

AMARAVATI PROJECT

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Andhra Pradesh Capital Region Development Authority

www.crda.ap.gov.in | https://amaravati.gov.in









Amaravati Capital City has successfully completed an eventful fourth year!!!

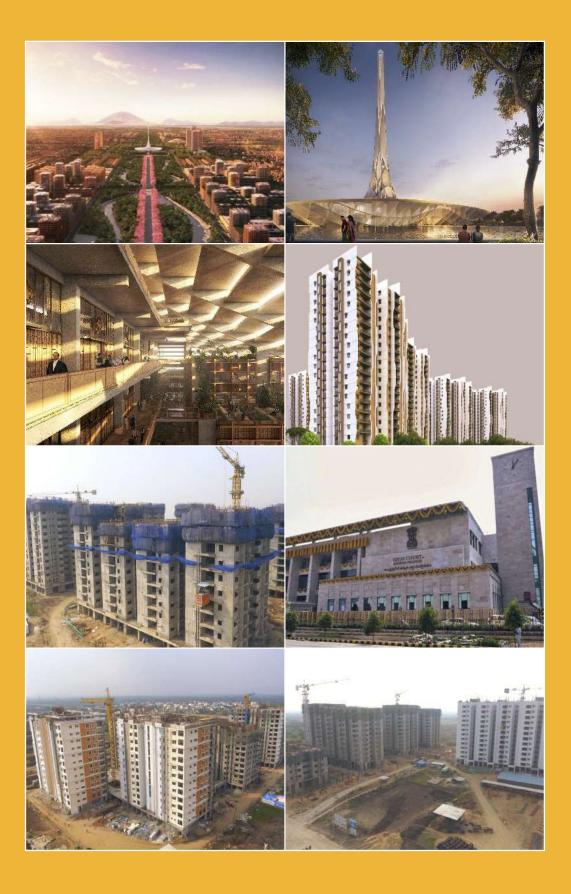
This progress report is in continuation to the earlier editions of the status report and presents the status of progress made so far in various projects and schemes as well as outlines the future plans for developing the 'People's Capital' in a smart and sustainable manner.

Having completed the allotment of returnable plots to about 26598 landowners covering over 62595 plots in over 11000 acres, this year's accomplishments include grounding and expediting towards completion of major projects under trunk as well as neighbourhood level infrastructure to trigger development across the capital city. Though the interim government complex has largely catered to the smooth functioning of government from Amaravati, the several key decisions and actions have been taken towards integrating the other HoDs & Government Institutions leading to finalization of designs and initiation of construction of Secretariat and HOD Towers. The vision to build iconic buildings reflecting the heritage, culture and modern aspirations have culminated in the form of impressive and functional designs from world renowned architects and the crucial phase of construction has been kickstarted the Legislative Assembly and High Court. In order to support smooth functioning of Judiciary in the state, an Interim High Court and Judicial Complex has been inaugurated in Amaravati in February 2019.

While the planning and construction works are in full swing, economic development activities have also been taken up aggressively. In the year 2018, APCRDA ventured into Public-Private-Partnership (PPP) mode for establishment of commercial & tourism infrastructure such as Hotels/Resorts, Convention Centres, Mall, etc. These PPP projects are also expected to usher steady revenue streams for APCRDA in the form of lease rentals and revenue shares. Some of the Projects Awarded under PPP include MICE Hub, Amaravati Marina, Convention Center and Amaravati Wellness Resort.

To cater to the needs of the public with growing demand for housing and world class infrastructure, APCRDA has undertaken to develop first-of-its-kind integrated residential development in Amaravati – The HappyNest. An innovative approach was designed for the sale of HappyNest Flats. An Exclusive website for Happynest was launched with an online booking mechanism with total transparency. The sale of Flats was launched in two phases (300 flats on 9th November 2018 and 900 flats on 10th December 2018) and entire sales / booking activity was undertaken through online and on first cum first serve basis.

In Summary, 2018 was the year in which Amaravati has started bringing its vision into reality, with significant progress achieved in construction and economic development. As various elements of the Smart, Integrated and Happy City continue to shape up together, focus will now be on developing the economy rapidly and setting up strong institutional and governance mechanisms for citizen services delivery, digital infrastructure and social development.







AREA COVERED UNDER CAPITAL REGION

8603_{km²}

AREA COVERED UNDER CAPITAL CITY

 217_{km^2}

AREA COVERED UNDER SEED AREA OF AMARAVATI

6.84_{km²}

NUMBER OF CONSENTED LAND OWNERS UNDER LPS

28181_{No's}



The combined state of Andhra Pradesh was bifurcated into State of Telangana and residuary State of Andhra Pradesh by the Andhra Pradesh Reorganization Act 2014, which declared 'Hyderabad' as the common capital for such period not exceeding ten years. As per the provisions of this Act, the apportionment of assets is based on geographical location, while the liabilities are apportioned on population ratio (58.32 per cent Andhra Pradesh; 41.68 per cent Telangana).² Considering that all the major assets are located in and around Hyderabad city, Andhra Pradesh has forfeited all major economic assets and inherited huge liability without having the wherewithal to service the debt.3 On the other hand, Hyderabad continued to contribute 52% of the Gross State Domestic Product (GSDP) of Telangana indicating concentration of economic activities in and around the capital city.⁴ The common capital Hyderabad being outside the geographical boundaries of Andhra Pradesh ensured greater hardship for the people of Andhra Pradesh in terms of administrative inconvenience, access to services of the Government. The first challenge faced by the newly elected peoples' Government in 2014 was the state's bifurcation, lack of capital city and huge financial burden resultant to bifurcation. It is imperative that Andhra Pradesh has to act swift in developing its own state capital to bring the governance to the doorsteps of the people, trigger economic development and achieve a sustained growth.

¹ Section 5, the Andhra Pradesh Reorganisation Act, 2014, Government of India.

² Part VI, the Andhra Pradesh Reorganisation Act, 2014, Government of India.

³ Para 15 of White Paper on The Impact of State Reorganisation, Government of AP.

⁴ Socio Economic Outlook 2017, Government of Telangana



2.2 LOCATION OF THE NEW CAPITAL

At the time of bifurcation, the Government of India constituted an expert committee which extensively studied the possible locations for new capital city for the state. In the survey conducted by the Committee, about 52% have favored the new capital city to be located around Vijayawada, Guntur region. The Government decided to locate the Capital City in a central place of the State, around Vijayawada, and to go for decentralized development of the State with 3 Mega Cities and 14 Smart Cities and to go for Land Pooling System (LPS) to be worked out by a Cabinet Sub Committee.⁵ The factors that favored the choice of location for new capital city after extensive consultations with experts and public organizations⁶ include public welfare, access to all, centrality to the state's geography, rail, road & airways connectivity, proximity to ports like Kakinada, Machilipatnam, availability of water, existing infrastructure to kick start the development, proximity to urban areas like Vijayawada and Guntur, apart from its cultural and political history of more than 2000 years.

The Government of Andhra Pradesh enacted the 'AP Capital Region Development Act 2014' and has formed AP Capital Region Development Authority (APCRDA) for the purposes of planning, coordination, execution, supervision, financing, funding and for promoting and securing the planned development of the capital region development area, undertaking the construction of the new capital region development area, undertaking the construction of the new capital for the state of Andhra Pradesh and for managing and supervising urban services in the new capital area and for matters ancillary thereto⁷. Under the provisions of this Act, the Government has notified an area of 217 Sq Km in Thullur, Tadepalli and Mangalagiri Mandals as the Capital City area⁸ and the capital city has been named as Amaravati.9

⁶ G.O MS No 254, MA&UD Department, GoAP dated 30.12.2014.

⁷ APCRDA Act 2014, Government of Andhra Pradesh

⁸ G.O MS No 141, MA&UD Department, GoAP, dated 09.06.2015.

⁹ G.O MS No 97, MA&UD Department, GoAP, dated 23,04,2015.

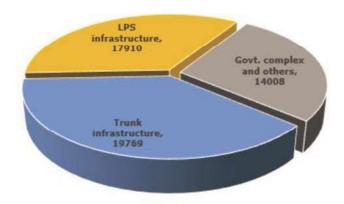


2.3 THE VISION OF AMARAVATI, DEVELOPMENT & FINANCING

Amaravati is envisioned to be not only as a government administrative city but also as an economic hub. The vision is to develop Amaravati as the global economic hub and emerge as global destination of people, investments, jobs endowed with world's best infrastructure. The land required for the development of Amaravati is procured under land pooling scheme under the APCRDAAct 2014, and acquired under LA&RRAct, 2013.

An initial estimation of the capital investment outlay required for various developmental works in Amaravati is about \$51,000 Cr (~ 7.1 billion USD) in 3 years as indicated below 10

Estimation of the capital investment (in crores)





The Government constituted AP Capital Region Development Authority for the purpose of Planning, Co-ordination, Execution, Supervision, Financing, Funding and for Promoting and Securing the Planned Development of the Capital Region and Capital City Area for the State of Andhra Pradesh and for managing and supervising urban services in the New Capital Area and for the matters ancillary thereto vide G.O.Ms. No. 255, MA & UD (M2) Dept., dt. 30-12-2014.



DATE	MINUTES
25-04-2018	AP CRDA achieved the HUDCO award under the New and Innovative town design solutions/Eco-cities category, and this award is received by Special Commissioner AP CRDA Shri V.Rama Manohara Rao in Delhi from Minister for Central Housing and Urban activities Shri Hardeep Sing Poori.
04-05-2018	Presentation by Hyper loop technologies representatives to officials of AP CRDA for the establishment of Hyper loop transportation system and proposals. In the initial stage from 5 to 10 kms distance as a pilot project Hyper loop transportation system is proposed to establish.



25-05-2018	APCRDA organized Investors' meet for mobilizing Rs. 2000 cr through Bonds. 80 people representing 30 organizations participated.					
31-05-2018	World Bank Team Visit to Venkatapalem, Thullur Mandal, Amaravati					
01-06-2018	World Bank Team Visit to Krishnayapalem in Amaravati					
07-06-2018	Joint Imlementation Steering Committee Meeting at Gateway Hotel, Vijayawada. Hon'ble CM and Singapore Minister S. Eswaran attended and discussed various aspects of development					
13-06-2018	Organized Rajadhani Developmers Conclave at AP Secretariat, Velagapudi in the presence of Ho'ble CM					
22-06-2018	Hon'ble CM laid foundation at Rayapudi for APNRT Iconic Towers construction					
22-06-2018	CRISIL A+ Rating for APCRDA Bonds					
23-06-2018	3 Skoch Awards to APCRDA-Skoch order of Merit, Block chain Technology for Land Records Keeping and Mana Amaravati App					
27-06-2018	Singapore minister for social and family development Desmond Lee and team visited Amaravati and Singapore Mission Team given presentation to officers					
27-06-2018	Indian Ambassadors to Astria (Renupal), Spain (D. Bala Venkatesh Varma), Vietnam (P. Haresh), Kuwait (K. Jeevasagar) had meeting with APCRDA Commissioner Dr. Sreedhar Cherukuri. Discussed on opportunities in Amaravati					
01-07-2018	APCRDA officials visit to Singapore to study Planning, Data Management Process					

05-07-2018	Visit of APCRDA officers Commissioner, Addl. Commissioner and other team to Singapore – World Cities Summit (8,9,10th of July)						
23-07-2018	World Bank team visit in Amaravati Capital from 23rd July,2018 to 26th July,2018.						
31-07-2018	AP CRDA Commissioner's team visit to London up to 04th Aug,2018 for discussions on detailed designs of Secretariat. Release of Rs.6 Crores for Attractive Amaravati. Singapore team visit on Medical services in Capital Area.						
09-08-2018	Andhra Pradesh State government issued Orders allowing AP CRDA to issue Amaravati-2018 Bonds worth Rs.2000 Crores. RFP notification issued related to land allocation for the Amaravati Star Hotels development.						
14-08-2018	Amaravati Bonds achieved Very good response from the institutional investors in bidding conducted on Mumbai Stock Exchange Electronic plot form, within an hour 1.53 times over subscribed. Rs.1300 crores worth bidding was targeted but processed bidding upto Rs2000 crores.						
16-08-2018	Commissioner Dr.Cherukuri Sreedhar got an Agreement in the presence of Chief Minister of Andhra Pradesh from the Business leaders Forum belongs to Dubai Country, which came forward to establish Golf Course on couple of islands in river Krishna.						
17-08-2018	Justice Suresh Kumar Kaite, Justice Seetarama Murty visited to observe the works going on in the construction of Judicial Complex in Amaravati govt. City. Commissioner AP CRDA has explained that there is an action for the operation of completing the construction before 15th of December, 2018.						



