



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Chief Engineer/Civil/Hydel,GS,C&I
Andhra Pradesh Power Generation Corporation Limited
Vidyut Soudha, Gunadala, Vijayawada 520004, Vidyut Soudha, Gunadala,
Vijayawada 520004, Medchal, Arunachal Pradesh-520004

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the Ministry vide proposal number
IA/AP/RIV/417724/2023 dated 10 Feb 2023. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC23A003AP195091 |
| 2. File No. | J-12011/15/2020- IA.I (R) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including
Schedule No. | 1(c) River Valley projects |
| 6. Name of Project | Completion Of Balance Works of Two
Units (2x115 Mw) At Lower Sileru Hydro
Power House And Improvement of Power
Canal Works at Mothugudem(v),
Chintoor(m) Of Alluri Sita Rama Raju
District, Andhra Pradesh |
| 7. Name of Company/Organization | Andhra Pradesh Power Generation
Corporation Limited |
| 8. Location of Project | Andhra Pradesh |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 24/04/2023

(e-signed)
Yogendra Pal Singh
Scientist E
IA - (River Valley and Hydroelectric
Projects sector)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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F. No. J-12011/15/2020- IA.I (R)
Government of India
Ministry of Environment, Forest & Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
2nd Floor, Vayu Wing
Aliganj, Jor Bagh Road
New Delhi – 110 003

Dated: 24th April, 2023

To,

**M/s Andhra Pradesh Power
Generation Corporation (APGENCO)**
Vidyut Soudha, District NTR,
Hyderabad – 500 082

Sub: Expansion of Hydro Power Project from capacity 4X115 MW to 6X115 MW by adding two units of capacity 2X115 MW at Lower Sileru Hydro Power House and improvement of power canal works at Mothugudem, Chintoor (Mandal), District Alluri Sitarama Raju (Andhra Pradesh) by M/s Andhra Pradesh Power Generation Corporation (APGENCO) - Environmental Clearance - reg.

Sir,

This has reference to your online proposal No. IA/AP/RIV/417724/2023 dated 10.02.2023 submitted to the Ministry for Environmental Clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of Hydro Power Project from capacity 4X115 MW to 6X115 MW by adding two units of capacity 2X115 MW at Lower Sileru Hydro Power House and improvement of power canal works at Mothugudem, Chintoor (Mandal), District Alluri Sitarama Raju (Andhra Pradesh) by M/s Andhra Pradesh Power Generation Corporation (APGENCO).

3. The project envisages installation of 6 units of 115 MW each out of which 4 units are already installed and commissioned 45 years ago. Works for other two units were completed partially i.e. draft tubes are erected and concreting done up to EL 70 m. Lower Sileru hydropower project was envisaged to utilize the potential energy due to drop in the water level between Donkarayi and Polluru; which is 193.6 m and the quantum of available water is 13.25 TMC. Following are the major project components of existing project:

- (i) Donkarayi dam, a masonry dam of 71.32 m height with FRL at +316.08 m, and an earthen dam of 37.2 m high on the left bank with intake regulator
- (ii) A 15.60 km long power canal up to Forebay earth dam with discharge capacity of 123.1 cumec.
- (iii) A Forebay earthen dam of 67.06 m high with FRL at + 283.46 m.
- (iv) Head race tunnel of 3.23 km long; horse shoe shaped with discharge capacity of 430.75 cumec for six units;
- (v) A surge shaft of 24.4 m dia to take care of instantaneous surge of water. Steel penstocks of 5.5 m dia (2 existing + 1 proposed).

- (vi) A surface power house of size 144 m x 25 m for Six units of 115 MW each.
- (vii) A 585 m long tail race channel to let in the water from the machines to the river.
- (viii) Four Units of 115 MW each are already commissioned

4. The details of balance work of the project is as under: -

- i. Installation of 2 units of 115 MW each in the existing power house out of which the following items are already completed.
- ii. Draft tubes with gates are erected for these two units.
- iii. Concreting completed up to EL 70M for these two units Installation of a penstock (1 No.).
- iv. Both underground and Surface excavation already completed for this penstock.

5. There is no requirement of land acquisition for construction of various components, including infrastructure facilities as except for installation of two units of 115 MW each and a penstock, all other required infrastructure is already existing. Project site is not in proximity to any protected area (National Park, Wildlife Sanctuary or Conservation Reserve) as declared under Wildlife Protection Act, 1972. The costs involved for implementation of Environmental Management Plan will be about Rs. 1111.50 lakh and project cost is Rs. 57963 Lakhs.

6. The project/activity is covered under category A of item 1 (c) 'River Valley projects' of the Schedule to the Environmental Impact Assessment Notification, 2006 and requires appraisal at Central level by the sectoral EAC in the Ministry.

