



CONSENT TO ESTABLISHMENT (CTE) ORDER

Order No.670/APPCB/CTE/RO-VSP/HO/2026

Dt. 25-04-2026

Sub:APPCB – CTE- **M/s. Vizag Mega Data Center Park Limited Sy.Nos. 1, 35, 71, 72, 73-2, 74 & 75 of Tarluvada Village, Anandapuram Mandal, Visakhapatnam District-** Consent to Establishment (CTE) order of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 – Order issued - Reg.

- Ref:
1. EC order dt.18.04.2026 issued by SEIAA, A.P.
 2. Facility's CTE application received through A.P OCMMS on 20.04.2026.
 3. ZO: Visakhapatnam report dt.22.04.2026.
 4. CTE Committee meeting held on 24.04.2026.
 5. Project Proponent submitted information on 24.04.2026.

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1. **M/s. Vizag Mega Data Center Park Limited** vide ref 2nd cited, has submitted an application to the Board seeking Consent to Establishment order of the Board **for Development of Mega Data Centre Park and Technology / Business Park**, with project cost of Rs.26400Cr.

S.No.	Activity	Quantity
1.	Construction and Development of Integrated Data Centre Park (1000 MW) and Technology/Business Park in an area of 48.70 Ha (Phase-I) with a BUA of 148922.14 Sq.m	

As per EC Order dt.18.04.2026:

The project proponent proposes to develop a 1000 MW Data Centre Park in a total Plot area of 48.70 Ha (Phase-I) i.e., 487013.4 Sq.m (Plinth area for Building 135722.14 Sq.m, Greenbelt (Green Area + Peripheral Green strip) 69434.85 Sq.m, Roads 38353.85 Sq.m, Parking area 6400 Sq.m, Area for Soil Retention 88911.92 Sq.m, Rainwater storage Tank 6791.59 Sq.m, and Open Area 141399.05 Sq.m). Total built up area is 1,48,922.14 sq.mt. The proposed Built-up area details of the project are as follows:

S.No	Description	No. of Floors	Total Built-Up Area (Sq.m)
1	1gPOR	GF	34327.65
2	2gPOR	GF	34327.65
3	3gPOR	GF	34327.65
4	HUB - 1	GF	3376.19
5	EYD (Gcub)	GF	480.00
6	EYD (Gcub)	GF	480.00
7	EYD (Gcub)	GF	480.00
8	MYD (Gcub)	GF	10,700.00

9	MYD (Gcub)	GF	10,700.00
10	GIS Substation 220 KV	G+2	3000
11	GIS Substation 400 KV	G+2	5400
12	CRP Room (control relay panel)	G+2	1800
13	Fire tank X 3 No's	GF	480
14	Pump Room/UG Pump X 3 No's	GF	480
15	Waste Room X 3 No's	GF	858
16	Guard Room X 3 No's	GF	180
17	HSD Electrical room X 3 No's	GF	135
18	STP X 3 No's	GF	390
19	Waste Management Room (CS+HWR+SWR+BWR) X 3	GF	600
20	Parking Area	-	6400
	Total Built-up Area:		1,48,922.14 Sq.m

2. As per the application, the above activity is to be located at Sy.Nos. 1, 35, 71, 72, 73-2, 74 & 75 of Tarluvada Village, Anandapuram Mandal, Visakhapatnam District, in an area of 4,87,000 Sq.m or 48.70 Ha (Phase-I).

The industry was inspected by the JCEE, Zonal Office & the EE, Regional

3. Office, Visakhapatnam, A.P Pollution Control Board on 21.04.2026 and observed that the site is surrounded by

North : Open site followed Tarluvada Cricket Ground

South : Agricultural lands & Hillock

East : Cheruvu & Agricultural lands

West : Hillock

4. The Board, after careful scrutiny of the application, verification report of Zonal Office: Visakhapatnam and recommendations of the CTE Committee, hereby issues **CONSENT TO ESTABLISHMENT ORDER** to the project under Section 25 of the Water (Prevention & Control of Pollution) Act 1974 and Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to the activities as mentioned at para (1) only.**
5. **The project proponent shall comply with the information submitted to the Board vide Ir. dt.24.04.2026.**
- Establishment of Data center with 929 MW capacity and in the first phase it is proposed with capacity of 648 MW.
 - During the construction the water consumption would be 50 KLD and waste water generation would be 5 KLD.
 - The power requirement during construction phase is 5 MW and power requirement during operation phase is 648 MW in this phase
 - Total 96 No of Air cooled chillers in each block i.e 3 X 96 = 288 Nos with a capacity of 1930 KW (JCI make) for each chiller. The chillers are water closed loop system and the type of refrigerant used is R134A which is a Non-ozone depleting substance (non-ODS).
 - PESO license will be taken before operation for storage of Diesel.
6. **The project proponent shall comply with the all conditions stipulated in the EC order dt.18.04.2026 issued by SEIAA, AP.**

