone (Notified in the year 2017) is located at distance of 3.47 km from the project site. PP has further reported that ITC PSPD has taken up a collaborative project with Telangana Forest Department and has created a "Sarapaka Biodiversity Conservation and Development" plot in ~440ha of Kistasagar RF adjacent to the facility by adopting a comprehensive approach to protect and preserve the natural ecosystem including flora and fauna through accelerated natural regeneration process. Approximately Rs.1.2 Cr has been spent on the project in last 3 years and activities include soil and moisture conservation, plantation of natural species, natural regeneration through existing root stock, community awareness and involvement etc. The EAC opined that PP shall obtain the NBWL approval if applicable and also prepare and implement the protective measures to minimise the impact of project activities on the Wildlife Sanctuary.

xii. The water requirement for the proposed project is estimated as 108500 m<sup>3</sup> /day, out of which 85000 m<sup>3</sup>/day of fresh water requirement will be obtained from the river Godavari and the remaining requirement of 23,500m<sup>3</sup> /day will be met from internal recycle & treated water recycle. The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permission from the Competent Authority in this regard.

xiii. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and found it satisfactory.

xiv. The Committee also deliberated on the public hearing issues along with action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xv. There are 3 schedule-1 species found during base line study as per revised Wildlife Protection Act, 2022. These are Brahminy Kite, Russel Viper and Indian wild Boar. Wildlife Conservation Plan was prepared and submitted to The Chief wildlife warden Telangana vide letter dated 15th February 2024. Wildlife Conservation Plan entails a budget of Rs.250 lacs/annum for a period of 2024-29 along with formation of an implementation committee and monitoring & review mechanism. The EAC opined that PP shall strictly comply with the recommendations of the Conservation plan as per the directions of State Forest Department.

xvi. The PP has submitted that the existing green belt has been developed in 82.55 ha area which is about 34% of the total project area of 241.93 ha with total sapling of 1,47,400 Trees. Proposed greenbelt will be developed in 2.02343 ha which is about 0.84% of the total project area. Thus, total of 84.57 ha area (35% of total project area) will be developed as greenbelt. Total no. of 60,000 saplings will be planted to improve the green cover. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that greenbelt shall be developed in a period of 1 year.

xvii. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xviii. The Committee deliberated on the certified compliance report along with ATR and found it satisfactory.

xix. The EAC also deliberated on the ADS reply of the project proponent and found it satisfactory.

xx. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The

Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

xxi. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

xxii. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-1 Sector), in its 64th EAC Meeting held during 21st – 23rd August, 2024, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general EC conditions as detailed in the point below.

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s. ITC Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions (**Annexure-I**)

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

12. 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.

13. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

14. This issues with approval of the competent authority.

(Dinesh Runiwal)  
Scientist 'F'/Director  
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**Copy To**

1. Secretary, Department of Environment, Government of Telangana, Hyderabad.

2. Secretary, Department of Forests, Government of Telangana, Hyderabad.
3. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, 3rd Floor, Room No. 309, Aranya Bhawan, Opp. RBI, Safiabab, Hyderabad – 500004,
4. Chief Wildlife Warden, Govt. of Telangana Telangana Forest Department, Aranya Bhavan, Saifabad, Hyderabad - 500004
5. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
6. Chairman, Telangana State Pollution Control Board, NH65, MRF Colony, RC Reddy Colony, Ramachandra Puram, Hyderabad – 502032.
7. Member Secretary, Central Ground Water Authority, A2, W- 3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
8. District Collector, Bhadradi Kothagudem District, Government of Telangana.