7. The terms of reference for the project was granted by the Ministry on 14th January, 2021 in favour of M/s Andhra Pradesh Power Generation Corporation (APGENCO). The Public Hearing was conducted by State Pollution Control Board (SPCB) on 27.7.2022 at at Mothugudem, Alluri Sita Rama Raju District, Andhra Pradesh (near project site).

8. The Salient features of the proposed is as under: -

Project details:

Name of the Proposal	Completion of balance works of two units (2x115MW) at Lower Sileru Hydro Power House and improvement of power canal works.
Proposal No.	IA/AP/RIV/405141/2022
Location (Including Coordinates)	Polluru, Mothugudem, Chintoor (Mandal), District: Alluri Sitarama Raju, State: Andhra Pradesh 17°56'02" N, 81°47'46"E
Company's Name	Andhra Pradesh Power Generation Corporation (APGENCO)
CIN no. of Company/user	U40109AP1998SGC109187
Accredited Consultant and certificate no.	R S Envirolink Technologies Pvt. Ltd. Certificate No.: NABET/EIA/1922/SA 0144

(Handwritten signature)

Project location (Coordinates/River/Re	Near Village: Polluru, Sileru River a tributary of Sabari River
Inter- state issue involved	No
Proposed on River/Reservoir	Sileru River a tributary of Sabari River
Type of Hydro-electric project	EXPANSION (IMPOUNDMENT)
Seismic zone	Zone - II

Category details:

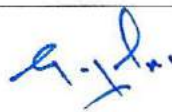
Category of the project	A
Capacity / Cultural command	2X115 MW (Hydro Power Generation)
Attracts the General Conditions(Yes/No)	No

EC Details:

ToR Proposal No.	IA/AP/RIV/183996/2020
EAC meeting date	02.12.2020
ToR Letter No.	F. No. J-12011/15/2020-IA.I
ToR grant Date	14.01.2021
Cost of project	579.63 Cr.
Total area of Project	nil
Height of Dam from River Bed (EL)	No new dam is proposed to be constructed
Details of submergence area	NA
District to provide irrigation facility(if applicable)	NA
Details of tunnels on upper level& lower level and length of canal (if applicable)	NA
No. of affected Village	0
No. of Affected Families	0
Project Benefits	The estimated design energy for the additional two units of the plant is 525 MU. Cost of generation per unit for first year shall be Rs 3.82 which shall come down to Rs 1.48 by fourth year of operation. Social: <ul style="list-style-type: none"> • Job Opportunities • Business Development • Infrastructure Development

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R&R details	<p>The present proposal is only to complete balance work by setting up two additional units of 115 MW each by utilizing the existing infrastructure of Lower Sileru hydropower project, where four units of 115 MW each are under operation. Infrastructure required to operate all six units was put in place at that time which includes Donkarayi dam, power canal, forebay dam, surge shaft, Penstocks (2 nos) powerhouse and tail race channel. However, only four units were installed that time due to some constraints.</p> <p>There is no requirement of land acquisition for construction of various components, including infrastructure facilities as except for installation of two units of 115 MW each and a penstock, all other required infrastructure is already existing.</p> <p>Hence, requirement of preparation of Resettlement & Rehabilitation Plan is not envisaged in the present case.</p>
Catchment area/ Command area	Catchment Area of existing Donkarayi dam: 4908 km ²
Types of Waste and quantity of generation during construction/	Municipal Solid Waste- Bio degradable (127Tons), Non degradable (45 Tons)
Material used for blasting and its composition as per DGMS	No blasting activity proposed.
<p>Is Projects earlier studied in Cumulative Impact assessment & Carrying Capacity studies (CIA&CC) for River in which project located. If yes, then</p> <p>a) E-flow with TOR/ Recommendation by EAC as per CIA& CC study of River Basin.</p>	<p>Average Inflows in to the Donkarayi Reservoir is about 88.02 Cumecs and average D/s releases is about 50.71 Cumecs. It is inferred that there would be adequate releases available in the river even after utilizing water for proposed additional two units of 115 MW each therefore no additional e flow release has been proposed.</p>
Details on provision of fish pass	NA
Project benefits including employment details(no of employee)	300



Area of Compensatory Afforestation (CA)with tentative no of plantation.	Since, there is no requirement of any forest land diversion for construction of various components, including infrastructure facilities as except for installation of two units of 115 MW each and a penstock, all other required infrastructure is already existing. Hence, requirement of preparation of Compensatory Afforestation is not applicable in the present case.
Previous EC details	NA
EC Compliance Report by	NA