27-08-2018	CM participated in the programme of Amaravati- 2018 Bonds listing in Bombay Stock Exchange. As per the instructions of Collector, Orders issued by District registrar deleting prohibited lands from the list under registration Act(22A) in Capital City villages of Amaravati which facilitate 1700 plots for registration.					
30-08-2018	Mega Medical Health Camp conducted by Thullur AP CRDA.					
01-09-2018	Commissioner had Meeting AP CRDA office with experts on comprehensive traffic and transportation study in Amaravati Capital City/Region. Public notices were issued on environmental clearances for the projects to be constructed in Amaravati Capital City.					
16-09-2018	Inaguration of Kondaveeti vaagu pumping scheme by honourable CM at Undavalli. Tenders with an estimated cost of Rs.1096.62 for the infrastructure in Government complex area in Amaravati Capital.					
26-09-2018	Work-shop at Delhi on Sports city development strategy in Amaravati City.					
27-09-2018	AP CRDA commissioner Dr.Cherukuri Sreedhar visited the Amaravati stall established under Amaravati Smart and Sustainable city Corporation limited in Rajasthan at Jaipur from 26th to 28th .					
08-10-2018	Foundation for HCL in Gannavaram.					
11-10-2018	Aravind Mehta Secretary 15th finance commission observed the developemental works in Amaravati Capital.					
12-10-2018	Chairman N.K.Singh, 15th finance commission observed the developemental works in Amaravati Capital. Commissioner AP CRDA laid foundation stone in Indo-Japan joint co-operation for Human Future Pevilian in Amaravati Capital jurisdiction.					

	Appreciating the Andhra Pradesh Capital Region
26-10-2018	Development Authority (APCRDA) for issuing Amaravati Bonds, the Union Housing and Urban Affairs Ministry announced an incentive of Rs 26 crore under Atal Mission For Rejuvenation And Urban Transformation (AMRUT) scheme.
08-11-2018	Hon'ble CM asked CRDA official to prepare a plan for allotting plots Government employees in Amaravati
17-11-2018	Digital Payments Mela at Tummalapalli Kalakeshtram by APCRDA and Central Information Commission
03-12-2018	Workshop on Green Buildings
15-12-2018	Allotted houses built under Pradhan Mantri Awas Yojana (PMAY)-NTR Housing to the families in the capital region, who don't own a house to 1,383 beneficiaries by minister Prathipati Pulla Rao and Commissioner Sreedhar Cherukuri
16-12-2018	Amaravati 10k, 21k run from the APCRDA project office, Seed Access Road, near Rayapudi, on December 16
17-12-2018	Environmental clearance for GAD tower among HOD towers, Happynest project from central and state. Notification will be issued on 18th Dec 2018
27 - 12 - 2018	Hon'ble CM laid foundation stone for HOD tower2 raft foundation works of Amaravati Capital City
30-12-2018	HOD Tower 2 raft foundation works of Amaravati Capital City completed in 65 hours
01-01-2019	Training programme on Entrepreneurial Real Estate and Construction Management for farmers at APCRDA. 146 farmers selected for first phase and 50 farmers in first batch for a period of 4 weeks.
01-01-2019	Inauguration of AP new High Court at CM Camp Office, Justice Chagari Praveen Kumar was sworn in as the first Chief Justice of Andhra Pradesh post-bifurcation

04-01-2019	Amaravati Secretariat HOD tower-5 raft foundation works of Amaravati Capital City completed in 55 hours covering 11236 cubic meters, tower-2 foundation concrete works in 65 hours covering 10800 cubic meters, tower-3 raft foundation in 58 hours covering 10800 cubic meters
10-01-2019	In a significant development, Andhra Pradesh Chief Minister N Chandrababu Naidu laid foundation stone for Welcome Gallary works taken up as part of the construction of the capital city at Amaravati. The works were started on a sprawling 50 acres at the phase one Lingayapalem Startup area at the cost of Rs 44 crore.
12-01-2019	APCRDA Commissioner Dr. Sreedhar Cherukuri and team visit to UAE to study District Cooling System to implement in Amaravati
12-01-2019	Hon'ble CM laid foundation stone at Pavitra Sangamam, Ibrahim Patnam for Iconic Bridge connecting to Uddndarayunipalem
17-01-2019	Hon'ble CM laid foundation stone for XLRI institute at Inavolu, Thulluru Mandal
20-01-2019	High Court temporary CJ Justice Praveen Kumar visited the Judicial Complex construction works
23-01-2019	Capital City Farmers visit to Magar Patta as part of training started from Thullur
27-01-2019	Jio Amaravati Marathon on Seed Access Road, Amaravati
27-01-2019	Hon'ble CM inspected project construction works of Amaravati Capital
27-01-2019	Allotment of flats through lottery under PMAY-NTR Nagar scheme to EWS people in Amaravati Capital City by Minister P. Pulla Rao
28-01-2019	Foundation laying for the construction, "Bhukarshanam" was conducted with religious fervour by the at Venkatapalem
03-02-2019	Foundation for Iconic High Court Building, Inauguration of Judicial Complex, Supreme Court CJ Justice Ranjan Gogoi and othe judges attended
11-02-2019	Best Digital Payments adopter city award under Smart Cities Mission from MoHUA.





TOTAL GEOGRAPHICAL EXTENT

53,748

LAND TARGETED UNDER LPS

38,581

LAND CONSENTED UNDER LPS

35,215

LAND COVERED BY DEVELOPMENT AGREEMENT

34,094

RETURNABLE PLOTS ALLOTTED TO 26598 LANDOWNERS IN 89 LOTTORIES

62,595_{NO'S}

3.1 BACKGROUND

The Capital City area was identified by state government between Vijayawada and Guntur alongside the river Krishna, comprising 24 revenue villages and part of Tadepalli municipality of Guntur district covering an area of 53748 acres. The panchayats / revenue villages / habitations covered by the Capital city area are given below:

SI. No.	Mandal	SI. No.	Revenue Village	SI. No.	Habitation
1	Thullur	1	Abbarajupalem	1	Abbarajupalem
		2	Ananthavaram	2	Ananthavaram
		3	Ayinavolu	3	Ayinavolu
		4	Borupalem	4	Borupalem
		5	Dondapadu	5	Dondapadu
		6	Pitchikalapalem	6	Pitchikalapalem
		7	Rayapudi	7	Rayapudi
		8	Kondamarajupalem	8	Kondamarajupalem
		9	Lingayapalem	9	Lingayapalem
				10	Modugulankapalem
		10	Malkapuram	11	Malkapuram
		11	Mandadam	12	Mandadam
				13	Thallayapalem
		12	Nekkallu	14	Nekkallu
		13	Nelapadu	15	Nelapadu
		14	Sakhamuru	16	Sakhamuru
		15	Thullur	17	Thullur
		16	Uddandarayunipalem	18	Uddandarayunipalem
		17	Velagapudi	19	Velagapudi
		18	Venkatapalem	20	Venkatapalem
2	Mangalagiri	19	Kuragallu	21	Kuragallu
				22	Neerukonda
		20	Krishnayapalem	23	Krishnayapalem
		21	Nowlur	24	Nowlur
				25	Makkivaripeta
				26	Yerrabalem
				27	Bethapudi
				28	Bapujinagar
		22	Nidamarru	29	Nidamarru
3	Tadepalli	23	Penumaka	30	Penumaka
		24	Undavalli	31	Undavalli
		25	Tadepalli Municipality (Part)		Nulakapeta, Dolas Nagar etc.,

Table no. 2: List of Panchayats, Revenue villages and Habitations covered by capital city area.

3.2 LAND POOLING SCHEME (LPS)

The Government of Andhra Pradesh in exercise of powers conferred under Sub-Section-5 of Section-43 of Andhra Pradesh Capital Region Development Authority Act, 2014 directed the Andhra Pradesh Capital Region Development Authority (APCRDA) to undertake development scheme through Land Pooling Scheme in the Capital City area wherein the land parcels owned by individuals or group of owners are legally consolidated by transfer of ownership rights to the Authority, which later transfers the ownership of a part of land back to the landowners for undertaking development of such areas.

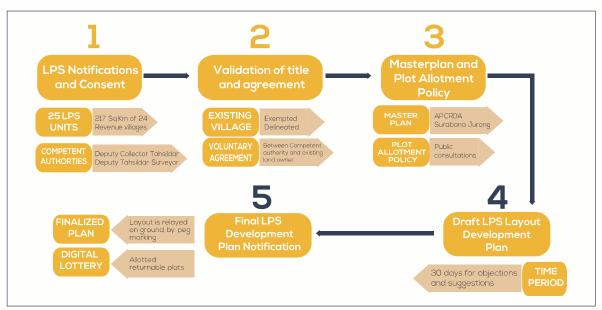


Figure no. 1: Land pooling scheme process.

The Land Pooling Scheme is an option and people can join voluntarily. If the land owner prefers compensation / R&R benefits under LAR&R Act, they are at liberty to opt for Land acquisition. Prior to implementation of LPS, consultations were held with various stakeholders and a guaranteed package is arrived at. During implementation, issues of Jareebu lands / semi-urban areas / assignment issues have come across and they were suitably addressed. Further, decisions were taken for demarcation of village sites / extended habitations after having consultations and reaching out a consensus. Consultations were also held during preparation of layout plans and finalizing the methodology of conduct of lottery and registration process. The exemption from capital gains tax arising out of first sale of returnable plots is resolved, because of suggestions from the consultations and approval for capital gain tax exemption is granted in the union budget of 2017–18.