(Dinesh Runiwal)  
Scientist 'F'/Director

### Annexure 1

#### Specific EC Conditions for (Pulp & Paper Industry)

#### 1. Specific

S. No	EC Conditions
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
1.3	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.4	There are sensitive areas reported within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme. PP shall prioritize the socio-environmental development of Sarapaka village (town) as a key focus area. The activities must be concentrated on uplifting Sarapaka, given the plant's proximity to the village.
1.5	As reported, River Godavari is at a distance of 2 km in East and Krishnasagaram Cheruvu at 2.5 km in West of the project site along with other water bodies within the study area of the project site. A

S. No	EC Conditions
	robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.6	PP shall conduct periodic water quality monitoring along the longitudinal gradient of the Godavari River to optimize the ecological function and ecosystem services of the discharge point/area.
1.7	PP shall protect, maintain, and conserve the large water body north of the plant, enhancing its ecological resilience. An action plan for these efforts, including potential lakefront development, must be implemented.
1.8	Kinnerasani Wildlife Sanctuary Eco sensitive zone (Notified in the year 2017) is located at distance of 3.47 km from the project site. PP shall obtain the NBWL approval, if applicable, and also prepare and implement the protective measures to minimise the impact of project activities on the Wildlife Sanctuary.
1.9	Total water requirement of 108500 m <sup>3</sup> /day shall be obtained from the river Godavari (85000 m <sup>3</sup> /day) and internal recycle & treated water recycle (23,500 m <sup>3</sup> /day). PP shall obtain necessary permission from the Competent Authority in this regard.
1.10	Three tier Green Belt shall be developed in atleast 33% of the project area in a period of 1 year, of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.11	The PP is advised to undertake plantation in the earmarked 33% greenbelt area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at ( <a href="https://merilife.nic.in">https://merilife.nic.in</a> )
1.12	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 70.5 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
1.13	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village.
1.14	PP shall carry out periodic monitoring of the water quality parameters in the nearby water bodies

S. No	EC Conditions
	and submit the report with half-yearly compliance report to IRO.
1.15	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
1.16	PP shall also prepare and implement a specific Risk assessment–mitigation plan for the specific length of NH-30 to minimise environmental impact caused by the total traffic load.
1.17	PP shall explore the feasibility of using electric/battery-operated vehicles for the transportation of material to and from plants and stockyards.
1.18	PP shall explore translocating the 275 trees by assessing the health of the tree in consultation with local DFO to other places instead of felling and to this effect the PP shall record the GPS locations of the felled trees and the translocated trees.
1.19	PP shall formulate and implement a flood risk assessment and mitigation plan concerning the Plant and its leasehold area for a worst-case scenario.
1.20	PP shall exercise benefit analysis of supplying treated ETP water to the nearby paddy fields, i.e. yield, rate of return, quality of produce etc. PP shall further perform routine soil testing and bio-mass testing from the irrigated farms for any leaching or assimilation of adverse elements.
1.21	PP shall implement measures to safely manage wood chip dumps to prevent fire, collapse, or exposure to hazardous conditions. A comprehensive contingency plan addressing these risks must be prepared and implemented.

**Standard EC Conditions for (Pulp & Paper Industry)**

**1. Statutory Compliance**

S. No	EC Conditions
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable

S. No	EC Conditions
	to this project.

## 2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area, covering upwind and downwind directions.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

S. No	EC Conditions
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm <sup>3</sup> and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.

### 3. Air Quality Monitoring And Preservation In Case Of Paper And Pulp

S. No	EC Conditions
3.1	The project proponent shall install high volume, low concentration NCG collection & destruction system to mitigate all malodorous gases emitted.
3.2	Emissions shall be controlled from chemical recovery section through primary and secondary venturi scrubbers.
3.3	Pollution control system in the pulp and paper plant shall be provided as per the CREP Guidelines of CPCB.
3.4	The company shall install Oxygen Delignification (ODL) Plant and shall maintain AOX below 1 kg/tonne of paper production
3.5	Elemental Chlorine Free (ECF) technology shall be used and lime kiln shall be installed to manage lime sludge.
3.6	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
3.7	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m <sup>3</sup> , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

#### 4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	The proposed project, including its individual units, be implemented as Zero Liquid Discharge Plant to the extent possible. The PP shall implement the commitments made in response to the EAC Sub-Committee recommendations for progressive reduction of effluent discharge. ETP shall be installed and there discharge of effluent from the plant shall be regulated through Consent from SPCB. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

#### 5. Water Quality Monitoring And Preservation In Case Of Paper And Pulp

S. No	EC Conditions
5.1	Ensure that there is no black liquor spillage in the area of pulp mill, no use of elemental chlorine for bleaching in mill, installation of hypo preparation plant.
5.2	Ensure that no spillage of foam in chemical recovery plant, no discharge of foul condensate generated from MEE in the Chemical recovery process directly to ETP
5.3	Air Cooled condensers shall be used in the captive power plant.

