Andhra Pradesh Capital Region Development Authority
Amaravati, Andhra Pradesh
File No: MAU61-EE0ENV/22/2026-ESM

From
The Commissioner,
APCRDA,
Amaravati,
Andhra Pradesh.

To
The Member Secretary,
SEIAA, Andhra Pradesh,
3rd floor, AP Markfed building,
Autonagar, Vijayawada.

Sir,

Sub: APCRDA – Greenfield capital city - Submission of 1st half yearly compliance report 2026 – Reg.

Ref:

1) EC Order No.SEIAA/AP/GTN/151/2015, dt. 09.10.2015
2) Judgement of Hon'ble NGT dt: 17.11.2017.
3) EC amended order SEIAA/AP/GNT/151/2015-515 dt:11.06.2018

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1. Vide ref 1st cited, the Amaravati greenfield capital city project has been issued Environment clearance and vide ref 2nd cited, Hon'ble NGT has issued directions and the SEIAA complying to the directions, vide ref 3rd cited has issued EC amendment.

2. It is to inform that, as per the general condition (vii) of the EC, 1st half yearly compliance 2026 including conditions of the Amended EC in compliance to the direction of Hon'ble NGT is herewith submitted. The copy of the compliance report is uploaded on the Parivesh portal of MoEF & CC.

Note: Soft copy of the Compliance report – conditions of EC and amended EC with annexures is communicated through mail.

Commissioner,
APCRDA

Copy to The Regional Office, MoEF & CC
The Zonal Office, CPCB
The ZO and RO office, APPCB
The Implementation Committee
The Supervisory Committee

Digitally signed by
VIJAY RAMA RAJU V
Date: 14-10-2026
15:25:00

POST EC COMPLIANCE STATUS
ON
ENVIRONMENTAL CLEARANCE CONDITIONS
OF
GREENFIELD CAPITAL CITY AMARAVATI
(Order No. SEIAA/AP/GTN-151/2015, Dated: 09.10.2015 Amendment Order No. SEIAA/AP/GNT/151/2015-515, Dated: 11.6.2018)
1st Half-Yearly EC Compliance Report – 2026 (Jan - Jun)

(A) Specific Conditions:

WATER ENVIRONMENT

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	The Krishna river be protected from all types of harmful discharges from all developmental activities before, during and after Capital Region Development.	All adequate measures have been taken to prevent entry of harmful discharges such as Raw/Treated Sewage/Wastewater into River Krishna. The city is divided into 13 LPS (Land Pooling Scheme) zones and each zone is planned with STP, UG sewer lines and reuse lines. LPS works were commenced prior to 2019 and were halted from June 2019 till 2024. In 2025 works are being revived and Tenders for the LPS zone works are concluded (except one zone). Tenders for 12 STPs are concluded. STPs are planned with tertiary treatment systems. The development of Avenues, reuse lines for the supply of treated waste water from the zonal STP for various reuse applications are part of the BoQ. Abstract of a LPS zone work is enclosed in Annexure 1. Large scale Buildings: STPs are included in BoQs in Amaravati Government Complex buildings

S. NO.	EC CONDITION	COMPLIANCE STATUS
		(Interlinked building projects). BoQ of an interlinked project showing STP provision is enclosed in Annexure 2 (See pg 93 of 184). STPs are established in Existing Government complexes and Private Universities.
2	The proponent shall utilize only surface water from Krishna River and Kondaveeti vagu to the tune of 1067 MLD, after obtaining the approvals from the concerned statutory bodies and after proper treatment in the proposed Water Treatment Plants. Proponent shall ensure supply of water round the clock i.e., 24×7, meeting the drinking water quality standards as per IS 10500.	WTP with Water supply lines works have commenced and source of water is from te Krishna river. The IS 10500 will be ensured during operational stage. During construction stage, the condition is being complied. Water for all the interlinked projects, labour camps including existing Interim Government Complex and Judicial complex and Universities in the capital city is being drawn from Krishna River from existing lift irrigation schemes and supplied through water supply lines laid by APCRDA. . The functional government buildings and the Universities have WTPs within their premises. At city level for the supply of treated water, a WTP of 190 MLD capacity with ZLD has been awarded prior to 2019and around 30% of the work has been completed. Works were halted from June 2019. Now in 2025, works have been recommenced. For the immediate drinking

S. NO.	EC CONDITION	COMPLIANCE STATUS
		water requirements of the interlinked building projects in the Amaravati Government complex, a WTP of 10 MLD near Rayapudi is completed. The Treatment standards to IS 10500 for the during construction stage in the labour campsis being ensured.
3	The proponent shall construct nine internal detention ponds and two reservoirs within the Capital City in addition to two external detention ponds of adequate capacity to overcome the flood menace posed by the Kondaveetivagu and its tributaries. The proponent shall carry detailed hydrological study of the Kondaveetivagu and its tributaries and plan location of detention ponds and reservoirs to achieve twin objectives – combat of inundation and utilization of water. The proponent shall consider factor of increase in intensity of the flow and volume due to pavement of the City and area inundated for 1 hour or more and having water depth more than 6 inches may be considered as affected by water logging for designing of Storm Water Drainage System. The proponent shall take into account climate change considerations and design storm water drains for 20% more capacity than the calculated discharge. The proponent shall protect and improve the existing natural	The Hydrological studies of the Kondaveeti Vagu and its catchment has been done by Tata consulting Engineers Ltd. and Arcadis(Netherlands based firm). The flood management report is enclosed in Annexure 3. Detention ponds, improvement to the storm water drains, construction of Gravity canal and pumping stations are designed as per the recommendations of the said studies. The hydrological study of the Kondaveeti vagu and its tributaries has considered the expected paved areas and its factor contributing to flooding conditions and options were suggested for the flood management infrastructure in the studies. Climate change aspects are also considered in the design. The design considered the effects of paved area and the storm sewers are designed considering the 1 in 5year storm frequency and canals, detention ponds and flood pumping stations are designed considering the 1 in 100year

S. NO.	EC CONDITION	COMPLIANCE STATUS
	drains and construct modern storm water drainage system to avoid flooding and water logging problems. The proponent shall ensure that sewage shall not enter into storm water drainage system under any circumstances. Proponent shall construct adequate detention ponds and reservoirs at appropriate locations to collect entire storm water. Proponent shall also take measures to strengthen the Krishna River Bund to minimize flood related issues.	24 hr return rainfall. Separate underground systems for the Sewage and Storm water network are planned along all roads and works have been commenced. The storm water system for the city includes the network of existing natural streams, city storm sewers, detention ponds, canals. It is planned to achieve twin objectives to combat inundation and utilization of water. The Reservoirs (Detention ponds) near Krishnayapalem & Neerukonda and Shakamuru are part of the flood mitigation and they are interconnected to the Storm water network. Flood mitigation works were commenced prior to 2019 and later halted during 2019-2024. Works have been re commenced in June 2025. Krishna River bund strengthening will be taken up after prior studies.
4	Detailed studies on the flood management of the Storm water drains, mainly Kondaveetivagu and its branches and a detailed plan to avoid inundation of the areas be developed taking in to account of the impact of the increased built up area in different development zones of the project.	The Blue Master Plan has been prepared in consultation with the Expert Committee constituted by Government of Andhra Pradesh for flood management works in Amaravati. Further, the DPRs have been reviewed by the KWD, the World Bank & CLC Singapore. The WRD Department, GoAP has vetted all the designs and DPRs. The design considered the

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		effects of paved area and the storm sewers are designed considering the 1 in 5year storm frequency and canals, detention ponds and flood pumping stations are designed considering the 1 in 100year 24 hr return rainfall. To avoid inundation, as per the studies, the existing natural streams are proposed for improvement in terms of its widening and deepening without altering its course, a new canal called gravity canal is proposed to divert the Kondaveeti vagu upper catchment runoffs from entering the city. Two pumping stations are proposed one at Vykuntapuram which receives runoff waters from the Gravity canal and other pumping station at Undavalli which receives the storm water runoffs from the city catchment area. Further, 3 reservoirs of capacity 0.53 TMC are planned in the city which act as detention ponds. The flood mitigation works (3 detention ponds, improvement to Pala vagu, Kondaveeti vagu, construction of Gravity canal are awarded and works are commenced during June 2025) Further, as part of the flood mitigation, separate under ground storm water network is planned along all streets with final outlets into vagus with outlet levels above the HFL of the vagu. Kondaveeti vaagu pump