In return for contributing their land, landowners participating in the LPS are entitled to a combination of benefits: (i) returnable plots of urban land within the Amaravati City perimeter; (ii) annuity payments for a period of ten years; and (iii) other benefits including waiver of agricultural loans, skill training, and interest free loans for setting up enterprises. The compensation in the form of returnable plots and annuity payments is described below:

• Returnable urban plots are allotted in and around the same village where landowners have given up their agricultural lands under LPS. Landowners can choose the type of returnable plot they will receive from a broad menu of residential and commercial land plot options. The process of selection and allotment of returnable plots to date involved multiple stages: (i) draft LPS layouts/maps prepared by the APCRDA showing the location of returnable plots were shared with all participants of the LPS. The plot allotment policy brochure was prepared in Telugu and included a section with frequently asked questions and answers; (ii) draft layouts were uploaded on the APCRDA website and notified in the district gazette; people were given 30 days to file objections and to provide suggested changes to the draft layouts; (iii) consultations on the proposed layouts were held in each village; (iv) suggestions were integrated by the APCRDA in the final layouts to the extent possible; (v) additional consultations were carried out by the APCRDA; (vi) final LPS layouts were prepared, notified for each village, displayed at the village panchayat office, uploaded to the APCRDA website, and notified in the district gazette; and (vii) LPS landowners were issued provisional certificates for their allotted returnable plots through an open, digital randomized (digital) allocation system (conducted in front of all landowners and other parties, including public representatives, electronic and print media). The issuance of provisional certificates for returnable plots constitutes an important milestone since it allows landowners to know the actual location of their returnable plots and to monitor the development of infrastructure in proximity to them. The APCRDA initiated the process of registration of the returned plots in March 2017 and as of 31st Jan, 2019, 30,341 registrations are completed. The registration process is ongoing.

· Annuity payments are a second component of the compensation package that landowners who have contributed their land to LPS will receive from the APCRDA. Annuity payments will continue for a period of ten years, and are proportional to the land that was contributed to the LPS. annuity amounts at the rate of INR 30000 / INR 50000 per acre is paid with 10% adjustment per year towards inflation. This amount is arrived at based on net crop loss per an acre of dry / Jareebu lands. This amount is estimated to be sufficient to maintain pre-project livelihood levels during the interim period of 10 years which is an estimated period to reap the benefits of returnable plots and other benefits as contemplated under Land Pooling Scheme. Minimum guarantee of payment of INR 30000 / INR 50000 is being provided for the marginal farmers having less than one acre of land. All other dependents upon agricultural land (i.e. landless agricultural labor) are being provided with pension at the rate of INR 2500 per month for a period of 10 years. The period of 10 years is estimated for the agricultural labor to adapt to non-agricultural income generating activities, like the provision of livelihood support under LAR&R Act, 2013 and will have access to the Social development schemes and additional livelihood schemes to be designed for the poor and vulnerable groups. Participating farmers began receiving annuity payments as part of their LPS benefits package in May 2015. Monthly pensions have also been distributed since May 2015 to agricultural laborers and tenant farmers who resided in the capital city area as of December 8, 2014.

The LPS package has undergone several enhancements indicating how the consultations have played a vital role in the scheme augmenting economic returns to the farmers.

			As per G.O.Ms.No.1, Dt: 01-01-2015			As per G.O.Ms.No.43, Dt: 09-03-2015			As per G.O.Ms.No.59, Dt: 20-03-2015				As per G.O.Ms.No.41, Dt: 17-02-2016				
	LAND (1)	Dry		Jareedu		Dry		Jareedu		Dry		Jareedu/Semi Urban		n Dry		Jareedu/Semi Urban	
		RES	сомм	RES	СОМ	MRES	сомм	RES	COM	M RES	сомм	RES	COM	MRES	сомм	RES	COM
A)	Patta	1000	200	1000	300	1000	200	1000	450	1000	200	1000	300	1000	250	1000	450
B)	Assigned	800	100	800	200	800	100	800	200	800	100	800	200				
i)	Ex-Serviceman / Political Sufferer (Except POT)									Revenue Villages Viz., Bethapudi, Navuluru,			1000	250	1000	450	
ii)	Assignments before 18-06-1954 (Except POT Cases)									Yerrabalem, Penumaka			1000	250	1000	450	
iii)	Assignments After 18-06-1954 (Except POT Cases)									as Semi-Urban		atea	800	100	800	200	
iv)	POT Resumed lands - Sivoijamadar occupation													500	50	500	100
v)	Un-Objectionable Govt. lands- Eligible Sivoijamadar													500	50	500	100
vi)	Objectionable Govt. lands - Eligible Sivoijamadar													250	0	250	0
C)	Yearlypayment of annuity for crop loss (Rs.) Except for b(iv) and (vi) categories above	300	000	500	000	30	000	50	000	30000 50000		30000		000	50000		
D)	Yearly increase (Rs.)	30	000	50	00	30	000	50	000	3000 5000		30	3000 5000		000		
E)	One time additional payment for gardens (INR 100000 /acre)		500	000			100	000			100	000			100	000	

Table no. 3: Land pooling scheme benefits at a glance.



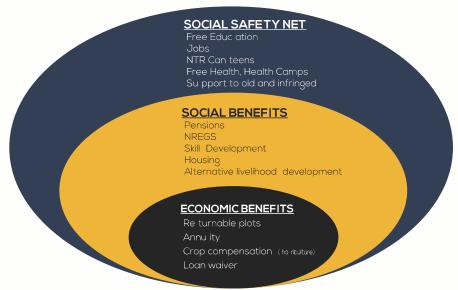


Figure no. 2: Social safety net.

SOCIAL SAFETY NET EXTENDED TO THE LPS LANDOWNERS / BENEFICIARIES

Other benefits that the APCRDA is extending to LPS participants include waiver of agricultural loans, interest free loans for self-employment, access to skill development training, access to employment under an Employment Guarantee program, free education and access to medical facilities. LPS participants have begun receiving these benefits: (i) a skill development institution was established in July 2016 and has trained more than 1650 people to date; (ii) more than 1425 got placed and 865 got directly recruited and others.

MINIMUM DISPLACEMENT

The guidelines issued by Central Government in the terms of reference while appointing expert committee includes the least possible dislocation of people and their habitations. The Government decided to demarcate village sites / habitations duly following procedures of Revenue Department and guaranteed to take up this responsibility under Rule-5(4) read with Schedule-III(1)(ii). Hence there is no displacement of any residential houses in construction of Capital City Development Project as far as possible.

LAND TRANSACTIONS ALLOWED ALL THROUGH

The Government has allowed the transactions on land during the LPS implementation, thereby providing economic freedom to the farmers to deal with their land, which is an economic asset.

The lands falling under acquisition within LA R&R, Act, 2013 shall also be included while preparing the development scheme as per Rule-9 of AP Capital City LPS (F&I) Rules, 2015. The Authority may acquire any movable or immovable property by purchase, exchange, gift, lease, mortgage, negotiated settlement as per Section-124 of APCRDA Act, 2014. Any land required in development plan shall be deemed to be the land needed for public purpose within the meaning of the LAR&R, Act, 2013 and may be acquired by the Government. In addition to LARR Act, the Land Pooling Scheme and Negotiated Settlement Policy will be applied in this project for acquiring the lands.

3.2.1 LPS STATUS

	Land (in acres)
Total Geographical Extent	53,748.00
Govt. Lands / Village Sites / Habitations	15,166.85
Target Under LPS / LA	38,581.15
9.3 Consent Extent	35,215
9.14 Agreement Extent	34,094
Consent Extent (%)	91
Agreement Extent (%)	88
Annuity (Crores)	604.62



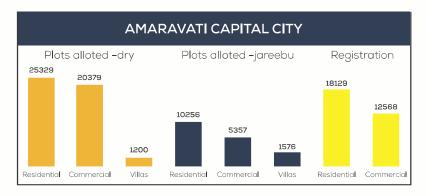


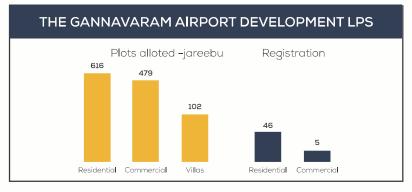
3.3 STATUS OF LAND POOLING DEVELOPMENT SCHEMES

AMARAVATI CAPITAL CITY								
Category	No. of Villages	Completed Villages	Pending Villages					
Draft Land Pooling Scheme	24	23	1- Undavalli					
Final Land Pooling Scheme	24	22	2 - Undavalli, Penumaka					
THE GA	NNAVARAN	1 AIRPORT	DEVELOPMENT LPS					
Draft Land Pooling Scheme	1	1						
Final Land Pooling Scheme	1	1						



STATUS OF RETURNABLE 3.4 PLOTS ALLOTTED & REGISTRATION









The required lands for public purpose are being acquired and would be part of Development Scheme.

Stage	No. of Revenue Villages	Extent	Remarks
SIA Notification	24/24	5533.48	
Final SIA	23/24		Except Nidamarru-1 & 2
Expert Group Meetings Completed	23/24		Except Nidamarru 1 & 2
11 (1) Preliminary Notification	23/24	2630.8030	Except Nidamarru 1&2 and Undavalli (Part)
19 (1) Declaration	22/24	2100.1723	Except Nidamarru, and Undavalli
Award	15/24	253.6076	Amount ₹ 70,95,46,949/-

Table no. 6 : Land acquisition status.





RECEIVING PENSIONS 21,480 FAMILIES

LOANWAIVED OFF 20,355 FAMILIES

ANNUITY PAID ₹605.68 CRORES

PATIENTS TREATED 2042 Nos under health scheme

SKILL DEVELOPMENT TRAINING 2266 NOS

SPENT ON SOCIAL DEVELOPMENT ₹535.14 CRORES

4.1 BACKGROUND

A comprehensive social security net is provided to the capital city inhabitants through the social development activities. In addition to the benefits offered as a part of LPS package additional benefits are extended to ensure livelihood support, enhancement of quality of life, provide new employment opportunities, access to health and educational facilities, food, promote entrepreneurial skills and opportunities, etc. Specific interventions in the areas of housing, old age homes, etc., are also taken up. These social development initiatives help the farmers, landowners, landless pensioners, particularly women and marginal farmers and other weaker sections in smoothly overcoming the transitional scenarios from agriculture to urbanisation. The social development initiatives are listed below:

- 1. Pensions: provide pension of two thousand five hundred rupees per month per family for a period of ten years to all landless families through a capital region social security fund.
- 2. Loan Waiver: to provide one-time agricultural loan waiver of up to one lakh fifty thousand rupees per family to farmers as per prescribed procedure of Government.
- 3. Housing:
 - To issue possession certificates in village sites in order to enable the occupants to regularize house sites.
 - To provide housing to houseless as well as those losing houses in the course of development.
- 4. Loans: to provide interest free loan of up to 25 lakhs to all the poor families for self-employment.
- 5. Education and Health: to provide free education and medical facilities to all those residing as on 8th December, 2014.
- 6. To establish old age homes.
- 7. To establish NTR canteens.
- 8. To enhance the limit under NREGA up to 365 days a year per family.
- To establish skill development institution and provide training with stipend to enhance the skills of cultivating tenants, agricultural laborers and other needy persons.
- 10. To engage tractors and machinery belonging to residents for construction activity.
- 11.. To issue ownership and transit permission through forest department for cutting and sale of teak trees in private lands duly exempting the relevant fees.

As part of the land pooling scheme, Government promised to providefollowing social benefits to all the residents of the Capital city residingas on 08.12.2014. The abstract of status of the social benefits is given below.