7. **The project proponent shall take adequate measures to control dust and Noise mitigation measures during construction phase.**
8. **The project proponent shall provide organic waste digester along with composting facility/Bio-digester (bio-gas) for the treatment of wet garbage.**
9. **This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.**
10. **This Consent order issued is subject to the conditions mentioned in the Annexure.**
11. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.
12. **This order is valid for a period of 7 years from the date of issue.**

Encl: Annexure

S SRISARAVANAN, I.F.S
Member Secretary

To

M/s. Vizag Mega Data Center Park Limited,
Sy.Nos. 1, 35, 71, 72, 73-2, 74 & 75 of Tarluvada Village,
Anandapuram Mandal, Visakhapatnam District.
Email:sugunesh11@gmail.com

Copy to:

1. The JCEE, Z.O, APPCB, Visakhapatnam for information and necessary action.
2. The E.E., R.O, APPCB, Visakhapatnam for information and necessary action.

ANNEXURE

1. The proponent shall obtain Consent to Operate (CTO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the trial runs.
2. The applicant shall provide separate energy meters for Sewage Treatment Plant (STP) and Air pollution Control equipment to record energy consumed. An alternative electric power source sufficient to operate all pollution control systems shall be provided.
3. The industry shall construct separate storm water drains and provide rain water harvesting structures. No effluents shall be discharged in to the storm water drains.

Water:

4. The source of water is Rural Water Supply & Sanitation and the maximum permitted water consumption is as following:

S. No.	Purpose	Quantity as per EC Order dt.18.04.2026	Proposed Quantity in the CTE
1	Equipment's cleaning	267 KLD	60 KLD
2	Domestic		35 KLD
3	Greenbelt		172 KLD
	Total	267.00 KLD (Recycled: 28 KLD + Fresh Water: 239 KLD)	267 KLD

During the construction the water consumption would be 50 KLD as per the letter submitted by the project proponent dt.24.04.2026.

5. The maximum waste water generation shall not exceed the following:

S. No.	Source	Quantity as per EC Order dt.18.04.2026	Proposed Quantity in the CTE
1.	Equipment's cleaning	58.0 KLD	58.0 KLD
2.	Domestic	28.0 KLD	28.0 KLD
	Total	86.0 KLD	86.0 KLD

During the construction phase the wastewater generation would be 5 KLD. which would be disposed in septic tank followed by soak pit as per the letter submitted by the project proponent dt.24.04.2026.

6. Separate digital water flow meters with totalizer facility and necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.

Effluent Treatment & disposal:

S. No.	Effluent Source	Treatment Proposed	Mode of final disposal
1.	Equipment's cleaning.	Shall be collect 80 KLD of waste water in retention ponds after intercepting and removing grease through grease traps installed along the drainage system.	After treatment, the treated waste water shall be utilized for greenbelt development
2.	Domestic (28 KLD)	Shall be construct 3 no. of Sewage Treatment Plants of capacity 15KLD each of SBR Technology consists of Bar Screen, Equalization Tank, Sequential Beach, Clarifier tank, Sludge collection tank, Filter press	Shall be reused for toilet flushing's (15 KLD) and gardening (13 KLD).

7. The unit shall implement a Zero Liquid Discharge (ZLD) system, and no discharge shall be permitted outside the premises as per EC order dt.18.04.2026.
8. The PP shall provide STP of capacity 3 x 15 KLD. As the treated effluent is proposed for recycle, the suitable disinfection system shall be provided in addition to the STP. The PP shall construct and commission STP along with commissioning of project.
9. During construction stage septic tank followed by soak pit shall be constructed to the temporary toilets / kitchen provided for the construction labour and shall be removed after completion of the project.
10. Effluents shall not be discharged on land or into any water bodies or aquifers under any circumstances.
11. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. All pipe valves, sewers, drains shall be leak proof.
12. The park shall construct rain water run-off tank for collection and storage of first flush storm water. The industry shall maintain dry condition outside drains in un-rainy season.
13. The domestic effluents shall be treated to on land for irrigation standards, as stipulated under Schedule-VI of Environment (Protection) Rules, 1986, notified by Ministry of Environment and Forests, Government of India vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof.
14. The Board reserves its rights to review plans, specifications or other data relating to the plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.