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		station with a capacity of ~5250 cusecs is commissioned. All the pumps at Pumping station were operated during the 2024 heavy storm event (1 in 100 year).
5	The proponent shall ensure cleaning of storm water drains at least three times a year. (i) First, the process must start by 31 March each year. (ii) The drains should also be thoroughly cleaned after first heavy shower (iii) subsequently, after retreating of rain i.e., in the post monsoon.	The cleaning of the storm water drains will ensured and compliance will be submitted at appropriate stage of the project.
6	Proponent shall ensure construction of rainwater harvesting structures and also promote rainwater storage and use system by considering heavy rains in the area. Proponent shall make these as mandatory by incorporating in the Bye-laws of APCRDA & CA.	The interlinked projects have been planned with the rain water harvesting system and storage tanks. The details of the execution will be submitted post execution. The construction of RWH structure is made mandatory as per the Amaravati zoning regulations. Refer Annexure 4 – See sec 606 of Amaravati Zoning regulations.
7	Water pumping system and sewage conveyance and treatment systems are energy intensive and as such the proponent shall follow Bureau of Energy Efficiency Norms.	The Condition of EC is complied and provisions are made in the tender documents. LT pumps selected for clear water pumping and distribution system are of IE3-rated, in compliance with the norms set by the Bureau of Energy Efficiency (BEE). The HT pumps used for clear water pumping,

S. NO.	EC CONDITION	COMPLIANCE STATUS
		as well as the raw water pumps installed at the intake well and WTP are based on the 3D (Demand Driven Discharge) concept. These pumps operate according to the actual demand, ensuring optimized performance. Their operation is regulated by energy-efficient devices such as Variable Frequency Drives (VFDs), which help in controlling the pump speed and reducing energy consumption. VFD systems are used in Sewerage infrastructure. The BoQ for the STP is enclosed in Annexure 5 (see pg 8,12) and the reply from the ADCL on the Water supply systems is enclosed in the Annexure 6 (see pg 2). Appropriate O&M will ensure minimum electrical energy usage in pumping of raw water from the Intake Well, raw water transmission main, various treatment processes in WTP, clear water pumping station, clear water transmission main and in water distribution system through WDCs to the users.
8	Proponent shall encourage low flow plumbing efficient fixtures, sensors, auto valves, pressures reducing devices including for toilets, faucet aerators and shower heads to conserve the water. Proponent shall incorporate these	Amendment of Amaravati Zoning Regulations by incorporating of EC conditions and NGT conditions is completed.. see Annexure 7.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	guidelines in the Bye-laws.	
9	The proponent shall ensure 100% collection of sewage by covering entire area of the city with modern underground sewerage network. The proponent shall treat entire (100%) waste water of 877 MLD (year 2050) in the proposed Five Sewage Treatment Plants and one dedicated Industrial Waste Water Treatment Plant to the International Municipal Sewage reuse standards of BOD ≤ 10 mg/l, COD ≤ 10 mg/l, Total Suspended Solids (TSS) ≤ 10 mg/l, Residual Chlorine ≤ 1MG/l and Faecal Coli /100 ML – No detectable levels as committed in EIA report. The proponent shall recycle 100% of treated sewage for non-potable applications like flushing, gardening, road and vehicle cleaning, HVAC, fire protection, construction activities, industrial applications by laying dedicated pipeline for supply of treated grey water as committed in the EIA report. The proponent shall construct treated sewage storage ponds of adequate capacity with HDPE liner to store treated sewage during rainy season as committed. The proponent shall lay dual piping at street level shall be laid out in service ducts with 24 ×7 water supply provision by ensuring pressure in the main water supply network is always maintained	The total wastewater generation for the year 2050 is projected to be 681 MLD, and land for treatment plants of sufficient capacity has been allocated in the capital city. The STPs will be developed on modular basis to treat this quantity. Sewage collection system has been planned for the entire Capital City area, the city is divided into thirteen sewerage zones, each serviced by 1 sewage treatment plant. In the tender documents, the recommended norms of treated sewage quality by MoHUA dtd 18.12.2023 or CPHEEO (Revised table 7.19 of the Manual on Sewerage and Sewage treatment) are included for treatment of Sewage. Tertiary treatment systems included in the BoQ with BoD <5 mg/l. See pg 11-13 of 30 in Annexure 5. It is planned to reuse the treated waste water for various applications like flushing, greenery, District cooling systems and other applications as required. Dedicated Underground water supply and reuse lines are laid and it will be ensured that sufficient pressure is maintained in the main water supply network.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	at least twice of the pressure in dual pipe carrying treated waste water to avoid contamination of the fresh water.	
10	The proponent shall construct Sewage Treatment Plant of capacity 216 MLD in the 1st phase and reuse 114 MLD for green belt development and Horticulture and 102 MLD for flushing, construction activities, HVAC requirements, road washings, emergency fire fighting, industrial applications etc., as committed. The proponent shall also construct 3500 MLD treated sewage storage pond for storage of treated sewage in the rainy season as committed. The proponent shall undertake construction of Sewage Treatment Plant simultaneously with the construction of the city.	The tenders for the construction of the STPs catering the sewage demand from 12 LPS zones (of total 13 zones) for a capacity of 282 MLD are finalized . It is planned to construct STPs with a capacity of ~330 MLD and with increase in population the STPs capacity will be increased for the ultimate design population. It is proposed to reuse the treated waste water for various applications in the capital city. Reuse lines along the roads for distribution of the treated waste water to the greenery areas and other applications are part of the BoQs.
11	The proponent shall provide continuous online water quality monitoring facilities for WTPs, STPs and upstream of drinking water source at Krishna River. Results of monitoring shall be linked to SPCB / CPCB website.	Online River Water Quality System is commissioned on upstream of River Krishna and is connected to APPCB and CPCB server. The city level STPs and WTPs will be monitored using SCADA system and it is included in the BoQs. see pg 12 of 30 in Annexure 5 and pg 2 of 9 in Annexure 6. The Scada systems will be connected to the SPCB/CPCB website. The compliance will be submitted post execution.

S. NO.	EC CONDITION	COMPLIANCE STATUS
12	All roads should have rain water drains connected separately (from the sewage network) to the treatment facility of the zone.	All the roads have been planned with separate UG storm water network and the storm water is proposed to be released into the proposed reservoirs or the existing natural drains. For efficient drainage from the city the outlets are above the HFL of the canals.
13	Appropriate sites be identified and selected for establishing the STPs for different zones, and the proponent shall reserve the area within 200 m from the STPs, as no habitation vegetation zone and may use for establishing waste recycling or processing or handling facilities for the respective zone.	Sites for the STPs are identified and the area around the STPs for handling waste recycling or processing will be examined case to case basis and compliance will be submitted.
14	Water quality of all the surface water bodies, including the storm water drains be monitored during pre-monsoon and post-monsoon seasons, for their management purposes and the report is submitted as compliance.	During construction stage, Water quality monitoring of surface water is included in the tender documents of all works on quarterly basis. Monitoring includes pre construction and construction stage. Refer Annexure 9 pg 126 of Standard bid document. Post completion of the capital city works, the monitoring of the water bodies will be done and reported. Online River monitoring station upstream of Prakasam Barrage is connected to APPCB website and CPCB website.
15	The proponent shall prepare water footprint and carry	Water footprint will be prepared and Water Audit will

S. NO.	EC CONDITION	COMPLIANCE STATUS
	auditing every year.	be carried out as part of the Operation and Maintenance measures proposed for the system. The compliance will be submitted.

AIR ENVIRONMENT

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	The proponent shall give priority for walking, cycling and integrated public transport system for laying of the roads and usage of cleaner fuels and plying of fuel-efficient vehicles on the road.	1. The elements of walking, cycling, public transport were well planned and spread over in the city as per notified Master Plan. 2. Walking, Cycling: Dedicated space is part of the design of all Trunk (Arterial, Sub arterial) and LPS roads (Collector streets). 3. Public Transportation (PT): Sub- Arterial roads are provided with dedicated PT corridor and ordinary PT system will ply on Arterial Roads. Preference will be given for Electric vehicles in the public transportation system in the capital city. Consultant has been engaged to prepare a typical plan and sections with the details of necessary EV charging infrastructure along with Bill of Quantities, Cost estimate to accommodate minimum 2 to 3 EV charging stations at one location. With reference to Arterial Roads, EV charging infrastructure will be installed on either side of the carriageway by creating a lay bye to the main carriageway with facilitation for EV charging infrastructure for various vehicles such as Bus, Car and Two Wheelers etc. In the interlinked building projects of the Capital city – i.e., Interim Government