Benefit/Scheme	Indicator	Physical Progress	Financial Progress (Amount spent in Crores)
Annuity Payments	Number of land owners paid annuity (Nos)	28181 consenting land owners	605.68
Amaravati Pensions	Number of families receiving pension (Nos)	21,480 paid in Dec 2018.	228.48
Loan waiver	Number of farmers benefited (Nos)	20,355 farmers	88.67
NREGA works for 365 days	Number of job cardsissued (Nos) Number of Man	16,969 job cards issued 219250 man-days generated	5.85
	daysgenerated (Nos)	213230 Man-days generated	
Skill development training	Number of candidates trained & Placed	2266 members trained &	3.57
	Direct Placed (Nos)	1518 members Placed 896 members Direct Placed	
Free Health	Number of people screened in health camps (Nos) Persons Treated	4 Phases Mega health camps are conducted by Network hospitals. 6317 Screened and 896 referred. 2042 Persons treated Up to Dec 2018	0.23
Machinery engaged from locals	Number of machine hours engaged in capital city works	Local Tractors 129 and 9 JCB were engaged to clear 10994.86 acres of land	0.71
NTR Canteen	Number of canteens (Nos)	4 Canteens	2.13
	Number of beneficiaries (Nos)	708190 people served.	
Rs.25 lakhs interest free loans	Number of loans disbursed (Nos)	To be initiated	
Free Education	Number of students benefited under fee reimbursement (Nos)	08	0.0219
Housing to homeless	Number of houses sanctioned (Nos)	9884 applied. 7876 Sanctioned & 5024 units are in construction at 8 locations	150.72
Old age home	Number of inmates (Nos)	To be initiated	



FARMERS FIRST TRAINING PROGRAMME



The Land poling scheme of the Capital City of Amaravati is under final phase with the commencement of the process of LPOC to farmers. The laying of infrastructure is underway and construction, economic development of the capital city has commenced. Several prestigious projects Judical Complex, SRM Amaravati university, VIT Amaravati and IGC have started operations.

Once the registration of Farmers returnable plots is completed the Capital construction along with the development of the Capital City commences. In this process the transformation of the Amaravati from a Rural Agrarian Society to Service Sector oriented Urban Society starts.

Now, There is an urgent need to protect and provide a smooth passage of maximising the returns of plots, realising the opportunities arising out of Capital Construction, integrating into the new service sector to the farmers, Tenant farmers, Artisan community people, Youth, and Rural agrarian based wage seekers and integrate them into the prospective Modern and urban economy. For a true and spirited complete development of the LPS to the Farmers who have bestowed their TRUST on the Government, we have to handhold the Farmers and other residents of the Capital City in this process of total change in the economy, society and life as a whole.

As part of this Farmers First initiative APCRDA has announced 4 weeks training programme to 300 farmers on Entrepreneurial Real Estate and Construction Management. 146 Farmers identified among the 166 farmers applied.

First batch of training with 47 farmers commenced from 01.01.2019.







VISIT OF FARMERS 7.1.2 4.4 STUDENTS TO AMARAVATI



The Government desired to showcase the development of the new Capital City Amaravati to the farmers, students and media for their better understanding of the development taking place in the Capital City. Accordingly, Government has issued permission vide GO Rt. No.1117, MA&UD(CRDA.2) Department dated 12.12.2018 for providing conveyance by engaging buses and boarding and refreshment arrangements and permit the District Collectors to sanction as per requirement besides involving district machinery and mobilize the people.

The APSRTC has been arranging special buses for the visit as per the indent placed by the District Collectors concerned. A Control Room has been functioning at Uddandarayuni Palem Village since 28.12.2018 and adequate staff are working round the clock

30 No. of Engineering staff have been engaged to follow the visitors and explain the salient features and developmental works that are taken up and under progress.

The visitors coming from various districts as per the schedule, will first alight at Foundation Stone laid in Uddandarayuni Palem village. The tour will starts from Experience Centre located at Uddandarayuni Palem and move towards Seed Access Road, MLA/MLC Housing Scheme, AIS housing quarters, Amaravati Secretariat and HOD buildings complex, Assembly, Judicial Complex, NGO, Group -D Officers quarters, ADC Roads under construction, IGC, VIT and return to Uddandarayuni Palem for lunch. After the lunch, as per the options, arrangements are made for the dsarshan of Goddess Kanakadurga temple at Vijayawada. So far 56417 people have visited to Capital City Amaravati from various districts.



4.5 FARMERS FIRST TO SINGAPORE FARMERS FIRST-PROGRAMME



To protect the benefits of farmers who have given consent under LPS, through best utilization of the retuned plots in the coming New Urban Economy of Amaravati City, realizing the opportunities arising out of capital construction, integrating them into the new service sector a dedicated Institution "Farmers First" is established . It works for the welfare of farmers and other allied section of the capital city.

As part of "Farmers First" programme, towards imparting Knowledge of Urban construction, economic opportunities of Urban economy to farmers, in the 11th and 12th Authority meetings vide resolution nos.154/2017 and it was decided to send 123 eligible farmers among the applied 153 farmers for Singapore trip in four batches with an estimated cost of Rs.87,71,000/-(eighty seven lakhs seventy one thousand only).

First batch with 34 farmers besides 3 officers involved in LPS visited Singapore from 31.10.2017 to 3.11.2017 and came back on 4.11.2017.

Second batch of farmers visited Singapore from 27th November 2017 to 1st December 2017.

Third batch of farmers visited Singapore from 18th Feb 2018 to 23rd Feb 2018





4.6 MANA AMARAVATI APP



APCRDA has come up with free and transparent mobile application by name "mana amaravati" in Android and Apple phones, ready with certain features which facilitates capital city farmers and other stake holders with some extra ordinary features. Some of the main features which are part of this mobile/web based application are mentioned below

"buy/sell", "development", "lease" functionalities of CRDA returnable plots in capital city villages through Aadhaar integration, thereby eliminating brokerage and bringing buyer and seller on a single platform in "Buy & Sell" service of "Farmers First" module.

- Checking all their plots with plot maps through single input of Aadhaar number with in "Know Your Plot Code" service of "Farmers First" module.
- Checking the ownership of their plots through GPS service physically by selecting "Location" in "Know Your Plot Code" service of "Farmers First" module.
- Social welfare programs adopted by APCRDA in capital city villages like "Amaravati Free Health", "Amaravati Free Education", "Skill Development (Training/Jobs)", "Annuity", "Pension" etc.
- Other features like Citizen Services, About CRDA, About Amaravati, Gallery, Happy Nest, Grievance, Videos, Social Media links, Master Plans, Layouts, Zonal Regulations, Online EC, Mee Bhoomi etc





PENSIONS

• Pension payments (Rs 2500/-) are being transferred through online transfer to the bank accounts (DBT) of beneficiaries

LOAN WAIVER

- Government has released the required funds directly to Rythu Sadhikara Samstha for onward payment to banks as per Government norms.
- Loan waiver is completed barring certain cases.
- A special grievance redressal cell at Amaravati Capital City office Tullur, is set up exclusively for Amaravati Capital city farmers.

HOUSING

- Housing to landless and house site less families are provided under PMAY scheme as well as Housing to families who lose houses for construction of infrastructure such as roads is provided.
- The Government vide GO.Ms.NO 213 dated 24.05.2017 has accorded administrative sanction with an estimated cost of Rs.349.13 Crores for construction of 5024 houses in the initial phase. Construction started and nearing completion at 8 Locations.
- As per the scheme 3783 beneficiaries paid their contribution and were allotted flats through lottery system.
- Facilitating bank loans to all these beneficiaries is in progress.



SKILL TRAINING AND ENTREPRENEURSHIP DEVELOPMENT (LOANS)

- APCRDA through its Nodal Agency Andhra Pradesh Skill Development Corporation (APSSDC) has been providing skill development training to the unemployed youth from the families currently
- APCRDA has established skill development institute by partnering with various reputed NGOs / private sector entities etc.
- Second phase training has been initiated in various domains such as Painting, Under Ground Cabling, Plumbing, General Supervisors, mobile technician, AC technicians, beautician, two wheeler motor mechanic, gardening etc.,
- Job melas are being conducted regularly.

HEALTH

- 2042 Persons treated Upto Dec 2018
- Screening camps are conducted in all the villages of capital city area.
- 4 levels of screening camps are conducted in each of the villages.
- Fist level Health Camps were conducted in Thullur (25-02-2016), Mandadam (28-02-2016) and in Nidamarru (06.03.2016).
- Second level Mega health camps was conducted on 4.11.2016 at Thulluru
- Third level Health camps are conducted at various places such as Thulluru on 21.04.2017 and Mandadam & Penumaka on 29.04.2017
- Fourth level Health camps are conducted at various places such as Thulluru on 30.08.2018, Mandadam on 04.10.2018 & Penumaka on 23.11.2018
- Government announced upgrading of Tullur PHC to a 30 bedded hospital.
- New PHC proposed at Mandadam village
- Amaravati Health Cards are distributed to the residents

EDUCATION

 The current policy of fee reimbursement of Government for weaker sections implemented by social welfare/BC welfare departments is proposed to be implemented for Amaravati capital city residents irrespective of income and community.



- It is also proposed to establish model schools and colleges in Amaravati city.
- For the year 2016-17 Total 66 Students are applied for Reimbursement of Tuition Fee 07 students are found eligible and paid an amount of Rs. 0.23 for fee Reimbursement.
- For the year 2017-18 only 1 new student other than previous year beneficiaries applied for Reimbursement of Tuition Fee and found eligible.
- For the year 2018-19 notification has to be issued.

ENGAGING MACHINERY

- An enumeration of all machinery available with residents of 29 villages is done through a household survey;
- 449 tractors and 24 JCBs are identified as part of the survey.
- The machinery like Tractors, JCBs etc., belonging to the residents of Capital city is given preference in the works of capital city.

OLD AGE HOMES

- NTR old age pensions are being paid to the needy old age people, who are the target group of old age homes.
- In the short term it is proposed to hire the services of existing old age homes being run by NGOs in Amaravati capital area.

NTR CANTEENS

- NTR canteens have been established in association with 'Akshya Patra' foundation to provide affordable meals @ rate of Rs 5 /-.
- There are Four NTR canteens at Velagapudi, IGC, Thullur and Yerrabalem.
- Common kitchen was established by HKM foundation with an investment of 2.5 crores of which CRDA contributed 35 Lakhs.

TEAK TREE CUTTING

- Collector issued orders to the Forest and Revenue officials to give cutting permissions to the Teak tree owners immediately after receiving any request.
- The details such as 'number of teak trees and their owners were identified in household survey.
- 3137 number of teak trees were permitted for cutting and transportation

Hon. C.M started NTR sujala in Venkataplem and Harischandrapuram villages









Job mela conducted in capital city





Mega Health camps conducted in capital city villages







First batch of farmers visited Singapore









 $Second\,batch\,of farmers\,visited\,Singapore$









PMAY - NTR Nagar



Distribution of health cards to people residing in capital city.