Electricity generation capacity:

Powerhouse Installed Capacity	4X115 MW (Existing), 2X115
Generation of Electricity Annually	525 MU (proposed)
No. of Units	2X115 MW (proposed)

Muck Management Details:

No. of proposed disposal area/(type of land- Forest/Pvt. land)	As the entire power house as well as penstock alignment was excavated earlier and thus there is no scope of muck generation during the installation of 2
Cross section of proposed muck area, Height of muck with slope.	NA
Distance of muck disposal area(location), from muck generation sources(project area)/River, HFL of	NA
Total Muck Disposal Area	NA
Estimate Muck to be generated	NA
Transportation	NA
Monitoring mechanism for Muck Disposal Transportation	NA

Land Area Breakup:

Private land	0
Forest Land	0
Submergence area/Reservoir area	0
Land required for project components	There is no requirement of land acquisition for construction of various components, including infrastructure facilities as except for installation of two units of 115 MW each and a penstock,



Presence of Environmentally Sensitive areas in the study area

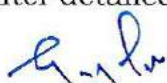
Forest Land/ Protected Area/Environmental	Yes/No	Details of Certificate /letter/ Remarks
Reserve Forest/Protected Forest Land	No	Nearest protected area is Papikonda National Park which is more than 20 km away from project site
National Park	No	
Wildlife Sanctuary	No	
Archaeological sites monuments/historical temples	No	
Additional information(if any)	-	

Availability of Schedule-I species in study area: No

Public Hearing (PH) Details

Advertisement for PH with date	25.06.2022
Date of PH	27.07.2022
Venue	At premises of existing Lower Sileru HEP, Polluru village, Chintoor Mandal, Alluri Sitarama Raju district, Andhra
Chaired by	Project Officer, ITDA, Paderu & Additional District Magistrate, Alluri
Main issues raised during PH	<ul style="list-style-type: none"> • Medical health camps to be conducted and tests and medicines to be given free of cost • Employment for local people to be top priority • Drinking water facilities to be provided in every village • CC roads to be laid • Functional hall to be renovated and to be permitted free of cost to those who celebrate their functions in Mothugudem and Polluru villages • Street lights to be provided from Mothugudem to power house • Grant of contract works upto Rs 10 lakh to local people • APGENCO to allocate 15% CSR funds for development of
No. of people attended	148

9. The proposal was considered by the EAC in its 36th and 43rd meeting held on 15th November, 2022 and 7th March, 2023. The EAC observed that the EIA study carried out as per Standard TOR and is in compliance with additional conditions as specified in the TOR covering collection of baseline data for 3 seasons covered during 2020 and 2021. EIA report has been prepared in compliance with the TOR and Public Consultation process completed. The EAC after detailed deliberation on the information



submitted and as presented during the meeting *recommended* for grant of Environmental Clearance (EC) for Completion of Balance Works of Two Units (2x115 MW) at Lower Sileru Hydro Power House and Improvement of Power Canal Works at Mothugudem (v), Chintoor (m) of Alluri Sita Rama Raju District, Andhra Pradesh by M/s APGENCO under the provisions of EIA Notification, 2006, as amended subject to compliance of certain additional conditions.

10. The recommendation of the Expert Appraisal Committee has been examined in the Ministry. The 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.

11. Based on the proposal submitted by the project proponent and recommendations of the EAC (Thermal Power sector), Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project proposal for expansion of Hydro Power Project (from capacity 4X115 MW to 6X115 MW) by adding two units of capacity 2X115 MW at Lower Sileru Hydro Power House and improvement of power canal works at Mothugudem, Chintoor (Mandal), District Alluri Sitarama Raju (Andhra Pradesh) by M/s Andhra Pradesh Power Generation Corporation (APGENCO), under the provisions of the EIA Notification, 2006, as amended, subject to compliance of following specific environmental safeguards condition and applicable Standard EC conditions:

[A] Environmental Management and Biodiversity Conservation:

- i. Biodiversity Management Committee (BMC) shall be constituted for Monitoring and Evaluation of Biodiversity Conservation and Wildlife Management Plan as Implemented by Forest Department.
- ii. Create Environment Management Cell in the project consisting environmental officers having post graduate degree in environmental sciences/Environmental Engineering to monitor implementation of Environment Management Plan in the project.
- iii. EMP Budget shall be revised after proper estimation as per quantity of items required for implementation of EMP.

[B] Disaster Management

- iv. Necessary permission to be obtained for quarrying construction materials for the project as per the EIA Notification, 2006 and subsequent amendments thereof.