S. NO.	EC CONDITION	COMPLIANCE STATUS
		Complex (IGC), battery operated vehicles are being used within the premises. It is proposed to install EV charging provisions in the building project complex taken up by APCRDA.
2	Proponent shall construct a continuous unobstructed foot path on each side of all streets with ROW wider than 12 mtrs. Minimum width of footpath shall be 2 mtrs. In addition to space for trees/greenery/vending spaces and surface utilities. Width of footpath shall be determined based on pedestrian volume and have to be wider than 2m wherever required. Intermittent buffers, bollards and other physical elements should be used to protect foot paths from encroachment by motor vehicle parking. At least 125 trees per kilometre length of footpath on the streets shall be ensured. Spacing of trees at no place should be greater than 12 m except at intersections. On streets with ROW of 18 m or less, if pedestrian traffic is greater than 8000 per hour in both directions together, the entire ROW should be notified for pedestrianization. Footpath Elevation over the carriage way at all times should be less than 150 mm. All pedestrian facilities should be barrier free for universal access by all persons with reduced mobility including those with hearing	The details of roads as per design and tenders are as follows- The minimum ROW of 12 m with foot path, cycling tracks and avenues on both sides are designed and spread all over the city. Footpaths: Proposed on all the Trunk and LPS roads with width ranging between 1.8m on both sides of 12 m road to 3 m on both sides of 50 m road. See pg 12-15 of Annexure 8 for cross sections in LPS roads See pg 8 of Annexure 6 Trees per Km.: Spacing of the trees will be as per the standards for different road widths. Speeds on roads: The city roads were planned by following the Urban road hierarchy system and designed by adopting the best national, International standards/practices. Road safety elements are included will be developed under the street furniture item. See Annexure 1. Few of the Arterial, Sub Arterial, Collector and Local road construction works are

S. NO.	EC CONDITION	COMPLIANCE STATUS
	and visual impairments. At least 5 safe street-level crossing opportunities per kilometre of street with 250m being maximum spacing between two crossings shall be ensured. Depending on context, these crossings may be signalized and / or traffic calmed (through raising crosswalk over street level by 150 mm) to reduce vehicular speed. Limiting speed on urban arterial roads and sub-arterial streets to 50 kmph and on collector and local streets to 30 kmph shall be ensured. Traffic calming of all streets with ROW of 12m or less through narrowing of driveway and meandering path with use of trees, islands and street furniture should be done and speed should be limited to 20 km/hr by design. Highways within urban areas should be avoided since they disrupt pedestrian activity and disconnect neighbourhoods. Vending spaces should be marked in addition and adjacent to the walking path, especially along high pedestrian volume areas to activate the street and make it safe. Space to be planned for utilities including drinking water kiosks and toilets so that the walking space is enhanced but not compromised.	awarded and reached some progress till 2019 and later during 2019 June to 2014 works were halted. Now, in 2025 the works have re-commenced. Roads with the footpaths, cycle tracks, street poles, street furniture, avenues, UG ducts for electrical, Sewer lines, reuse lines, ICT, Water supply, Gas lines are part of the tenders. Total Collector roads length is ~1280 Km and Total Arterial and Sub Arterial roads length is ~320 km. The major road classes of Master Plan were designed with recommended speed limits along with proper safety measures. All other conditions will be considered see Design basis report of a LPS zone is enclosed in Annexure 8.
3	Proponent shall - Construct dedicated and physically segregated	1. With a vision and objective to encourage Non-Motorized Transport (NMT) in the city, required infrastructure is

S. NO.	EC CONDITION	COMPLIANCE STATUS
	bicycle tracks with width of 2m or more, one in each direction on all streets with total motor vehicle carriageway larger than 10 m (not ROW) after providing adequately sized footpaths in each direction based on pedestrian traffic. - Develop at least 5 safe street crossings per km for bicycles with spacing between two crossings not more than 250m. - Provide secure parking for cycles at transit stations, all public places and commercial and institutional buildings. - Promote and implement public sharing schemes.	planned in the notified Master Plan. A dedicated NMT corridor all along the trunk and LPS roads were proposed in the master plan. The Right of Way (RoW) created for NMT will encourage and generate awareness among citizens about the bicycle activity. In context of maintaining the safety of cyclists and create environment friendly transport system these segregated bicycle tracks were planned. 2. Based on the IRC and other international standards, road and street crossing designs such as Table ops, Pelican signals, zebra crossings, etc. and bollards restricting the vehicles entering Pedestrian and Cycle tracks are included in the BoQs. 3. APCRDA has taken up developing the pre-feasibility analysis study for Public Bike Sharing (PBS) system in Amaravati along with Vijayawada and Guntur with World Research Institute (WRI). 4. Bike sharing System size, Bike Station location Plan, infrastructure requirement, implementation plan, awareness & advocacy training programs, etc. will be taken up as per the recommendations at appropriate stage of the city development and will be

S. NO.	EC CONDITION	COMPLIANCE STATUS
		reported.
4	Proponent shall design streets with emphasis on Pedestrian and cyclist safety, comfort and convenience. Proponent shall establish a dedicated unit for planning and auditing of Non-Motorized Transport (NMT) facility. Area of blocks surrounded by public access pedestrian / cyclist streets or pathways shall not exceed 2 Ha. No development shall be permitted until local street grid is put in the place which subdivides land into blocks of no more than 2 Ha.	All the streets are designed considering safety, comfort and convenience for the pedestrians and cyclists. Area of blocks surrounded by public access pedestrian / cyclist streets or pathways shall not exceeded 2 Ha.
5	Proponent shall develop high quality and high frequency rapid public transport system with dedicated lines for bus rapid transit system. All public facilities (institutional / educational / cultural etc.) should be accessible by public transport within 400m walking distance.	1. Grid pattern network of roads is planned in the city. The distance between any two major roads (Arterial/Sub-Arterial) in the city is 1km. All the sub-arterial roads were provided with dedicated PT corridor and ordinary PT system will ply on arterial roads. The Arterial and Sub- Arterial roads were planned one adjacent to another. This will create an access to citizen for Public Transportation system within 400m walking distance. 2. Each Community Centre is within 5 minute walking distance for any resident, and public transport node is within 10-minute walking distance.
6	The proponent shall encourage	Battery operated vehicles will

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	battery operated vehicles by providing separate lane with a provision for recharging.	be encouraged and details of provision of lay bye and recharging facilities will be submitted.
7	On making available of cleaner fuels like LPG/CNG, the proponent shall ensure plying of only CNG/LPG fuelled public transport vehicles like buses, taxis, autos on the road. Proponent shall also ensure that vehicle beyond 15 years of age shall not ply in the city. Proponent shall also encourage usage of low sulphur diesel and unleaded petrol by vehicles. Proponent shall ensure plying of latest emission compliant vehicles only on road.	Measures will be taken to comply with the condition. Necessary controls will be brought to ensure that Low sulphur diesel and unleaded petrol are used by the vehicles. The compliance details will be submitted.
8	The proponent shall encourage environmental friendly modes of transport like public transport and non motorized transport and discourage usage of personal cars by devising disincentives for private car use, in the form of both spatial (like parking control) and physical (like levies on car, fuels, congesting charges).	The design of the city roads considered public transport system and about 150 km of dedicated corridor for public transportation network is identified. Designated commercial areas are connected with public transportation in the master plan. Policy for discouraging the use of personal vehicles and promotion of public transport at appropriate stage of the city development will be submitted.
9	The proponent shall provide adequate parking facilities by giving priority to public vehicles and non motorized transport vehicles.	For all the projects it is ensured that parking spaces are provided as per the NBC norms/ZR norms.

S. NO.	EC CONDITION	COMPLIANCE STATUS
10	The proponent shall ensure that all utility lines (electricity, telephone, cable, water supply, sewerage, drainage etc.) shall be laid below the ground. Duct shall be provided along and across the roads to lay the utility lines. Major trunk (water/sewerage) lines are to be laid along the utility corridor.	With an objective to make Amaravati as a dig free city, the Infrastructure Master plan has recommended to develop Utility Corridor all along Trunk and LPS roads placed on either sides of the carriageway below the ground. **See pg 12-15 of Annexure 8 for cross sections in LPS roads** **See pg 8 of Annexure 6**
11	The proponent shall ensure that DG sets shall comply with noise and emission norms prescribed by MoEF&CC in Environment (Protection) Rules.	The DG sets approved by authorised agencies will be installed and monitoring results of the Noise and Air emissions of the DG sets will be submitted. During construction stage, Monitoring of Noise and Air emissions is included in the tender documents. **See pg 127 standard bid document enclosed in Annexure 9.** In the tender documents, it is recommended to use CNG genset, Solar based sources in all practicable cases and to use DG sets as a last option. It will be ensured that stack of minimum height is installed to prevent the ground level emissions. **See pg 129 of standard bid document enclosed in Annexure 9** A condition is incorporated in the Amaravati zoning Regulations stating that only Approved DG sets shall be installed. **See Annexure 7**