#### 6. Noise Monitoring And Prevention

S. No	EC Conditions
6.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
6.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
6.3	PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

## 7. Energy Conservation Measures

S. No	EC Conditions
7.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
7.2	Provide LED lights in their offices and residential areas.

## 8. Waste Management

S. No	EC Conditions
8.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
8.2	Kitchen waste shall be composted or converted to biogas for further use.
8.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
8.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <a href="https://cpcb.nic.in/technical-guidelines-3/">https://cpcb.nic.in/technical-guidelines-3/</a> . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
8.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

## 9. Green Belt

S. No	EC Conditions
9.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
9.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
9.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

### 10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
10.3	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
10.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

### 11. Environment Management

S. No	EC Conditions
11.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
11.2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

S. No	EC Conditions
11.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
11.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

## 12. Miscellaneous

S. No	EC Conditions
12.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
12.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
12.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
12.4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
12.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
12.6	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
12.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
12.8	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
12.9	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

S. No	EC Conditions
12.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
12.11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
12.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
12.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
12.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Additional EC Conditions**

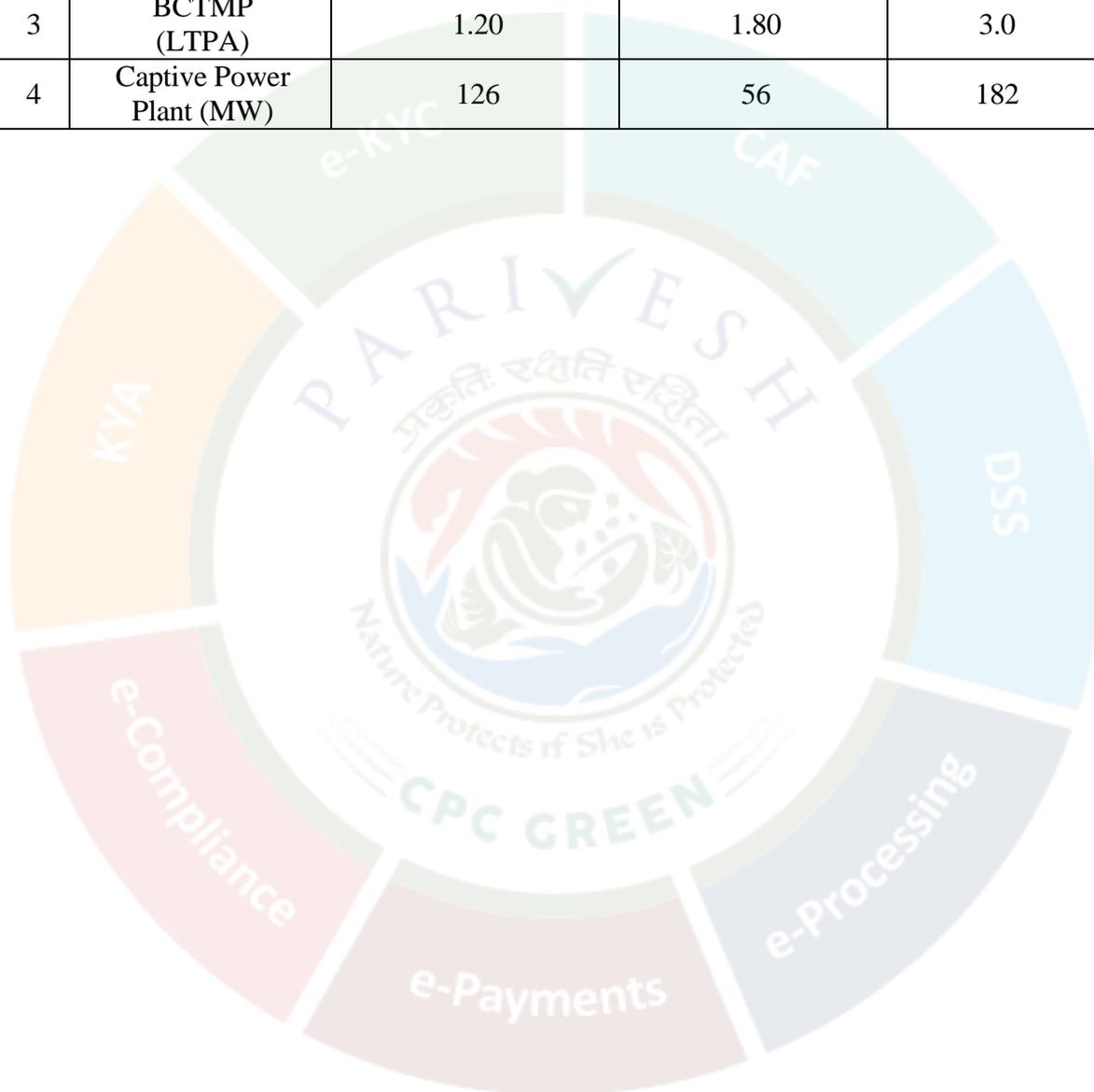
NA

S.No	Particulars	Details									
a.	Terms of Reference for undertaking EIA study	27.08.2022									
b.	Period of baseline data collection	1 <sup>st</sup> October 2022 to 31 <sup>st</sup> January 2023									
c.	Date of Public Consultation	14.07.2023									
d.	Action plan to address the PH issues	Public Hearing and need based activities detail proposed are attached as <b>Annexure IV</b> .									
e.	Location of the project	Located in Sarapaka Village. Village, Burgampahad Mandal, Bhadradri Kothagudem District, <b>Telangana</b>									
f.	Total land	241.193 ha [Private]									
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	No Land acquisition is involved as the present proposal is within 241.193 ha (596 acres )of land only									
h.	Existence of habitation & involvement of R&R, if any	<p><b>Project site:</b> Sarapaka Village  <b>Study Area:</b></p> <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Sarapaka</td> <td>2.7 km</td> <td>SE</td> </tr> <tr> <td>Bhadrachalam</td> <td>5km</td> <td>SE</td> </tr> </tbody> </table>	Habitation	Distance	Direction	Sarapaka	2.7 km	SE	Bhadrachalam	5km	SE
Habitation	Distance	Direction									
Sarapaka	2.7 km	SE									
Bhadrachalam	5km	SE									
i.	Elevation of the project site	68 M above mean sea level									
j.	Involvement of Forest land if any.	No involvement of forest land									
k.	Water body exists within the project site as well as study area	<p><b>Project site:</b> Name: Nil  <b>Study area</b></p> <table border="1"> <thead> <tr> <th>Water body</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>River Godavari</td> <td>2 km</td> <td>E</td> </tr> <tr> <td>Krishnasagaram Cheruvu</td> <td>2.5 km</td> <td>W</td> </tr> </tbody> </table>	Water body	Distance	Direction	River Godavari	2 km	E	Krishnasagaram Cheruvu	2.5 km	W
Water body	Distance	Direction									
River Godavari	2 km	E									
Krishnasagaram Cheruvu	2.5 km	W									
l.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve /	<p><b>Study area</b>  <b>Name of the ESZ/ESA:</b> Kinnerasani Wildlife Sanctuary Eco sensitive zone (Notified in the year 2017) is located at distance of 3.47 km from the project site, Distance certificate has been obtained from the forest divisional officer.  <b>Status of Notification:</b> Notified in the year 2017  <b>Distance of project from ESZ/ESA:</b> 3.47 km  <b>Authenticated map of ESZ projecting distance of ESZ</b></p>									