[C] Socio economic

- v. The existing Hospital being managed by the project authorities shall be upgraded to multispecialty hospital with 25 beds facilities with Male and Female doctors.
- vi. Construction of concrete roads in project affected villages as proposed be maintained throughout project life.
- vii. The budget for plantation and other EMP activities should be revised as per existing rate.
- viii. Local people shall be given top priority to employment and skilled training conducted if required.
- ix. R.O drinking water facilities provided to villagers @ 10 households/Tap water.

- x. Under CER activities, preference should be given to strengthen the basic amenities in the project affected villages like maintaining drinking water supply, providing health care facilities, etc.
- xi. Preference to be given to the local villagers as per the requirements and suitability, in the job/ other opportunities in the project, etc. Measures to be taken to develop skills of the local villagers particularly with respect to the trades related to construction works such as electrician, welder, fitter, etc.

D. Standard EC Conditions for River Valley and Hydro-electric projects

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ 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. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- v. NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.
- vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores.

II. Air quality monitoring and preservation

- i. Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.
- ii. 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 standards.
- iii. Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.

III. Water quality monitoring and preservation

- i. Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with natural drainage system.



- ii. Remodelling of existing natural drains (link drains) and connecting them with irrigated land through constructed field drains, collector drains, etc. are to be ensured on priority basis.
- iii. Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.
- iv. As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project
- v. Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet be submitted to the Regional Office, MoEF&CC and to the CWC on weekly basis.
- vi. Mixed irrigation shall be practised and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- vii. On Farm Development (OFD) works like landscaping, land levelling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report

IV. Noise monitoring and prevention

- i. All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.
- ii. 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

V. Catchment Area Treatment Plan

- i. Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.

VI. Waste management

- i. Muck disposal be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.
- ii. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

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VII. Green Belt, EMP Cost, Fisheries and Wildlife Management

- i. Based on the recommendation of Cumulative Impact Assessment and Carrying capacity study of river basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow.
- ii. Detailed information on species composition particular to fish species from previous study/literature be inventorized and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
- iii. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
- iv. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.
- v. Compensatory afforestation programme shall be implemented as per the plan approved.
- vi. Fish ladder/pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure its effectiveness.

VIII. Public hearing and Human health issues

- i. Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
- ii. Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
- iii. Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnatedpools to avoid creation of breeding grounds of the vector borne diseases
- iv. 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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.
- vi. Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
- vii. Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis

IX. Corporate Environment Responsibility

- i. Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation



- ii. The company shall have a well laid down environmental policy duly approved 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.
- iii. 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 report to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Post EIA and SIA report be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.
- vi. Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.
- vii. Formation of Water User Association/Co-operative be made involving the whole community be ensured for discipline use of available water for irrigation purposes.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by 5 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.
- ii. 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.
- iii. The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. 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.
- v. 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.
- vi. 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.
 - vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - viii. 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.
 - vii. 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).
 - viii. 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.
 - ix. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 - x. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 - xi. 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.
 - xii. 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.
 - xiii. 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

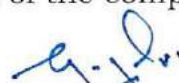
E. General Condition:

- (i) The EC granted to the project is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/ construe to approvals/ consent/ permissions, etc. required to be obtained under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project.
- (ii) The project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/Wildlife Department in a time bound manner.
- (iii) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this



Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- (iv) The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.
- (v) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- (vi) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (vii) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.
- (viii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- (ix) The company shall also 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.
- (x) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.
- (xi) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (xii) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (xiii) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
- (xiv) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (xv) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.



- (xvi) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (xvii) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- (xviii) The project authorities 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 and the date of start of the project.
- (xix) 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.

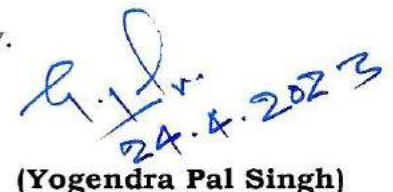
12. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above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

13. 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 Environment (Protection) Act, 1986.

14. 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.

15. 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

16. This issues with the approval of the competent authority.


24.4.2023

(Yogendra Pal Singh)
Scientist 'E'

Tele: 011-20819364

Email Id: yogendra78@nic.in

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi -110 001.
2. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of Andhra Pradesh, Hyderabad (Andhra Pradesh)
3. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore - 560 034 (Karnataka)
4. The Member Secretary, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
5. The Member Secretary, Andhra Pradesh State Pollution Control Board, D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada - 520 010
6. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003
7. The District Magistrate, District South East (New Delhi)
8. Guard File/Record File/Monitoring File/Website of MoEF&CC


24.4.2023
(Yogendra Pal Singh)
Scientist 'E'

Signature Not Verified

Digitally signed by Yogendra Pal Singh
Scientist E

Date: 4/24/2023 4:39:07 PM