S. NO.	EC CONDITION	COMPLIANCE STATUS
12	The proponent shall ensure development and meeting of not less than 10% of energy needs from the renewable energy sources like Solar, Wind, WTE, Biomass etc. To meet the demands of the Capital City, at least 120 MW of solar power with investment to the tune of RS.500 Crores and wind power with investment of Rs.100 Crores in the 1st phase shall be taken up as committed.	Roof top solar is included in BoQs of all Housing and Office building in AGC area. Roof top solar is mandated in the Amaravati Zoning Regulations for all buildings except for residential buildings less than 300 sqm plot area. **See Annexure 7.** The enforcement of the roof top solar at plot level will significantly contribute to achieve the 10% of total city energy needs from renewable. The decision on the establishment of the Large scale renewable energy based parks/plants will be submitted.
13	The proponent shall ensure installation of solar panels by all buildings by allocating at least 1/3 of roof top for this purpose. This is in addition to installation of solar heaters. The proponent shall incorporate these guidelines in Bye-laws.	The condition related to solar water heating and solar lighting is already mandated in Amaravati zoning regulations. **see Annexure 7.** All the proposed interlinked projects are planned to develop with Roof top solar plants. Roof top solar is included in the BoQs of the building projects. **See pg 167 of 184 of a BoQ of interlinked building projects in AGC area, enclosed in Annexure 2.** Solar water heaters are also included in the building projects. **See pg 129 of 184 of a BoQ of interlinked building projects in AGC area, enclosed in Annexure 2.** In the Interim Government

S. NO.	EC CONDITION	COMPLIANCE STATUS
		Complex two solar trees of total capacity 20.8 KW are installed. Installation of the Roof top solar plant on all the buildings in the IGC is also completed with a total capacity of 842.5 Kw. 60 Kw Roof top solar plant is under operation in High court. Further, a 22 kw capacity plant is installed and to be brought into operation. Roof top solar has been installed by the Universities in Amaravati.
14	The proponent shall incorporate energy efficiency guidelines (Energy Conservation Building Code) and Green Building Concepts (GRIHA/IGBC/LEED) in the Bye-laws. Buildings shall utilize natural lighting and ventilation to the maximum extent. All point light sources shall be CFL or LEDs or equivalent. All linear light sources shall be T-5 or at least 4* BEE rated TFLs or equivalent. The distributed cooling system shall be at least BEE 3* rated products. All the major buildings having connected load of more than 100 KW shall maintain power factor of above 0.95. All multi story residential apartment / complexes shall meet at least 15% of total external lighting load through renewable energy sources and all commercial, institutional, industrial and mixed use buildings shall meet	Green building norms, ECBC are mandated for the buildings in the capital city. The condition is incorporated in the Amravati Zoning regulations. **See Annexure 7.** The condition is included in the building permission process **see pg 5 of a building permit order in capital city enclosed in Annexure 10.** The interlinked building projects designs have included the green building and ECBC norms in the BoQs and is targeted for Green certification. BEE minimum 3 star rated to 5 star rated products, Roof top solar and its connectivity to the external lighting load, water heaters, LEDs and other green building norms, power factor are considered in the designs and BoQs.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	at least 5% of the total lighting loads through the renewable energy sources. All residential buildings having plot area of more than 500 Sq.mtrs, multi story residential apartments / complexes, hotels and banquette halls, hospitals, all government buildings, residential schools, educational institutes, hostels and industries requiring hot water shall install solar water heating systems to meet at least 20% of hot water requirement. 24 hours use buildings like hospitals, hotels, call centers, shall ensure that thermal performance of external walls and roof shall conform to ECBC 2007 requirements i.e., maximum U-factor (W/m^2K) of 0.44 and 0.261 respectively and for day time use buildings U-factor of 0.44 and 0.409 respectively. U-factor for windows shall not be more than 3.30. All major buildings land complexes shall meet Energy Performance Index of less than 150kWh/Sq.m per year. All commercial buildings with connected load of 100kW and above shall invariably comply with energy conservation building code. All the Capital complexes, Commercial, institutional and major residential complexes should be constructed following Green Building concepts and ensure – energy efficiency, low carbon foot-print, resources conservation etc. The proponent shall	

S. NO.	EC CONDITION	COMPLIANCE STATUS
	ensure that all the bulk consumers of the energy, shall meet a greater part of their demand through renewable energies and avoid use of fossil fuels; The proponent shall incorporate these in Bye-laws.	
15	The proponent shall establish minimum 3 online continuous Ambient Air Quality Stations in three zones i.e., residential, commercial and business zones and connect the results to CPCB / SPCB website in the 1st phase. Permanent Online Air Monitoring Stations for Air Quality be established, one for every 25 km2 of area, located strategically considering the wind rose of the area and terrain conditions.	One station is installed by APPCB at Interim Govt. Complex, Velagapudi, and connected to CPCB. 3 manual stations will be installed with the support from the APPCB and CPCB under the NAMP. The proposed locations in the capital city are at Thullur PHC, Yerrabalem Sub centre and SRM University.
16	The project proponent should develop mechanism for monitoring Carbon sequestration from the plantations made and should achieve a Mean Annual Increment of the Carbon stock of at least 5 tons/Ha/annum. The proponent should monitor the carbon stock of each area, at least once in two years and submit reports.	Carbon stock and sequestration calculations have been completed till 2025 February. Further, a planned program for greening will be adopted as per the suggestions of climate action plan for city and accordingly carbon stock and sequestration will be monitored and reported. Climate action plan final report is submitted. ICLEI (International council for local environment Initiatives) engaged for preparation of climate action plan and carbon sequestration through plantation is part of the final report. **See Action points in Annexure 11.**

S. NO.	EC CONDITION	COMPLIANCE STATUS
17	The proponent shall prepare carbon footprint for the city and strive for carbon neutrality.	Earlier, M/s TERI has been entrusted with the task of preparing climate change action plan for the Amaravati capital city and the carbon sequestration is part of the Action plan. The work was halted during 2019 -2024. ICLEI has been engaged for preparation of climate action plan.The final report is submitted. Strategies for carbon neutrality is part of the Report. The final report was prepared after consulting with stakeholders and is now aligned with the State Action Plan on Climate Change, as advised by the Member-cum-Nodal Officer. It has been submitted for IC and SC members for review. It was shared on 18 Nov 2025. **See Annexure 11.** Necessary actions in this regard are yet to be initiated and the details will be submitted.

SOLID WASTE MANAGEMENT

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	The proponent shall ensure that occupiers of all premises to keep two receptacles, one for the storage of food / organic / biodegradable waste and another for non	The Households in the Existing settlements have been distributed with two bins for the wet and dry waste. Households are supplied with 2 dustbins and Bins have also been distributed

S. NO.	EC CONDITION	COMPLIANCE STATUS
	biodegradable / recyclable and other types of solid waste generated. Hazardous waste generated by households shall be kept separately in suitable container as and when such a waste is generated.	to the commercial establishments in all the villages. HHs are segregating waste at the source level and awareness is being done regarding source level segregation of the wet and dry waste separately.
2	The project proponent shall ensure that all the newly developed areas shall not have any open waste disposal sites on the road sides and develop efficient waste collection mechanism that ensures segregation at the origin level only.	Suitable no. of the collection vehicles and manpower for Door-to-Door waste collection are engaged to prevent open waste disposal. Further, dumper bins are placed in the major streets to temporarily store the door to door collected wastes and later for collection by compactors for transportation to the waste to energy plant.
3	Proponent shall arrange for door to door collection and / or community bin collection of domestic waste; trade and institutional waste stored by the waste generators in segregated manner.	Door to Door collection in all the villages is already in practice. Cube bio energy pvt ltd has been engaged.
4	Proponent shall identity and allocate suitable pieces of land in the jurisdiction of the city to facilitate sorting of various components of recyclable material collected by waste collectors and prevent such activities being carried out on the foot paths / road side etc.	The condition will be complied at appropriate stage with city growth and actions taken in this regard will be submitted.
5	The proponent shall identify and allocate adequate land	The condition will be complied at appropriate stage with city

S. NO.	EC CONDITION	COMPLIANCE STATUS
	for Multiple Transfer Stations with mechanical Material Recovery Facility for secondary segregation and storage of dry waste as committed. Transfer Stations shall be properly covered and hygienically maintained to minimize Environmental and Health Hazards.	growth and actions taken in this regard will be submitted. Currently, the waste is being transported to the waste to energy plant in Naidupet, Guntur**. See Annexure 18.** The condition will be complied and actions taken in this regard will be submitted.
6	The proponent shall ensure daily sweeping of all public streets and periodical cleaning of all public places.	The street sweeping is being done in the settlements and the condition is complied.
7	The proponent shall make arrangements for separate collection of construction and demolition waste and shall be transferred to Construction and Demolition Waste Recycling Facility. Proponent shall allocate adequate and suitable land for establishment of Construction and Demolition Waste Recycling Facilities.	The condition will be complied. As per the C & D waste management guidelines, portions of the C & D waste will be used in filling the low lying areas of the city and levelling of the land. Conditions are included in the ESMP/SoP of the tender documents of the capital city contract works i.e. - In the construction phase, all the contractors shall store the C & D wastes in the segregated forms within the project sites and shall be disposed as directed by the APCRDA. **See pg 47 of SoP enclosed in Annexure 12.** The APCRDA is in process of entering MoU with the existing C & D plant operator in Vijayawada. Transfer stations will be established in the city. The C & D waste from the city will be lifted by the C & D plant operator.