Opening of NTR canteen at Thullur









AREA 217 KM² OF AMARAVATI CAPITAL CITY

PROJECTED POPULATION BY 2050

3.5 Million

GDP BY 2050 35 Billion USD

PROJECTED EMPLOYMENT BY 2050

1.5 Million

BLUE-GREEN FOOT PRINT 30% AREA

TRUNK ROAD LENGTH 600 KM

CYCLETRACK 3200 KM

LENGTH OF RIVER FRONT > 20+ KM

 $5.1\,$ background



The bifurcation of the erstwhile state of Andhra Pradesh following the AP Re-Organization Act in 2014 and emergence of a state with no Capital City necessitated the urgency for comprehensive planning and development of a new state Capital with world-class infrastructure that would represent

people's vision and aspiration of a 'happy', 'liveable' and 'sustainable' city'. This would be facilitated by adopting a 'bottom-up participatory approach of planning and governance' and adopting the suitable model for land procurement and exercising Land Pooling Process option as an alternative to land acquisition.

The location of Capital City of Andhra Pradesh is selected after careful consideration of various



Figure no. 4 : Capital region concept plan

alternatives giving due importance to strategic location and other key parameters. The city now named as Amaravati lies between the two nodal urban centres of Vijayawada and Guntur in the Capital Region (8,600 sq. km) and is away from cyclone prone areas with low seismic risk.

The overwhelming support of 24,000 farmers who came together in India's largest-ever consensus-based land pooling of 33,000 acres in a very short span of under 60 days is a clear vindication of popular acceptance of the capital city location.



PRINCIPLES AND CONCEPTS ADOPTED IN PREPARATION OF MASTER PLAN

The Amaravati Capital city concept plan encompasses the following principles to develop a comprehensive city Master plan:

- 1. Site setting: Careful site selection based on its topography and position of nearby hills and water bodies. The Amaravati Capital city site has been carefully chosen within the Capital region due to its proximity to the river Krishna, the holy town of Amaravathi and existing Vijayawada city
- 2. Cardinal Axis (Orientation) City planning lays emphasis on aligning the primary roads and important city axes along the north south cardinal direction
- 3. Grid Pattern: The concept proposes development of the Amaravati Capital city in a rectangular grid.
- 4. North-east axis: The Amaravati Capital city concept suggests development of a north-eastern axis to welcome flow of positive energy into the new city.
- 5. Brahmastan-green hub planning, expresses the importance of a 'Brahmastan' (Silent Centre) as the centre of any space and proposes a central green hub within the Amaravati Capital city.
- 6. Modular Planning City planning recommends modular development of clusters such as neighbourhoods with central 'Brahmastan' central open space.
- 7. Growth Corridors The Concept plan for the Amaravati Capital city proposes 3 important axes which serve as potential corridors within the city.

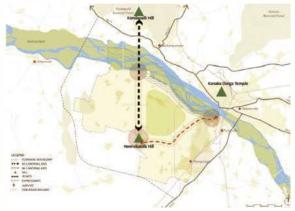


Figure no.5: Vastu consideration in master plan

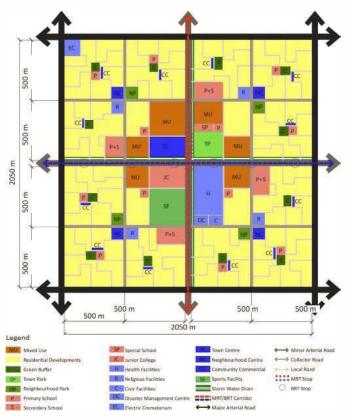


Figure no. 6: Concept structure showing three axis and three nodes

- i. Civic Axis: The Concept plan proposes an important North-South cardinal axis housing the state's civic core with administrative functions like the state assembly, government offices, etc
- ii. Recreation Axis: A north eastern axis is planned along the existing the Kondaveeti Vagu anchored on either side by the historic Kanaka Durga temple and Neerukonda hill. This axis will be developed as the city's recreational corridor.
- iii. Water Front Axis: The Concept plan also proposes an axis along the river front lying between the civic and recreational axis
- 8. Node Government Node Situated close to the waterfront in the north, this node in envisioned to be the vibrant commercial and civic heart of the city housing the state's new administrative core and city's CBD.

University Node The university node has been identified close to the Neerukonda hill located more centrally for easy connectivity and ample open spaces in its vicinity.

Tourism Node The tourism node is planned in the north-east at close proximity to the famous Undavalli caves housing a number of tourism and cultural activities.



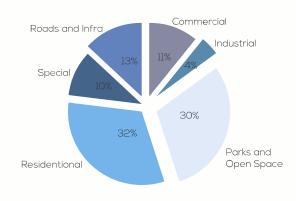


The concept proposes residential developments to be clusters into townships. Each township will be planned in accordance to the township model, designed using the strategy of hierarchical distribution of population, land uses, open spaces and infrastructure. The township model is guided by the following design principles:

Figure no. 7: Amaravati Capital city Township Model



5.2.2 CAPITAL CITY MASTER PLAN



Principles explained above are adopted in Preparation of Master Plan of capital City, Amaravati. The following zoning districts are proposed for the Capital city:

- Residential (R1, R2, R3, R4)
- Commercial (C1, C2, C3, C4, C5 and C6)
- Industrial (I1, I2, I3)
- Open Spaces and Recreation (P1, P2, P3)
- Institutional Facilities (S1, S2, S3)
- Infrastructure Reserve (U1, U2

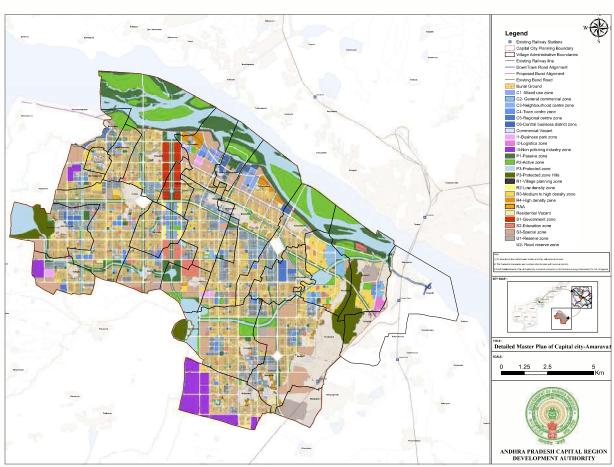


Figure no. 8: Capital city master plan.

The master plan will ensure conservation of existing settlements and create employment opportunities for the citys existing population, Village Planning Zone is shown as R1.



A CITY OF NINE THEME CITIES

The Concept plan proposes 9 themed development cities within the Capital city. These cities have been planned to accommodate complimentary functions. Each of these cities will be a hub of activities serving a unique function and employment generators within the Capital city .

- 1. Government City: Government City is planned along the north-south cardinal axis. Housing several government functions and residential areas the city covers a land area of about 1093 Ha encompassing medium to high density townships that support the government core.
- 2. Justice City: Planned south of the government city along the north south cardinal axis, the Justice city will house the various judiciary functions and their support facilities. The Justice city covers a land area of about 1339 Ha
- **3. Finance City:** The Finance city will be economic core within the iconic waterfront (CBD). Covering about 2091 Ha the finance city primarily houses commercial and mixed use developments



Figure no. 9: 9 City themes.

- **4. Knowledge City:** Knowledge city is planned south to the Justice and Finance cities. Housing a university campus, several colleges and knowledge park, the city covers a land area of about 3459 ha
- **5. Electronics City** Planned in the south, the Electronics City will thrive on the well-established IT and electronics industry in southern India. Covering a land area of 2663 ha
- **6. Health City** A dedicated Health city compliments the well distributed health facilities, Covering a land area of 2647 Ha.
- **7. Sports City** Planned along the north western riverfront, the sports city is aimed to be a dynamic waterfront attraction accommodating large stadiums, arena and event venues for international scale sports Events, covering a land area of 1679 Ha.
- **8. Media City** The Media and Cultural city is planned close to famous temple town of Anantavaram, covering a land area of 2067 Ha
- **9. Tourism City** The Tourism city is planned in proximity to the historic Undavalli caves along the river Krishna water front.



URBAN SUSTAINABILITY APPROACHES ADOPTED IN IMPLEMENTATION OF MASTER PLAN

The sustainable approach of planning is essential for optimal resource utilisation and management as well as addressing the critical issues like Climate Change, Energy Self-Sufficiency etc.

Following Six issues that need to be addressed in terms of Sustainability, are identified in preparation of Master plan.

The Amaravati Capital City, Goals and Strategies to achieve Vision are

- 1. World Class Infrastructure > 600 km of Road Network by 2050
- 2. Jobs and Homes for all- 3.55 Million Resident Population by 2050 and 1.5 Million Jobs by 2050
- 3. Clean and Green- > 30% area reserved for Green and Blue and > 20+ km Public River Waterfront
- 4. Quality Living- Parks and Public Facilities within 5-10 minute walking distance
- 5. Efficient Resource Management- Flood Resistant City Towards Net Zero Discharge
- 6. Identity & Heritage- Heritage and Tourism Network using Roads, Metro and Waterways

5.3.1 PROPOSED GREEN AND BLUE PLAN

The Blue Green plan creates interfaces between the green and blue creating different water themed

public spaces such as lake parks, waterfront corridor, linear parks, etc. 30 % of capital city area is reserved for Open space and Recreational Zone,

Primary green spaces: Primary green spaces including large city parks, lakes, town parks, neighbourhood parks, water bodies and public plazas form the foundation of the city scale recreational network that provides recreation opportunities and improves a sense of community.

Primary greens are planned along the existing canals and water bodies to serve as city's main ecological corridors. They play a dual role in flood management, and environmental conservation of the native species.



Figure no.10: Indicative locations of Reservoirs and canal network



Secondary green links: secondary greens weave through the townships connecting the various town and neighbourhood parks mostly aligned to the arterial roads. Planned as the secondary green fingers of the city, these greens act as passive recreational spaces, interactive jogging trails and non-motorized transport corridors across the city.

Recreational Landscapes: Recreational landscapes include theme parks, golf courses, sports and recreational spaces. These areas house active recreational facilities for the Capital cityWater bodies: Existing water bodies including rivers, canals and reservoirs have been carefully protected and integrated with the green spaces.

River Front

22 Km River Krishna waterfront is one of the key assets for the Amaravati Capital city. The riverfront will house the city's iconic civic core and central business district (CBD).

Tourism Plan

The tourism circuit plan, proposes a religious tourism circuit which connects all the important religious and cultural heritage sites to provide tourists with a well-connected tourism network. This circuit will further tap to the Capital region tourism circuit. The tourism circuit will be anchored with following key destinations

- · Amaravathi Temple and Budda Statue
- Ananthavaram Temple
- Neerukonda Hill
- Kondapalli Fort
- Undavalli Caves
- Mangalagiri Temple
- Kanakadurga Temple



Figure no.11 Proposed water engagement strategy



Figure no. 12: Proposed Religious Tourism Plan



Integrated Land use transportation planning with well-connected public Transportation is planned in Amaravati. A grid network is planned with 4 hierarchy of roads, the proposed bus priority routes/BRT and future Public Transportation (MRT) network run on the Sub arterial roads connecting all the town centres and commercial and recreational hubs.



Figure no.13: Transport plan for Amaravati capital city

Type of Roads	ROW(Mts)	Length in Km			
Seed Access Road	60	19			
Major Arterial Roads	60	44			
Arterial	50	107			
Sub Arterial	50	145			
Collector Roads	25	277			
LPS Roads	25/17/15.6/12	1100			

Table no. 8: Types of Roads.