Air:

15. The Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution.

S. No.	Details of Stack	Stack 1	Stack 2
a)	Attached to:	D.G. Set	D.G. Set
b)	Capacity	200 x 2.75 MW	5 x 1 MW
c)	Quantity:	110 KL/Hr	110 KL/Hr
d)	Fuel form:	HSD	HSD
e)	Stack height:	30 m each	30 m each
f)	Details of Air Pollution Control Equipment:	Acoustic enclosures	Acoustic enclosures
g)	Air pollutants	As per CPCB guidelines issued from time to time.	

16. The industry shall provide the monitoring system to all the stacks / vents in the plant. Regular monitoring shall be carried out and report shall be submitted to the Regional officer.
17. The facility should comply with the National ambient air quality standards as per MoEF, Gol notification dt.18.11.2009 along the premises of the factory as prescribed below:

S. No.	Parameters	Standards µg/m ³
1.	Particulate Matter (PM10)	100.0
2.	Particulate Matter (PM2.5)	60.0
3.	SO ₂	80.0
4.	Nox	80.0
5.	Lead	1.0

Noise levels: Day time (6 AM to 10 PM) – 75 dB; Night time (10 PM to 6 AM) – 70 dB(A).

18. Conditions for D.G. Set

- Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.

- e. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f. D.G. Set shall be operated only in case of power failure.
 - g. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h. The applicant shall comply with the notification of MoEFCC, India on Environment(Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
19. The proponent shall comply with the AAQ standards notified by the MoEF&CC, Gol from time to time.
 20. Necessary provisions should be made by providing tarpaulin / GI Sheets around the construction site to reduce the fugitive emissions to the surrounding area.
 21. All the internal roads shall be of Asphalt to reduce fugitive dust due to the transportation of vehicles.
 22. The project proponent shall ensure to install total 96 No of Air cooled chillers in each block i.e 3 X 96 = 288 Nos with a capacity of 1930KW (JCI make) for each chiller. The chillers are water closed loop system and the type of refrigerant used is R134A which is a Non-ozone depleting substance (non-ODS), as committed in their letter on 24.04.2026.
 23. The industry shall properly operate and maintain the monitoring system to all the stacks / vents in the plant. Regular monitoring shall be carried out and report shall be submitted to the Regional officer.
 24. The industry shall install, operate and maintain online real time monitoring system along with web camera facilities and shall ensure that it is connected to APPCB / CPCB websites as per CPCB directions.
 25. The industry shall install thermal sensors for monitoring of heat profile in order to take effective heat mitigation measures on the surrounding environment in case of any abnormalities are found.

Solid Waste:

26. The facility shall comply with the following for disposal of Solid wastes:

S. No	Name of the Solid Waste	Quantity	Method of Disposal
1.	Used / waste Oil	4000 LPA	Shall be routed through APEMCL to disposed to authorized recyclers or pre-processors
2.	Garbage		
	a. Biodegradable Waste	58.4 Kg/day	Shall be disposed to authorized recyclers.
	b. Non-Biodegradable Waste	87.6 Kg/day	Shall be disposed to authorized recyclers.
3.	STP Sludge	10 Kg/day	Shall be disposed to TSDF / used as amanure.

4.	E waste	8 TPA	Shall be disposed to authorized recyclers.
5.	Battery waste	300 TPA	Shall be disposed to authorized recyclers / Buy-back system
6.	Horticulture waste	256.90 Kg/day	Proposed to be used as a manure for greenbelt development to authorized recyclers.

27. The solid waste generated shall be properly collected and segregated before disposal to the municipal facility. Wastepaper, cartons, thermocol, plastic waste, glass etc., shall be disposed to recycling units. E-waste shall be disposed to authorized recycling units. The in-vessel bio-conversion technique shall be used for composting the organic waste.

28. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

29. Conditions for utilities like Kitchen, Eating Places, Canteens: -

- a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
- b) The toilet shall be provided with exhaust system connected to chimney through ducting.
- c) The air conditioner shall be vibration proof and the noise shall not exceed 68dB(A).
- d) The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. Higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.

30. The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.

31. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and shall be disposed taking the necessary precautions for general safety and health aspects of people, and it shall be disposed only in approved sites with the approval of competent authority.