S. NO.	EC CONDITION	COMPLIANCE STATUS
		Actions taken will be submitted.
8	The proponent shall ensure that a separate adequate space for segregation / storage and decentralized processing of solid waste is demarcated in the plan for group housing or commercial/ institutional or any non residential complex exceeding 200 dwellings or having a plot area of more than 10000 Sq.mtrs.	Adequate space for onsite waste management is considered in the interlinked building projects and compliance will be submitted post execution. Organic waste composters are considered in the BoQs. The condition is incorporated in Amaravati zoning regulations and buildings permission orders. **See pg 5 of the building permit order issued for a development in capital city enclosed in Annexure 10.** **See Annexure 7 for the Amaravati zoning regulations amendment.**
9	The proponent shall ensure collection of waste from vegetable, fruit, meat and fish markets on daily basis and promote setting up of de-centralized compost plant or bio methanisation plant at suitable location in the market.	The establishment of the decentralized compost plant/ bio-methanation plants in the market locations will be promoted and dealt case to case basis. The compliance details will be submitted.
10	The proponent shall ensure establishment of modern abattoirs (slaughter houses) with appropriate waste management facilities. The proponent shall also take measures for establishment of Rendering Plant for disposal of carcass or parts of any dead animal in scientific manner.	The existing abattoir located in the adjacent and contiguous area to the capital city they are Mangalgiri or Vijayawada will be utilised. Decision on the identification of Land for Modern abattoir will be reported.
11	The proponent shall allocate suitable and adequate site for setting up of Common Bio	As per the biomedical waste management guidelines, the facilities within 75 km shall be

S. NO.	EC CONDITION	COMPLIANCE STATUS
	Medical Waste Treatment and Disposal Facility within the city limits.	utilised and CBMWT facility in the Chinnakakani will be used for the disposal of the bio medical wastes. The plant is not operated to its full capacity. If the existing plant reaches its full capacity and, in the future, major hospitals that come up in Amaravati will be asked to develop suitable biomedical waste management facilities within their premises. Handing over of the biomedical wastes by the waste generator to the authorised dealer is incorporated in the building permit procedures. **See pg 5 of the building permit order issued for a development in capital city enclosed in Annexure 10**
12	Proponent shall make arrangement for setting up of Waste Collection Centers for plastic waste in association with plastic manufacturers. The Proponent shall also ensure safe collection, storage, segregation and transportation, processing and disposal of plastic waste in environmentally sound manner. The proponent shall allocate suitable and adequate site for setting up of plastic recycling, processing and disposal facilities.	It will be complied. The actions taken will be submitted.
13	The proponent shall facilitate setting up of E-waste Collection Centers by the producers and channelize e-	Waste collection centres will be established at appropriate locations. It will be complied. The actions taken will be

S. NO.	EC CONDITION	COMPLIANCE STATUS
	waste to recyclers or dismantlers. The proponent shall allocate suitable and adequate site for setting up of e-waste recycling / dismantling facilities.	submitted.
14	The proponent shall identify and allocate suitable site for establishment of common Hazardous Waste Treatment and Disposal Facility.	It is proposed to develop only non-polluting industries and therefore the facility establishment will be considered on the need basis. The domestic waste collected from the city is transported to the waste to energy plant in Naidupet, Guntur. The technology at WTE, Naidupet accepts the mixed type of wastes.
15	The proponent shall facilitate establishment of used battery Collection Centers by manufactures / importers / assemblers / reconditioners and canalize the used batteries to registered recyclers. Proponent shall allocate suitable site for setting up of used battery recycling facilities.	In the interlinked building projects under operation, buy back arrangements are done. Used batteries are classified as hazardous waste and shall be handled as per rules. The actions taken will be submitted.
16	Proponent shall ensure proper collection and scientific disposal of sludge from the water treatment plants, sewage treatment plants, water seal latrines and septic tanks.	Co treatment facilities for the sludge are included in the STP works. As an interim measure, the septage from the existing settlements is transported to the 20 MLD STP located in Ramalingeswar nagar STP.
17	Proponent shall take measures for proper collection and scientific disposal of bulky waste like discarded tables, chairs, cots,	Transfer Station will be suitably designed with special arrangements to handle bulky objects. Actions taken will be submitted.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	cub boards, mattresses, gas cookers, microwave ovens, washing machines etc.	
18	Proponent shall take measures for establishment of state of art modern Integrated Solid Waste Management Facility for the city as committed consisting of Sorting / Material Recovery Plant, Compost Plant / Anaerobic Digesters, Waste to Energy Plant, Construction and Demolition Waste Recycling Plant, Bio medical Waste Facility, Plastic Waste Processing and Recycling Facility and Engineered Landfill Facility. Proponent shall allocate suitable and adequate space for ISWMF in the city limits and ensure establishment of ISWMF simultaneously with the construction of the city in the first phase itself.	Currently, the waste from the existing settlements is being collected and transported to the waste to energy plant located in Naidupet, Guntur which was constructed a regional facility to cater to the waste management from few ULBs in erstwhile Guntur and Krishna districts**. See Annexure 18.** Suitable site has been allocated within the capital city and the development of the ISWMF will be done at appropriate stage of city development. During the construction stage, conditions for the management of waste by the contractors are included in the standard bid document and the SoP. **See pg 127 of Standard bid document enclosed in Annexure 9 and pg 47 of SoP enclosed in Annexure 12**
19	The proponent shall maintain adequate green buffer around Integrated Solid Waste Management Facility and Common Hazardous Waste Treatment and Disposal facility By carrying proper assessment, but not less than 100 m width.	Compliance will be submitted during design and execution of the ISWMF.
20	The proponent shall ensure usage of fly ash for levelling / reclamation of low lying areas, road embankments, for raising platforms in	Incorporated in Zonal Regulations, **See Annexure 7.** The usage of fly ash and its products in the constructions activities of interlinked projects

S. NO.	EC CONDITION	COMPLIANCE STATUS
	inundated areas, and usage of fly ash based products for construction purpose including fly ash bricks, PPC cement, Concrete etc., in compliance with Fly Ash Notification issued by the MoEF under Environment (Protection) Act. The proponent shall incorporate usage of fly ash by construction agencies in the Bye-laws.	is already under practice. AAC blocks are considered in the building project. **See pg 23-25 of 184 in BoQ of a building project in AGC area enclosed in Annexure 2.**

ECOLOGY

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	A list of all existing water bodies (including ponds, tanks, drains, irrigating channels) falling in the proposed area, shall be prepared village wise with survey no., extent, use and other details duly certified by a competent authority and a certified map of these water bodies as on project commencement date should be kept as base map with the APCRDA & CA, and should be displayed on its web site;	A Notified Master plan depicting the water bodies is displayed in the APCRDA website.
2	All construction activities by the proponent should ensure that the activities do not alter or do not adversely affect the water bodies and their ecology;	Condition is already included in Bid document. **See pg 104, 117, 149 of the standard bid document enclosed in Annexure 9**
3	Improvement or rehabilitation of existing natural streams, channels / nallas shall be	The existing channels are being improved to make the city a flood resilient city.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	carried out without disturbing the ecological habitat.	All the streams will be developed with 30 m green buffer on both sides and 20 m green buffer both sides of gravity canal. The green buffer will be developed with nature based solutions and this will enhance the biodiversity and ecological functions in the area. The compliance will be submitted.
4	No untreated or treated wastewater shall be discharged in any of the water bodies including Krishna River under any circumstances.	All waste water will be treated and reused for various applications in the capital city. Zonal level STPs are planned to treat the entire city sewage and tenders will be notified. Building level STPs are functional in the exiting operation al buildings. In the interlinked projects under construction STPs are included. Suitable nature based solution will be developed for the in-situ treatment of the drainage released from the existing villages before draining it into the water bodies. Compliance will be submitted. Budget for the infrastructure upgradation in the existing villages has been sanctioned by the government and the works include water supply, storm water drains, sewerage, roads and street lighting. The infrastructure will be integrated with the city infrastructure.
5	The proponent shall create primary green spaces of 7200 Ha. Consisting of city parks, lake parks, town parks,	As per the master plan ~30% of the area is under Blue and Green spaces Some of the water bodies such