Figure no.14 : Proposed Non Motorized Transport plan

Pedestrian Friendly City: Non-Motorized Transport plan

Dedicated non-motorized transport facilities are planned in the proposed road Network, it is important to implement proper non-motorised transport networks to ensure the safety of passengers and create environment friendly city transport system.

The NMT plan consists of two hierarchies - Primary hierarchy network connects nature areas with City parks (Nature parks, canal parks, City parks and recreational zones), The secondary hierarchy network consists of the neighbourhood parks and town parks.

These hierarchy routes are specially dedicated for pedestrians and cyclists.



Figure no.15 : Typical Road Zoning Sections

The ROW of proposed roads are not only planned for vehicles but planned dedicated spaces for both cyclists and pedestrians to promote walk to work. The key elements of street are Pedestrian Zone (Sidewalk), Non-Motorised Zone (Cycle Track), Multi-function zone, Motorised zone (Carriage way and Service zone).

Pedestrian Zone: The minimum width of a walking zone shall be 1.8 m, ensuring that a wheelchair and a walking person can both fit within any section of the zone.

Cycle-Pathway: The minimum width of an unidirectional, single bicycle lane shall be 2 meters and double bicycle lane shall be 2.5 meters.



5.3.3 PUBLIC FACILITIES

There is a holistic planning of Utilities and Public Facilities, Public facility provisions play a critical role in determining the quality of life within Amaravati Capital City. The public facilities within the Amaravati Capital city have been planned at 4 hierarchical levels, these include:



City Level | Regional Level | Township Level | Local/ Neighbourhood Level

	City / Regional Level	Township Level	Neighbourhood Level	
Educational Facilities	Technical Education Centre, Engineering College, Medical college, Other Professional College etc	Junior College	Primary School, Secondary School	
Health & Medical	General Hospital etc	Polyclinic, Multi- specialty Hospital	Health centre/ clinics/ Dispensary	
Civic & Community Institutions	Police, Civic Facilities etc	Fire Station, Police		
Parks & Open Space	City Level Park, Botanic Garden	Town Park	Neighbourhood Park	
Sports & Recreation	Sauare. Convention Centre.		Religious	
Commercial Facilities	Local Whole Sale Markets/ Mandis	Town Centre	Local Market	

Table no. 9: Planning of Utilities and Public Facilities in Amaravati capital city



5.4.1 BOTTOM UP APPROACH AND PUBLIC CONSULTATIONS

Continuous bottom up engagement process with landowners and citizens of Amaravati in day-to-day interactions through public consultation, participation and knowledge sharing workshop with respect to selection of the project site, land allocation through land pooling system, identifying the critical issues at the village level and thereby integrating them at the local level planning as well as the overall city level planning to achieve a sustainable ecology in the city development process.

5.4.2 SOCIAL INCLUSION

This would aim at achieving seamless integration of the neighbourhood level local community/ village planning unit with the broader city level unit through improved connectivity, mobility, communication system as well as promoting social integration and inclusive planning principles in terms of urban design guidelines, town planning concepts and zoning regulations that targets population of varied age groups as well as social class structure.



5.5 PLANNING OF RETURNABLE LAYOUTS AND PLOT ALLOTMENT

As discussed above, Land Pooling has two distinct phases -1. Procurement and compensation 2. Allotment and Development of Returnable Plots to the land pooling landowners.

About 95% of the residential area in the capital city is owned by landowners of returnable plots and to ensure transparent, efficient and acceptable allotment of returnable plots, a plot allotment policy was devised and approved by the government and the plots were returned through transparent electronic lottery conducted in the presence of landowners, village elders, public representatives, and other stakeholders. The below sections detail the plot allotment options, consultations including suggestions and objections, LPS timeline, abstract of returnable plot allotment.



Figure no. 16: Combinations for returnable plots

Landowners acceptance towards LPS development plans and lottery process

LPS Timeline: The LPS process was completed in a record breaking time of two years with highest quality control from the date of AP State formation.

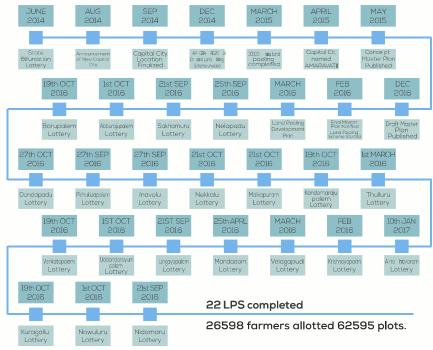


Figure no. 19: LPS Timeline

5.5.1 RETURNABLE PLOT STATEMENT

Details of Returnable Plots, both Residential & Commercial Village wise

Village Wise Returnable Plot Details		RESIDENTIAL		COMMERCIAL					
UNIT ID	VILLAGE	DRY	JAREEBU	TOTAL	DRY	JAREEBU	TOTAL	VILLA	TOTAL
UNIT-01	Krishnayapalem	979	358	1337	889	0	889	102	2328
UNIT-02	Nowlur-1	0	1893	1893	0	1529	1529	28	3450
UNIT-03	Nowlur-2	0	2041	2041	0	1680	1680	48	3769
UNIT-04	Kuragallu	3268	0	3268	2451	0	2451	81	5800
UNIT-06	Nidamarru	2213	0	2213	1786	0	1786	20	4019
UNIT-11	Abbarajupalem	481	273	754	575	20	595	41	1390
UNIT-11	Borupalem	360	136	496	351	0	351	20	867
UNIT-12	Dondapadu	289	0	289	225	0	225	9	523
UNIT-12	Pitchakalapalem	809	0	809	506	0	506	54	1369
UNIT-13	Inavolu	1309	0	1309	930	0	930	44	2283
UNIT-14	Rayapudi	942	1144	2086	1580	0	1580	136	3802
UNIT-15	Kondamarajupalem	498	269	767	568	0	568	53	1388
Unit-16	Lingayapalem	0	936	936	523	136	659	58	1653
Unit-16	Uddandarayunipalem	0	476	476	252	91	343	22	841
UNIT-16A	Malkapuram	415	11	426	323	0	323	22	771
UNIT-17	Nekkallu	1457	0	1457	963	0	963	78	2498
UNIT-18	Nelapadu	1136	0	1136	788	0	788	56	1980
UNIT-19	Sekhamuru	1759	0	1759	1223	0	1223	101	3083
UNIT-20	Thullur	3327	0	3327	2195	0	2195	210	5732
UNIT-22	Velagapudi	1640	254	1894	1113	189	1302	45	3241
UNIT-23	Venkatapalem	587	806	1393	445	630	1075	112	2580
UNIT-24	Mandadam	1483	1633	3116	1086	1203	2289	122	5527
UNIT-26	Ananthavaram	2210	0	2210	1379	0	1379	112	3701
	TOTAL	25162	10230	35392	20151	5478	25629	1576	62595



5.6 AMARAVATI GOVERNMENT COMPLEX - PLANNING & DESIGN

Amaravati Government Complex is envisioned to become the Nucleus of Cultural & Aspirational Symbolism and Identity for Amaravati Capital City and people of Andhra Pradesh at large.

Spread over about 1575 Acres, the Government Complex would essentially be the hub of State Administration and Governance. The area would house Iconic Civic Institutions of Legislature, High Court, Secretariat, Raj Bhavan and their related eco system. Housing for various Government functionaries – Chief Minister, Ministers, Members of Legislature, Judges, AIS Officers and other Govt employees – would also be provided in the Government Complex.

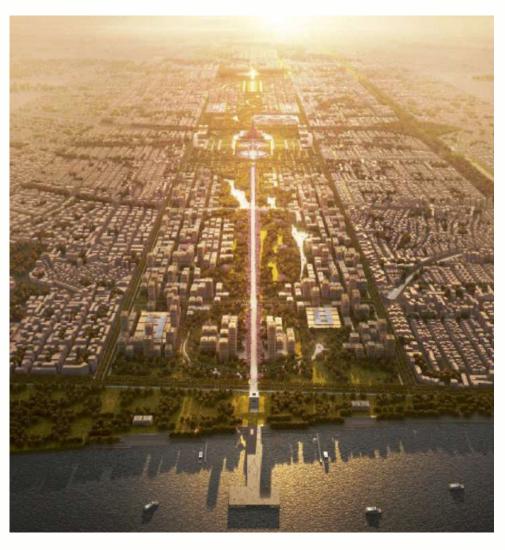
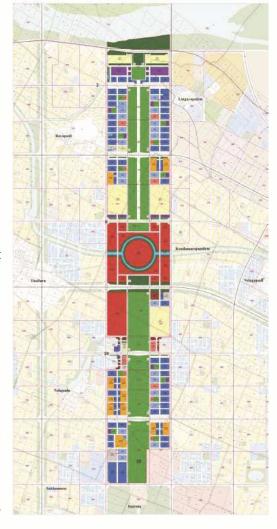


Figure no. 20: Conceptual master plan of Amaravati Govt. complex

Apart from State Govt
establishments, the Government
Complex would also have space
for Central Government
Institutions and an International
Diplomatic Enclave with various
International Organizations,
Consulates, Missions and Cultural
Centers.

A key aspect of the formulation of the Government Complex is to make it 'inviting and accessible' to people. Amaravati being the 'People's Capital', a significant part of Government Complex would have a contiguous network of public spaces and private Mixed uses for people. The idea is to have a symbiotic co-existence of 'People' and 'Government'. The major public spaces include the Riverfront, the Central Vista and the Capital Square, which would become places for people to come and interact with their Capital. Also. Mixed uses in the area -Residential, Offices, Recreational, Commercial, Cultural – would keep



The Government Complex would have a generous allocation of Green (Vegetation) and Blue (Water) spaces to create a pleasant ambience for 'People' and 'Government' to live, work and play.

- The site is aligned North South, and is 1km wide. It has Krishna river to the North and extends 6km south with a North South Ceremonial Axis as the Anchoring spine.
- Apart from the Krishna river forming the North edge for the Complex, Kondapalli hills to the North and Neerukonda hill to the South are significant Natural features which become points of reference for the Area at a Macro scale.

COMPONENTS OF AMARAVATI **5.6.1** GOVERNMENT COMPLEX:



5.6.2 DESIGN PRINCIPLES:

Density, Diversity and Balanced Mix of Uses

Embrace density, diversity and mix of uses, users, building types and public spaces. Creating resiliency and reducing the carbon footprint of urban development requires us to maximize the active use of space and land.

Walkability

The use of urban space and its buildings is grounded on how pedestrians experience space. Prioritizing pedestrian space use as a defining component of an urban design considers an urban environment's healthy quality of life.

• Promote Transit

Future urban growth can develop in a way that is transit supportive. After walking and cycling, transit is the most sustainable mode of transportation.

Place-Making

Focus on conserving, enhancing, and creating strong, vibrant places, which are a significant component of the capital's structure and of the community's identity. All successful cities include vibrant places, with a strong sense of identity, which are integral to community life and the public realm: parks, plazas, courtyards, government buildings, public streets, etc.

Connectivity and Mobility

Streets and pedestrian walkways must be enjoyable to walk, must link key destinations, and must operate at a fine scale.

· Integrated Natural Systems

Conserve and enhance the health of natural systems (including climate) and areas of environmental significance, and manage the impacts of climate change. Climate is, increasingly, a key driver to transforming our development patterns and living choices.