32. The following rules and regulations notified by the MoEF&CC, GoI shall be implemented as applicable.

- a) Regulation of Persistent Organic Pollutants Rules, 2018.
- b) Hazardous waste and other wastes (Management and Trans-boundary Movement) Rules, 2016.
- c) Plastic Waste Management Rules, 2016& Amendments thereof.
- d) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
- e) Fly Ash Notification, 2016.
- f) Batteries (Management & Handling) Rules, 2010& Amendments thereof.
- g) E-Waste (Management) Rules, 2016& Amendments thereof.
- h) Construction and Demolition waste Management Rules, 2016& Amendments thereof.
- i) Solid Waste Management Rules, 2016& Amendments thereof.
- j) Public Liability Insurance Act, 1991 and its amendments thereof.
- k) Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

l) Ozone Depleting Substances (ODS) Rules of 2000.

Other Conditions:

- 33. The project proponent shall comply with the information submitted to the Board vide Ir dt.24.04.2026.**
- 34. The project proponent shall comply with the all conditions stipulated in the EC order dt.18.04.2026 issued by SEIAA, AP.**
- 35. The project proponent shall take adequate measures to control dust and Noise mitigation measures during construction phase.**
- 36. The project proponent shall provide organic waste digester along with composting facility/bio-digester(biogas) for the treatment of wet garbage.**
- 37. The project proponent shall develop green belt in an area not less than 20% of plot area in addition to green belt in set-back areas.**
- 38. The facility shall comply with all the conditions stipulated in the EC dt.18.04.2026 issued by SEIAA, AP.**
- 39. The proponent shall obtain PESO License, PLI policy, Fire NOC from Competent authorities.**
- 40. The project proponent shall comply with the following conditions during construction phase: -**
 - a. During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
 - b. During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
 - c. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- 41. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated takeback service provider of the producer to authorised dismantler or recycler.**
- 42. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board.**
- 43. The facility shall follow the Schedules stipulated in E-waste Management Rules, 2016 and amendment thereof.**
- 44. The facility shall maintain good housekeeping in the industry premises.**
- 45. The facility shall provide fire hydrant systems to the hazardous waste storage area.**
- 46. The project proponent shall provide dual plumbing system for utilisation of treated water for flushing.**
- 47. The treated waste water shall comply with the standards notified by the MoEF & CC, GoI from time to time to re-use for flushing of toilet, HVAC. The project proponent shall comply with standards prescribed by the MoEF & CC for utilization/discharge of excess water for gardening**

and into UGD.

48. The proponent shall create corpus fund and maintain separate account with adequate budget to meet operational cost of STP.
49. Solar energy and LED bulbs shall be used to reduce electricity requirements.
50. The proponent shall ensure that there should be proper legal frame work for meeting recurring expenses by occupants for implementation of conditions stipulated.
51. The proponent shall use only fly ash-based products for construction, such as cement or concrete, fly ash bricks or tiles or clay fly ash bricks, or bricks blocks or tiles or cement fly ash bricks or blocks or similar products or a combination or aggregate of them as required under MOEF notification S.O.763(E) d 14.9.1999 amended thereof.
52. The proponent shall obtain necessary permissions for the proposed activity, from the concerned Government Departments and other competent authorities.
53. As per the provision of Fly ash Notification No.S.O.2804 (E), dt.03.11.2009 and its amendments thereof, every construction agency engaged in the construction of building within a radius of 300 km from a coal or lignite based thermal power plant shall use only fly ash based products for construction, such as cement or concrete, fly ash bricks or tiles or clay fly ash bricks, blocks or tiles or cement fly ash bricks or bricks or blocks or similar products or a combination or aggregate of them in every construction project.
54. The proponent shall provide proper centralized air exhaust system in all the cellar areas to avoid suffocation.
55. The proponent shall provide sufficient parking space for visitor vehicles.
56. The proponent shall comply with Energy efficient practices and energy audit practices. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement. Wherever feasible, green building concepts shall be adopted.
57. The facility shall display online data outside the main factory gate on quantity and nature of hazardous chemicals being used in the plant, water & air emissions and solid waste generated within the factory premises, as per the Hon'ble Supreme Court of India order.
58. The facility shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.
59. The facility shall submit risk assessment report covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.
60. The facility shall carry out calibration of safety equipments and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
61. The industry shall utilize DG power for captive consumption only & power shall not be supplied to grid and shall follow the amendments issued by MoEF & CC/CPCB from time to time on DG sets in respect of conditions & standards.

62. The facility shall submit compliance to the conditions stipulated in the CTE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission_Compliance_of__CTE_CTO_Direction.aspx.
63. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.
64. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.
65. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

S SRISARAVANAN, I.F.S
Member Secretary

To

M/s. Vizag Mega Data Center Park Limited,
Sy.Nos. 1, 35, 71, 72, 73-2, 74 & 75 of Tarluvada Village,
Anandapuram Mandal, Visakhapatnam District.
Email:sugunesh11@gmail.com