S. NO.	EC CONDITION	COMPLIANCE STATUS
	neighbourhood parks as committed. The proponent shall create primary green space of 3924.57 Ha in the 1st phase as committed.	as Thullur tank, Venkatapalem tank have already been developed with greenery and converted into public spaces. Development of water tanks in other villages will be taken up in phased manner. The ADCL which is an implementing agency of few capital city works is looking after greenery development in the capital city. **Proposed Greenery development details are enclosed in the Annexure 6.**
6	The proponent shall create and maintain secondary green space of 1910 Ha. Weave through the townships connecting the various town and neighbourhood parks acting as a passive recreation places, interactive jogging trails and Non Motorized Transport corridors across the city. The proponent shall create secondary green space of 510.04 Ha in the 1st phase as committed.	Secondary green spaces are provided in the LPS layouts and will be developed as part of LPS development works. The Avenue plantation are planned along LPS streets and arterial roads. **See pg 8 of LPS -BoQ enclosed in Annexure 17.** **See Annexure 6 for tree plantation proposed along trunk roads.** Further, buffer plantation along the canals will be developed. The total tree length will be 4000 km with varying widths of the roads and canals. Tree plantation during construction stage will be developed in the labour camps, in the existing villages. It is included in the ESMP/SoP as condition for the prevention of impacts due to construction works.
7	The proponent shall protect and conserve the existing	Existing Water bodies have been protected. 3 more reservoirs at

S. NO.	EC CONDITION	COMPLIANCE STATUS
	water bodies of 4815 Ha. In addition to creating new water bodies integrated with green spaces as committed.	Krishnayapalem, Neerukonda and Sakhamuru are being developed to store up to 0.53TMC of flood water. The areas around the water bodies will be developed with green spaces. Compliance will be submitted.
8	A buffer of 30m on either side of canals and streams; 50m around water bodies and 100m along the Krishna River Front shall be reserved as greenbelt without allowing any development. Plantation along the side of the roads and in the open spaces shall be developed to act as sinks of air pollutants.	It is proposed to develop the greenery all along the natural drains of Kondaveeti vaagu, Pala vaagu and gravity canal. All the streams will be developed with 30 m green buffer on both sides and 20 m green buffer both sides of gravity canal. The tenders of the works are being notified. Suitable species will be selected.
9	The proponent shall encourage urban agriculture to meet the city food requirements and reserve high value agriculture land wherever possible for this purpose as committed.	As per City Zoning Regulations, urban agriculture is not allowed. However, few of the Secondary green spaces/green spaces in the Universities/ Housing complex will be used for encouraging urban agriculture.
10	The proponent shall utilize natural features such as forest and hills to create regional green network as committed.	Actions taken in this regard will be submitted.
11	The proponent shall utilize reserve forest land of 251.814 hectares, after obtaining approval for diversion from competent authorities for development of green belt / eco friendly activities only.	The 251 hectares of the forest land will be preserved as green lungs and will not be diverted for non-forestry uses or even for uses like parks or recreational activities to preserve its natural characteristics.

S. NO.	EC CONDITION	COMPLIANCE STATUS
		The reserve forest is designated as P3 protected zone in the capital city master plan. (See sec 404.3 of Amaravati zoning regulations enclosed in Annexure 4) and the definition of P3 is given below. "P3 zoning districts have been established to conserve and protect the environmentally sensitive areas such as steep slopes and rivers which are rich in nature and biodiversity. These areas are non-developable for other strategic purposes. In the case of highly sensitive areas like forests and rivers the zoning for the protected areas shall supersede."
12	The proponent shall utilize treated sewage water for irrigation of primary and secondary green areas by laying pipeline network.	Dedicated reuse lines from the STP to the Avenues are part of the designs under the LPS works. The compliance will be submitted post execution of the works.
13	All archaeological, cultural and ecologically-sensitive areas (i.e. estuaries, mangroves, rocky shores, caves etc.) in and around the Amaravati capital city be adequately protected and conserved. The proponent shall take appropriate measures for protection of Undavalli caves. The proponent has to declare no development activity Zone of 100 to 300 mtrs around Undavalli caves as per ASI	100 m zone around the ASI site is protected. Further, the condition is incorporated in the Zoning Regulations.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	regulations.	
14	A comprehensive PRIMARY BASELINE DATA on the productivity of the Krishna River in the CRDA area (primary, secondary and tertiary productions), before and after Capital region development shall essentially be collected and processed in systematic and scientific way.	The work has been awarded to the firm VVN technologies. **See Annexure 13.** The inception report has been finalized, and the first round of seasonal data (July to September 2025) has been collected and report is submitted to APCRDA for review.
15	Development of the green belts, green corridors, avenue plantations etc., be made only with the native species with multiple uses, and the plantation should not affect the native species diversity and shall help enhance carbon stocks.	Greenery will be developed by selecting native species suitable to agro climatic zone of Guntur and Krishna district.
16	The proponent shall reserve most of the waterfront along the Krishna River for public use as committed.	The details of the Riverfront spaces reserved for public use will be submitted.
17	The proponent shall create 780 Ha recreational landscapes including Theme Parks, Golf Courts, Sports and Recreational Spaces.	The details will be submitted as and when planned and executed.
18	The proponent shall create green and blue network interconnecting all reservoirs, water bodies and green spines as committed.	Canals with green buffers, greenery around water bodies will be connected to the avenues on the street and the greenery on the hills and hillocks. Compliance will be submitted.
19	The proponent shall create	The details will be submitted as

S. NO.	EC CONDITION	COMPLIANCE STATUS
	network of water ways as committed to connect various eco tourism attractions on the cluster of islands in the river Krishna. These water ways have to inter connect Islands and mainland within the city.	and when planned and executed.
20	A major part of the development of the water bodies and green areas be completed before the end of the construction phase;	Actions are being initiated to develop water bodies and green areas. For details see **Annexure 6.**
21	All construction activities by the proponent should ensure that the activities do not adversely affect the water bodies and their ecology.	Conditions relevant to the protection of the water bodies are included in the bid document. See **pg 104, 117, 149 of the standard bid document enclosed in Annexure 9**
22	No natural water body shall be lined or no embankment shall be cemented except for protection and safety of the people in the surrounding area. The water bodies shall be kept in natural conditions without disturbing the ecological habitat.	The condition will be complied and if required only nature based solutions will be adopted and compliance will be submitted.
23	Improvement or rehabilitation of existing natural streams, channels / nallas shall be carried out without disturbing the ecological habitat.	Improvement of existing natural streams are being taken up only from flood management perspective and will be carried out without disturbing the ecological habitat.
24	Mitigation measures like providing adequate drainage, embankment consolidation and slope stabilization shall	The details of embankment consolidation and slope stabilization are given Annexure 14.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	be taken on the built up areas and along the city roads to avoid soil erosion. Top soils (30 cm) of the borrow pit sites shall be conserved and restored after completion of excavation. All the topsoil excavated during construction activities shall be stored for use in horticulture / landscape development within the project site. Proper erosion control and sediment control measures shall be adopted.	Top soil upto 30 cm depth and its preservation is mandated. **See pg 104 and 115 of the Standard bid document enclosed in Annexure 9.** **See pg 1 of LPS BoQ enclosed in Annexure 17.** Compliance will be submitted.
25	Recognizing the fact that the Capital City project is being proposed on the Green & Blue Concepts, as such to protect the environment, the 24.29% of the land allocation for greening and open spaces, be achieved at the Development zone wise as far as possible.	~ 30% of master plan area is dedicated for green and blue spaces.
26	Deep rooted large foliage plantation along the side of the roads and in the open spaces shall be developed to act as sinks of air pollutants.	It is proposed to develop plantation on road sides and open spaces with the deep rooted, large foliage sapling of trees. Native species will be planted to absorb air pollutants.