Identity

A capital city that can reflect the culture, history and future of the city.

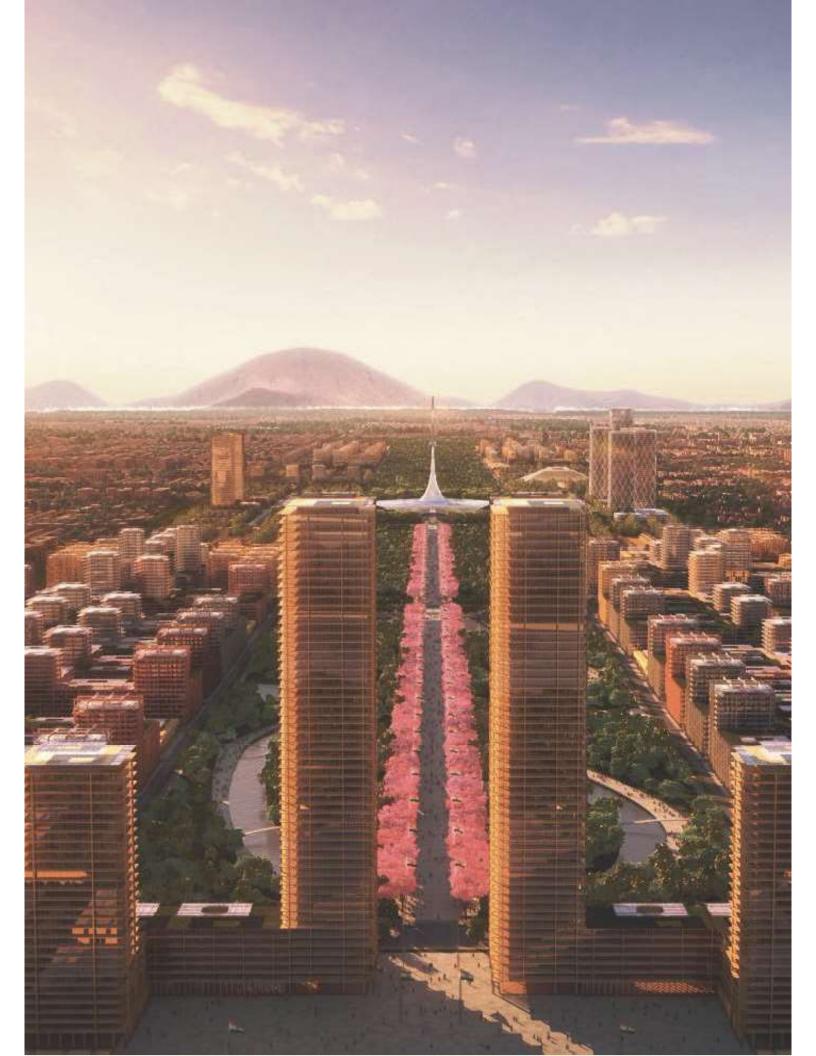
Redundant and Durable Life Safety and Critical Infrastructure Systems

Plan and design for redundancy and durability of the capital complex and the city as a whole life safety and critical infrastructure systems.

Resilient Operations

Developing building types and urban forms with reduced servicing cost, and reduced environmental footprints.







5.6.3 LEGISLATURE BUILDING:

The Legislature is the seat of governance for the State. The Legislature building consists of the Legislative Assembly, the Legislative Council, Central Hall and hosts several ancillary functions within the building. The most important function of the State Legislature is to act as the highest law-making body of the state.

The Iconic building is designed with an area of around 9 lakh sft with spire of height of around 250 metres at the top of building. It is set in the centre of Central park spread over 400 acres on the Ceremonial Axis of the Amaravati Government Complex Master Plan. It is designed to represent People and their aspirations. Apart from Legislature functions, Public/Tourists are also allowed to the core of the building thus giving prominence of Amaravati as People's Capital.





The High Court of Andhra Pradesh is the highest court of the Andhra Pradesh State and has been proposed to be developed within the Justice city south of the Amaravti Government Complex. The High court is proposed to be developed along with the ancillary supporting ecosystem that includes tribunals. The core of the High court is the Chief Justice's court room and other court rooms with exclusive access to the Chief Justice and all Judges.

The key components planned are Court Rooms, Judge's Chambers, administration – Registrar's offices and Sections, Advocate General's office, Bar council, Library etc. The building is designed with an area of about 12.5 lakh sft. in the form concentric squares with the inner most square being the core area and taking inspiration of Stupa which has historical significance and represent the heritage of the region.



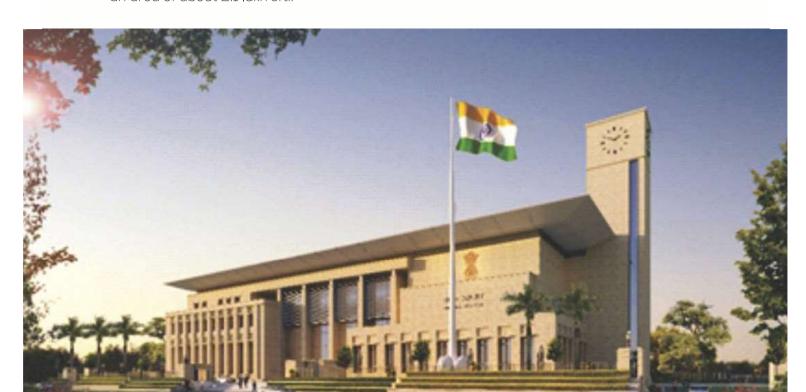


5.6.5 JUDICIAL COMPLEX:

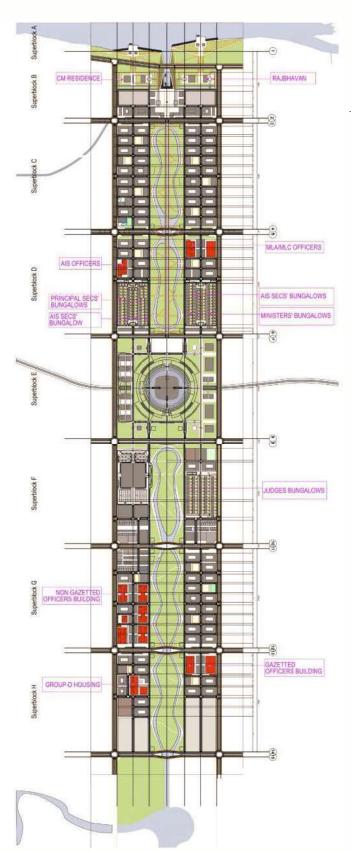
The Judiciary Complex of Andhra Pradesh is planned to accommodate the highest court of the state until the construction of permanent High Court is completed. It has been proposed to be developed within the Justice city south of the 'Permanent High Court' in Amaravati Government Complex. The 'Permanent High Court' is proposed to be developed along with the ancillary supporting ecosystem that includes tribunals, allied institutions etc. In future judiciary complex will be utilized for these ancillary supporting ecosystems.

The form of the building is planned in a way that it has the characteristics of monumental scale which is bold, solid, pronounces and it stands to be the House of Justice. Use of Sand Stone (Dholpur Stone) is also providing a bold and pronounced look. Various design elements of Judicial Complex is inspired by the ancient Buddhist architecture. The building's base stands for equanimity. Entry to the building from north side is defined by five monumental columns. These five columns represent the five elements of nature and inspired by the Torna (Entrance Gateway of Stupa). All the functional spaces around a courtyard are inspired by the vernacular style of house construction of Andhra Pradesh. Roof is designed in a way that it is acting as a distinct element which stands out bold. The fencing is being crafted with stone, metal and green which forms an enclosure to the structure.

The key components planned are Court Rooms, Judge's Chambers, administration – Registrar's offices and Sections, Advocate General's office, Advocate Association, Library etc. The building is designed with an area of about 2.1 lakh sft..



5.6.7 GOVERNMENT HOUSING:



Government complex includes housing for Government employees alongwith VIP housing enclave, CM Residence, Chief justice Residence and Rajbhavan (Governer's Residence)



MLA/MLC Apartments: MLA/MLC Apartments are 12 towers going 12 storied high with 2 apartments per floor. Each apartment is 3500 sqft unit. They are located in the super block D of Amaravati government complex.





Figure no. 26 : MLA/MLC Unit Plan

Als Apartments: Als Apartments are 6 towers going 12 storied high with 2 apartments per floor. Each unit 3500 sft. They are located in the super block D of Amaravati government complex.





Figure no. 28: AIS apartment Unit Plan

Gazetted officers type I apartments: Gazetted officers type I apartments are 4 towers going 12 storied high with 8 flats per floor. Each unit is 1800 sft. They are located in the super block H of Amaravati government complex.



Figure no. 30: AIS apartment Elevation



Figure no. 31: Gazetted officers type Apartments Site Plan

Non Gazetted officers apartments: Non Gazetted officers apartments are 21 towers going 12 storied high with 8 & 6 apartments per floor. Each unit is 1200 sft. They are located in the super block G of Amaravati government complex.



Figure no. 32: Gazetted officers type I Apartments Plan



Figure no. 33: Gazetted officers type Apartments Elevation

Group D apartments: Group apartments are 6 towers going 12 storied high with 10 apartments per floor. Each unit is 900 sqft. They are located in the super block H of Amaravati government complex.



Figure no. 34: Gazetted officers type II Apartments Site Plan



Bungalows:

A total number of 186 bungalows are designed as independent luxurious villas to serve four user categories:

- 1. **Judges** 36 units of duplexes, 6000 sq. ft. each, built on a site area of 2000 sq. yards
- **2. Ministers** 35 units of duplexes, 6000 sq. ft. each built on a site area of 2000 sq. yards
- **3. Principal Secretaries –** 25 units of duplexes, 5000 sq. ft. each built on a site area of 1500 sq. yards
- **4. Secretaries** 90 units of duplexes, 4000 sq. ft. each built on a site area of 1000 sq. yards

The bungalows are designed with expansive lawns and vast terrace spaces, keeping in mind the need for comfort along with climatic considerations.