S.No	Particulars	Details						
	elephant reserve etc. if any within the study area	<p><b>from project site:</b> Distance certificate map has been obtained from the forest divisional officer.</p> <p><b>Status of NBWL approval:</b> Not Applicable</p> <p><b>List of Reserved and protected forests:</b></p> <ul style="list-style-type: none"> <li>• Burgampahad RF</li> <li>• Palvoncha RF (6.6 km, SW)</li> <li>• Bhadrachalam RF (6.7 km, E)</li> <li>• Suddagudem (7.9 km, SSW)</li> <li>• RF near Morampalle Banjar (8.2 km, S)</li> <li>• RF near Anandapuram (9.2 km, N)</li> <li>• Uppasagu RF (9.6 km, SW)</li> <li>• RF near Nagaram tande (9.6 km, SSW)</li> <li>• Arlagudem RF (9.7, NE)</li> <li>• Timmampenta RF (9.8 km, SE)</li> </ul>						
m.	Project cost	The capital cost of the proposed project is Rs. 2800 Crores						
n.	EMP cost	<table border="1"> <thead> <tr> <th>EMP</th> <th>Capital (Rs. in Crores)</th> <th>Recurring (Rs. in Crores)</th> </tr> </thead> <tbody> <tr> <td></td> <td>200.Crores</td> <td>20.47 Crores</td> </tr> </tbody> </table>	EMP	Capital (Rs. in Crores)	Recurring (Rs. in Crores)		200.Crores	20.47 Crores
EMP	Capital (Rs. in Crores)	Recurring (Rs. in Crores)						
	200.Crores	20.47 Crores						
o.	Employment opportunity	The employment generation from the proposed project / expansion is 550 persons (direct employment) & 1000 persons (Indirect Employment)						
p.	Water and Power requirement	Total water requirement will be 108500 m <sup>3</sup> /day. Power – Total power requirement for the proposed project will be around 160.5 MW.						
q.	CPA/SPA	The plant site is not located in CPA/SPA						

The unit configuration and capacity of existing and proposed project is given as below

S. No.	Plant Equipment/ Facility	Existing facilities as per EC dated 6 <sup>th</sup> September 2019	Proposed Units	Total (Existing + Proposed)
1.	Paper & Board (LTPA)	8.0	3.25	11.25
2	Chemical Wood Pulp Mill (LTPA)	4.0	0.70	4.70
3	BCTMP (LTPA)	1.20	1.80	3.0
4	Captive Power Plant (MW)	126	56	182



## Action plan as per MoEF&amp;CC O.M. dated 30/09/2020:

S.No	Physical activity and action plan		Year of implementation (Budget Rs.Cr)					Total Expenditure (Rs. Crores)
	Name of the Activity	Physical Targets	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
1	Agro plantations, Watershed development and sustainable farming, Community plantation, and sustainable development, Biodiversity, soil conservation, ecological conservation	Soil testing, contemporary package of practices, supply of plants, restoration of ponds and lakes, watersheds, soil conservation, forest conservation	6.3	6.3	6.3	6.3	6.3	31.5
2	Education, and skill development programs (including tribal welfare)	Distribution of notebooks to all Govt. schools in the Mandal, school/anganwadi infrastructure, vocational training. Support for Hard Core Tribal Women for self-entrepreneurship	2.8	2.8	2.8	2.8	2.8	14
3	Healthcare, medical amenities, sanitation, hygiene and Swachh Bharat	Safe Drinking water infrastructure, waste segregation and management, public washroom facilities, health camps	1.2	1.2	1.2	1.2	1.2	6
4	Village social infrastructure development (schools, roads, and	Irrigation pipelines, rural infrastructure, solar power infrastructure,	3.3	3.3	3.3	3.3	3.3	16.5

S.No	Physical activity and action plan		Year of implementation (Budget Rs.Cr)					Total Expenditure (Rs. Crores)
	Name of the Activity	Physical Targets	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
	sanitation etc.)	waste recycling, social community centers upliftment						
5	Biodiversity Conservation & protection	Biodiversity monitoring programmes, Awareness programmes, Assistance to local forest department	0.5	0.5	0.5	0.5	0.5	2.5
<b>Total</b>								<b>70.5</b>