RESETTLEMENT AND REHABILITATION

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	The APCRDA & CA shall submit the specific plans for the inclusion of the existing habitations in the capital area development and submit the details of the Project Affected Families and the RR Plans to address the PAFs. As far as possible, Least Dislocation Principle be adopted;	The existing settlements are not disturbed. Negotiated settlement policy is being adopted and successfully implemented. Very few HHs will be affected due to road alignment passing near to the settlement and those affected will be provided land site and fund for house construction within the village periphery. **See chapter 2 of the resettlement policy framework document of APCRDA enclosed in Annexure 15.**
2	The proponent shall develop a peripheral area development plan and provide plans for the compensation of the loss of rural productivity like loss of grazing areas for the livestock dependent communities; vegetable growing farmers and sellers etc.	The landless labourers are being provided with an initial pension of Rs 2500 per month per family for a period 10 years and now (from 2024 onwards) it is increased to Rs 5000 and extended by another 5 years. Skill training programs are planned and actions taken will be reported. Further, it is envisaged to developed greenery in village peripheral areas with tree species and grasses required for the livestock. The actions taken will be reported.

DISASTER MANAGEMENT

S. NO.	EC CONDITION	COMPLIANCE STATUS

1	The proponent shall prepare and implement proper flood management plan to overcome threats posed by the KondaveetiVagu and its tributaries, Krishna River, heavy rains (more than 1000 mm) and cyclones.	Flood management works are being taken up as per the flood management DPR prepared by the TCE and the Arcadis. One in 100year 24 hr return rainfall is considered and further climate change aspects are also considered in the design of the flood mitigation works. Flood forecasting and monitoring center and infrastructure will be developed as per the city level disaster management and resilience plan. Tender process completed and LoA will be issued to the firms Tarutium Global consulting in JV with Geoclimate risk solutions Pvt.Ltd.
2	The proponent shall prepare earthquake response management plan by considering the location of the city in the class III seismic zone. The proponent shall incorporate structural design requirements of buildings for Seismic Zone – III in the Bye-Laws.	Necessary provisions are incorporated in the Amaravati city bye laws (AZR) Se Annexure 7. Further, it is submitted that Government complex buildings design have considered the seismic zone requirements.
3	The proponent shall create adequate infrastructure for emergency fire fighting.	
4	The proponent shall prepare emergency Health Management Plan.	

ENVIRONMENT MANAGEMENT DURING CONSTRUCTION PHASE

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	The proponent shall ensure safe and secure accommodation, clean drinking water, hygienic sanitation facilities like mobile toilets, community level gas supply, rest areas for female workers, nutrition development programme for workers at all construction sites for the projected work force of 5000 – 10000 spread in about 40 labour camps as committed in EIA report.	1. Contractors have been mandated to have onsite facilities/amenities as part of their contract. 2. Labour camps are ensured with adequate welfare and sanitary facilities, other basic amenities, safe working conditions on site, safe and secure accommodation required for the social development of the workers and all facilities are within the reach of the workers.
2	The proponent shall ensure following mitigation measures as committed, to minimize pollution problems during construction stage. • All the loose material either stacked or transported shall be provided with suitable covering such as tarpaulins etc. • Water sprinkling shall be done at the location where dust generation is anticipated. • Construction equipment be maintained and serviced regularly such that the gaseous emissions from these equipment are maintained within the design specifications. • Provision for insulating caps and aids at the exit of noise source on the machinery.	All these conditions are incorporated in the tender document. **See Annexure pg 101 to 130 in Standard bid document enclosed in Annexure 9.** The contractors of all the Amaravati Capital City Projects have been mandated to follow the conditions. The contractors will be monitored by project management consultant(PMC) with dedicated personnel for environment, safety. The contractors and PMCs are monitored by Program Management consultant (PgMC). PMCs and PgMC will ensure the compliance and report to the Environment Social Management Unit in APCRDA. Compliance will be submitted.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	• The use of dampening materials such as thin rubber/ lead sheet for wrapping the work places like compressors, generator, etc. • Inlet and outlet mufflers shall be provided. • Earmuffs shall be provided to workers and enforced to be used by the workers. • Noise prone activities shall be restricted to the extent possible during the night time, in order to have minimum environmental impact on the workers as well as on the neighbourhood.	
3	Groundwater should not be used for any activities during the construction phase also; and a policy for the use of water by different users in the project area be developed for their sustainable use and submitted.	Ground water usage for the construction activities is not allowed in the tender document. **See Annexure pg 104 & 117 in Standard bid document enclosed in Annexure 9.** Surface water from River Krishna will be supplied from the existing water supply lines laid by the APCRDA. Actions taken in this regard will be submitted.

ENVIRONMENT MANAGEMENT MONITORING SYSTEM

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	The responsibility of implementation of	As per the requirements of this condition Environment

	environmental safeguards rests fully on the project proponent. Project proponent shall establish an Environmental Management Regulatory Authority to carryout functions relating to environmental management under the supervision of a senior executive, directly reporting to the Project Proponent. It should have separate wings for (a) Greenery and Ecological Management; (b) Sewage Management; (c) Solid Waste Management; (d) Fly Ash Utilisation and (e) Pollution Control, staffed by Scientists / Engineers and supported by established laboratories and adequate supporting staff.	Management Regulatory Authority has been constituted under the chairmanship of Additional commissioner, APCRDA to carry out functions relating to environmental management. Now, ESMU has been constituted vide G.O MS NO 112 of MA & UD (CRDA.2) dtd 29.10.2024. All the functions of the EMRA are under the purview of the ESMU**. See Annexure 16.** ESMU convenes on regular basis.

GENERAL CONDITIONS

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	Any change(s) in the scope of the project, shall require a fresh appraisal by the SEIAA. As the details of the Inter Linked Projects for the Government Complexes, Housing Complexes, Cultural Centers, Industrial / IT Park, Commercial Complexes, Education Institutions etc.	As per the EC condition, as per the provisions of EIA notification 2006 the APCRDA has obtained Separate environmental clearance for the following projects **1. Interim Government Complex vide Order no:** SEIAA/AP/GNT/CON/01/2016/18 dt: 09.02.2016. **2. Group-D Staff Housing project vide Order no:** SEIAA/AP/GNT/CON/09/2017/417 dt:12.10.2017. **3. Legislative Assembly Building Project** SEIAA/AP/GNT/CON/09/2017/418 dt: 12.10.2017. **4. MLA/MLC Housing Project** SEIAA/AP/GNT/CON/09/2017/419 dt:

S. NO.	EC CONDITION	COMPLIANCE STATUS
	have not been submitted with-respect to built-up area, excavation, water consumption, sewage generation, solid wastes generation, power requirement, pollution control arrangements, environmental safeguards, construction material etc. for construction and operation phases, the respective project proponents shall obtain separate Environmental Clearances for all the projects which falls under the schedule of Environment Impact Assessment Notification, 2006 from State Level Environmental Impact Assessment Authority, as per provisions of Environment Impact Assessment Notification 2006.	12.10.2017. **5. Gazetted Officers Housing Project** SEIAA/AP/GNT/CON/09/2017/422dt: 12.10.2017. **6. Secretariat Staff Housing Project** SEIAA/AP/GNT/CON/09/2017/423 dt: 12.10.2017. **7. AIS Officers Housing Project** SEIAA/AP/GNT/CON/09/2017/444 dt: 12.10.2017. **8. High Court Building Project** SEIAA//AP/GNT/CON/09/2017/420-322 dt: 17.05.2018. **9. HOD staff housing Project** SEIAA//AP/GNT/CON/09/2017/422–321 dt: 17.05.2018. **10. Infrastructure Sector Office Complex** SEIAA//AP/GNT/CON/05/2018/591–751 dt: 14-08-2018 **11. Industry Sector Office complex** SEIAA//AP/GNT/CON/05/2018/592 –752 dt: 14-08-2018 **12. Service Sector Office Complex** SEIAA/AP/GNT/CON/05/2018/593–750 dt: 14-08-2018 **13. Hon'ble CM office complex vide** SEIAA/AP/GNT/CON/05/2018/590-1393 dt: 27.11.2018 **14. Amaravati Happy Nest Project** SEIAA//AP/GNT/CON/10/2018/700-338 dt 31.05.2019 **15. Bungalows** SEIAA/AP/INFRA2/EC/GU/04/2025/1334/261.19 & 261.13 dt 12.5.2025 **16. Project office and Judicial complex** SEIAA/AP/INFRA2/EC/GU/04/2025/1335/261.20 & 261.14 dt 12.5.2025
2	The proponent	Compliance will be submitted.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	shall incorporate penal provision in the byelaws/regulations for any violation of environmental issues. The proponent shall also create proper intuitional mechanism to ensure continual environmental awareness among all stakeholders.	
3	The proponent shall obtain consent from Andhra Pradesh Pollution Control Board.	Obtained CFE from APPCB vide Order no: 373/APPCB/CFE/RO-GNT/HO/2015 dt: 19.10.2015. CFE validity extension is issued with validity till 8.10.2026
4	The proponent shall strictly comply with Municipal solid waste (Management & Handling) Rules, the plastic manufacturer, sales & usage Rules, the Hazardous Waste (Management, Handling & Transboundary movement) Rules, Bio Medical Waste (Management and Handling) Rules, E-waste	Noted and actions taken will be reported.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	(Management & handling) Rules, the noise pollution (Regulation and Control) Rules, the Manufacture, Storage and Import of Hazardous Chemical Rules, Fly ash notification and standards notified by MoEF under Environment (Protection) Act, wherever applicable.	
5	The project proponent shall inform the public that the project has been accorded Environmental Clearance by SEIAA, AP and copies of clearance letters are available with the APPCB and may also be seen at website of SEIAA, AP at www.seiaa.ap.nic.in and at website of Ministry of Environment and Forest at http://envfor.nic.in. This shall be advertised within 7 days from the	Published in two local Newspapers one of which is vernacular languages dt: 16.10.2015 and forwarded the same to SEIAA, AP and MoEF & CC, Regional Office, Chennai.

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	date of issue of clearance letter, at least in 2 local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned and a copy of the same forwarded to SEIAA AP and Regional Office, MoEF& CC, Chennai.	
6	The proponent shall obtain all other mandatory clearances from respective departments.	Noted and it will be complied.
7	The project proponent shall submit / upload half yearly 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 MoEF& CC, its Regional Office, Chennai, SEIAA, AP, Zonal Office	Submitting and uploading half yearly reports on the status of compliance of the stipulated environmental clearance conditions. From 2016 onwards and till date, 5 compliance reports were submitted and uploaded the same in APCRDA website. During 2019 to 2024 as the works were halted, it was submitted to the MoEF, SEIAA, APPCB, CPCB that the next compliance will be submitted after 6 months from the commencement of the works. Works have commenced during June 2025. 1st and 2nd half yearly compliance report 2025 are submitted.

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	of Central Pollution Control Board, Bangalore and A.P. Pollution Control Board. The Regional Office of MoEF / APPCB / CPCB / SEIAA, AP shall monitor the stipulated conditions. The proponent shall upload the status of compliance of the environmental clearance, conditions including results of monitored data on their websites and shall update the same periodically.	
8	The environmental statement for each financial year ending 31st march in Form-V as mandated is to be submitted by the project proponent to the A.P. Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put	Reports are submitted.

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	on the website of the Proponent along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional office of the MoEF& CC, Chennai by e-mail.	
9	Concealing the 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.	Noted.
10	The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to	Noted.

S. NO.	EC CONDITION	COMPLIANCE STATUS
	alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	
11	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.	Noted.
12	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and	Noted.

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	rules.	

Amended EC conditions

S. NO.	EC CONDITION	COMPLIANCE STATUS
1	The project proponent shall conduct or cause to be conducted a comprehensive study on hydro geomorphology of the area with a view to effectively plan water retention ponds/reservoirs, storm water drains and their interconnectivity, so as to optimize water conservation, both surface and sub surface.	**The condition is complied.** Tender Process completed and the firm Blue Energy Build Pvt. Ltd, Hyderabad is the Lowest bidder and agreement was entered vide Agreement no. 1 /LSE/ENV/APCRDA/2025-26, dt 15.4.2025 with 3 months time for completion of studies. The study was commenced during April 2025 and final draft has been submitted by the consultant. **(see Annexure 19).** The final report of the Hydrogeomorphology, Aquifer geometry and Palaeoflood analysis study is submitted to the APPCB for circulation to the committees constituted by the Hon'ble NGT for review. **Water conservation measures in compliance to this direction have already been considered by APCRDA as per the EC condition:** In compliance to the directions, the measures that are already considered by the APCRDA area as follows: Hydrological studies were conducted by M/s Tata Consulting Engineers and M/s Arcadis for the flood management in Amaravati.

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		The Flood management studies integrated water retention ponds/ reservoirs with a capacity of 0.53 TMC, improvement of existing natural drains and creation of new canal – called gravity canal with a total length of 48 km etc The water in the Canals and Reservoirs will be retained using locks to serve the recreational needs except during the high flood discharge from the upper catchment, where the excess water is let into River Krishna or into Krishna Western delta Canal. Water retention in the canals and reservoirs of total capacity 0.53 TMC and in a length of 48 km of drains would substantially conserve water and enhance the groundwater recharge. Further, 30 m green buffer on both sides of the natural drains and with 20 m green buffer on both sides of gravity canal designated in the master plan will be developed. These Green buffers will reduce the sediment load in the natural drains, enhance the infiltration and recharge ground water. Treated wastewater reuse lines from the STPs are proposed along all the roads, for reuse applications. The treatment standards considered for BoD is 5mg/l to ensure reuse applications like for flushing, horticulture and other purposes. With the reuse lines, there will be a reduction of raw

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		water intake from the surface water body i.e. River Krishna. **See pg 10-13 which indicates the BoD included in BoQ, Bid Document enclosed in Annexure 5.** Further, it is to mention that the outcomes of studies hydrogeomorphology will be in GIS layers indicating potential water recharge zones, which will be superimposed with the master plan to regulate development and simultaneously plan for suitable recharge structures at plot level and zone level. Provision for Sustainable urban drainage systems(SUDS) are considered is included in the city development works which include the integration of the existing water bodies with the storm water network. ***Details of abstract estimate of one project work (land pooling scheme) works of zone 7 are enclosed in Annexure 1. The abstract indicates the STP including tertiary treatment, reuse lines, SUDS.***
2	Any alteration of the flood plains by construction of storm water drains, retention ponds and related development within the capital city should be done only after conducting a study.	**The Condition is complied.** In the NGT directions 17.11.2017, it is mentioned that the city area on the northern side of the bund is in the active flood plains and the southern side of the River Krishna is mentioned as passive flood plains where the city development is proposed.

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		It is already submitted to the Hon'ble NGT in the O.A. no. 171 of 2015, Appeal no. 148/2015 and other appeals, no development works will be done in the active flood plain. No alternations have been proposed in the active flood plains of the River Krishna. In the passive flood plains, i.e. southern side of the river bund in which city development is proposed, as per the Environment Clearance conditions, hydrological studies for the Kondaveeti vagu and its tributaries must be completed to plan location of detention ponds and reservoirs to achieve twin objectives – combat of inundation and utilization of water. In compliance to the Environment Clearance condition, hydrological studies were done by M/s Tata Consulting Engineers and M/s Arcadis and Flood management plan was prepared with detention ponds, improvement and strengthening of the existing Vagus/Canals, construction of additional gravity canal and pumping stations to discharge the flood waters into river to protect the city from the Kondaveeti vagu floods.
3	No alteration of the river or natural storm water morphology, flow pattern and location by way of straightening shall be	No alternations have been proposed either to the River Krishna or its natural storm water morphology, flow pattern and location.

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	permitted, as such alteration may result in increase of soil erosion, sediment transport due to raised velocity and decrease in ground water recharge which may reduce base flow during the dry season.	All the flood management works proposed are as per the flood management studies which is mandated as per the EC condition and the details of the flood management works, the flood studies report were explained to both committees of the Hon'ble NGT. Copies of the studies undertaken were also submitted.
4	No alteration to the pre-existing embankments if any should be permitted except as may be required for its strengthening for flood protection of the proposed Capital City. Even such exercise should be undertaken after detailed study of the flood pattern and hydraulics of the river or the storm water drains.	No alterations are proposed to existing River bund. As per the Environment clearance conditions measures shall be taken to strengthen the Krishna River Bund to minimize flood related issues. A detailed study on the flood pattern and hydraulics of the river will be undertaken and submitted prior to embankment strengthening works for flood protection.
5	All bulk generators of municipal solid waste in the proposed constructions, both residential and non-residential, must necessarily segregate waste at the source and process entire biodegradable waste by composting or biomethanation within the premises.	It is submitted that the condition is incorporated in the Zoning Regulations. **See Annexure 7.** The conditions are already included in the building permit orders. A sample order is attached along with the proceeding of the commissioner. **(Refer Annexure 10 – see conditions 21-29 in the sample permit order)** The Consent for Establishment has permitted the APCRDA to utilise the existing facilities in the region until permanent facilities are established in the

S. NO.	EC CONDITION	COMPLIANCE STATUS
		City. Currently, the entire city waste from the existing settlements (including waste from High court and Secretariat) is being to the Waste to Energy plant in Guntur. **See Annexure 18.** For all the interlinked building projects, onsite space for waste management is allocated and organic waste processing systems are proposed. Compliance will be submitted post execution of the projects. **See pg 163- 164 of BoQ of an interlinked building project in Amaravati government complex area enclosed in Annexure 2.**