Judges Bungalows







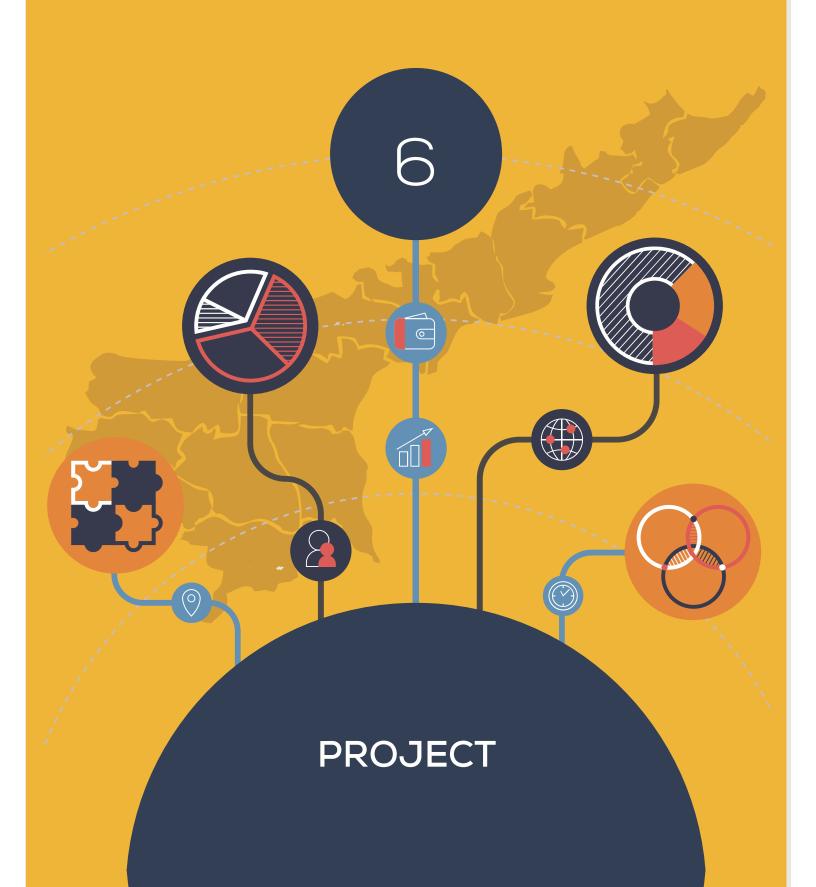


Principal Secretary Bungalows



Secretary Bungalows







INTERIM GOVERNMENT



- Though the AP Re-organization act 2014 provides for continuation of Hyderabad as the common state capital, the Government of AP has decided for public interest and in the interest of administration to shift the Governance from Hyderabad to Amaravati.
- Accordingly, an interim Interim Govt. Complex in Velagapudi, Amaravati has been constructed consisting of 6 blocks with an area of 6,00,000 sq.ft – within a record time of seven months and the same is operationalized by shifting the seat of governance to Amaravati.
- The total cost incurred in construction of the Interim Government Complex is 526.57 Crores. This amounts to Rs. 6070 per sq.ft inclusive of interiors and external infrastructure. Just the buildings costs only Rs. 2312.50 per sq.ft.
- About 6000 employees started functioning from October 2016 including all the Ministers, Secretaries and top officials.



6.1.1 AP LEGISLATURE BUILDING:

The Andhra Pradesh Legislature building is secluded from the other secretariat buildings as per its significance of functionality and Security.

6.1.2 STRUCTURE:

- Constructed Built Up area (G+1 floor) = 8369 sq.m
- The structure is designed for G+7 floors.
- The foundation of the structure is end bearing pile driven up to hard strata at 25 to 30m deep with 160 Piles supporting 108 Columns
- Massive pile of 900 &1200 dia considered for stability.
- Suspended slab proposed at ground floor level to avoid settlement.
- Double height column free, curvilinear space planned for Assembly & council hall with large span ie. 22 meters long roof beams.
- The area of Assembly Hall is 7532 Sq. Ft seating capacity for 231 members.
- The area of Council Hall is 4626 Sq.Ft with seating capacity for 90 members.

6.1.3 PROJECT TIMELINE:

AP Legislature Buildings started on 18th August 2016 and completed in 192 days for occupation.

6.1.7 PROJECT IMPORTANCE:

- The occupation of legislature employees has done Within 5 months of starting of the Buildings.
- In addition to Building services like electrification, HVAC ,Fire Fighting all
 Furniture for topmost officer to Section officer with storage facilities are provided
- All advanced facilities like Video conferencing halls, WI-FI, sensor based energy efficient lighting, Access control based entry system, IT, solar fencing with latest security arrangements etc. provided.
- In Technical rooms of Both Houses having 11 language translators are provided in built in Mikes.
- Audio and Video conferencing system facility is available in both the Houses.
- Both House proceedings can be heard by all the employees of the Legislature in addition to Public addressing system.
- In the first floor, a total of 52 rooms including galleries for both the houses, two committee meeting halls, Cabins

for Ministers, rooms for floor leaders, Joint & Deputy Secretaries rooms, 150 work stations for Secretariat staff of both Assembly and Council, Library, press and other services are provided.

- Parking for cabinet Ministers and above cadre is provided with in the premises and rest MLAs, MLCs, other staff & Visitors parking is provided out side the premises.
- The building has entrances on four directions and staircases on four corners for free movement and quick evacuation during emergency



Andhra Pradesh assembly Entrance





Interior of Andhra Pradesh Assembly



6.2.1 BACKGROUND:

The Government is the first anchor in Amaravati city's development. The entire administration has been shifted from Hyderabad to Velagapudi, Amaravati in 2016-17. All the HoDs also have been shifted from Hyderabad. For want of space, these HoDs are all scattered at present, in and around Amaravati. Though the Secretariat has started functioning from the Interim Government Complex at Velagapudi, there are no houses/government quarters available for about 2,500 employees working at the IGC. Many of them are either accommodated in Vijayawada/ Guntur/ Mangalagiri. This is a major inconvenience for the employees which in turn will effect the efficiency of the government working. Further as a part of development of Amaravati, one of the important aspects is to populate the city. Against this background and to help government employees and their households to relocate to Amaravati, there is an urgent need to construct sufficient number of government quarters. These quarters need to be built for all categories of officers and staff, i.e., All India Service officers, Gazetted officers, Non Gazetted officers and Class IV employees. At present, the Amaravati is in its initial phase of development, these government quarter complexes shall be developed with all necessary social infrastructure. The housing will be designed as per international standards and will feature smart-housing elements such as security and surveillance technology, and building management systems, including smart metering as well as highquality social infrastructure including schools, healthcare facilities, civic amenities and infrastructure.

During various review meetings conducted by the Hon'ble Chief Minister on Amaravati development, the APCRDA has been directed to propose the development of the employee quarters on immediate basis on behalf of the Government and through further discussions with various departments of Go AP including GAD, it is proposed to construct 4014 quarters including 3820 units of multi storied apartments and 194 bungalows for the senior officials.

After multiple discussions with stakeholders, the proposed area statement has been presented at the Hon'ble CM review meeting on 02.08.2017, along with comparison with other cities, and proposal by GAD. The final area statement incorporating the comments from the Hon'ble CM was presented during the Cabinet session on 03.08.2017. Inputs from the cabinet have been noted, and the same have been incorporated in to the final area statement.



- The final area statement and typical floor plans were then presented to Administrative Committee, (constituted by - G.O.Rt.No.339, Dated: 02.05.2017 to take up various decisions related to Amaravati Government Complex) on 08.08.2017. Inputs from the Administrative Committee have been incorporated into the final area statement and the typical floor plans designs.
- In this process and as per APCRDA Act 2014, M/s. Fosters & Partners, AHC (Hafez Contractors) consortium had been engaged as Master Architect for Preparation of Master Plan for Amaravati Government Complex area of about 1452 Acres. Wherein M/s. Arcop Associates private Limited has been appointed as Architect for Concept Planning, detailed design and preparation of DPR's of proposed Staff Housing in Amaravati government complex area.
- The Cost estimates have been prepared by M/S Arcop Associates which have been reviewed by Programme Management Consultant CH2M with their subject experts.
- During evaluation of tentative cost estimates for each of the zones/sectors/tower construction the Recommendations of APCRDA Advisor have been adopted for shear wall technology with Mivan shuttering for implementation to save time and budget for early completion of the project.



6.2.2 WORK PACKAGING:

There are six number of different Housing proposals for construction in Government multi storied apartment in Government Complex i.e., MLA, All India Service officers, Gazetted officers, Non Gazetted officers and Group-D employees.

The package was divided based on the following considerations

Location of Project site

Categories of Buildings

Average size of package was considered as 30 Lacs Sft , which will be economical to Contractor to Procure Shuttering material

The Following are the Packages

- 1) Package -1 MLA and AIS Officers
- 2) Package -2 Non Gazetted officers
- 3) Package -3 Gazetted officers type-1, Gazetted officers type-1 & Group-D

Pack- age No	Multi storey Apartments for	No of Towers	No of Units	Built Up Area Each flat Area (Sq. ft)	Total Built Up area including common area (Sq. ft)	Podium Area (Sq.ft)	Total Super Built Up area (Sq. ft)	Value (INR Cr.)
ı	MLA	12	288	3500	13,09,152	1,37,017	14,46,169	COE 01
	AIS Officers	6	144	3500	6,54,576	68,613	7,23,189	635.91
П	NGO	22	1968	1200	32,02,160	3,61,480	35,63,640	866.1
	GO Type I	8	384	1800	8,88,368	73,500	9,61,868	
Ш	GO Type - II	7	336	1500	6,75,220	64,843	7,40,063	707.44
	Class IV	6	720	900	8,88,732	1,33,417	10,22,149	
	Total	61	3840		76,18,208	8,38,870	84,57,078	2209.45

Table no. 9: The broad tentative cost estimates for each of the zones.



CONTRACT DETAILS OF 3 PACKAGES OF WORKS AT STAFF HOUSING AT AGC:

As per the packaging of the housing, tenders for each of the package were called for from various contractors on 18.08.2017, 23.08.2017 & 24.08.2017 respectively on e procurement platform. Four major contractors have participated in the bidding and the Offers received from each of the contractors for various packages is as below.

S. No.	Name of the Agency	Package No.	Amount Rs. Cr	Date of issue of LOA
EPC W	Vorks (Civil Bui	lding Work)		
1	NCC Ltd , Hyderabad	Package I MLA and AIS Housing	635.9	17.10.2017
2	Larsen & Toubro, Ltd	Package II NGO Housing	866.1	17.10.2017
3	SPCL Ltd	Package III Gazetted Type-I &II, Class D	707.4	17.10.2017
	Total (EPC W	'orks)	2209.4Cr.	

Table no. 10: Contractor details for staff housing.

The above three works have started and the same are under progress.









Housing projects Construction works nearing completion



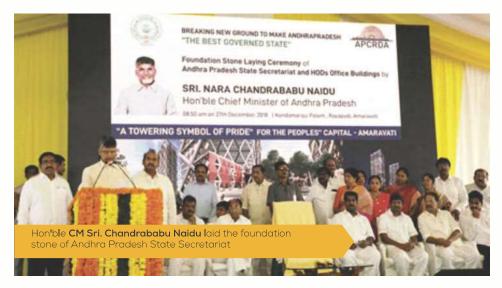




Housing projects Construction works nearing completion



6.3 GOVERNMENT COMPLEX



- Spread over about 1375 Acres, the Government Complex would essentially be the hub of State Administration and Governance. The area would house Iconic Civic Institutions of Legislature, High Court, Secretariat, Raj Bhavan and their related eco system. Housing for various Government functionaries Chief Minister, Ministers, Members of Legislature, Judges, AIS Officers and other Govt employees would also be provided in the Government Complex.
- A key aspect of the formulation of the Government Complex is to make it 'inviting and accessible' to people. Amaravati being the 'People's Capital', a significant part of Government Complex would have a contiguous network of public spaces and private Mixed uses for people. The major public spaces include the Riverfront, the Central Vista and the Capital Square, which would become places for people to come and interact with their Capital.
- M/s Fosters + Partners and consortium would be preparing the Master plan and Architectural designs for the buildings - High Court, Legislature and Integrated Secretariat complex.
- The Legislature Complex with a built up area (super structure) of about 12.16 lakh sq.ft, consists of the Assembly hall (300 members capacity), Council hall (100 members), Central hall (for joint sessions, multipurpose), along with the necessary support & administrative facilities, In tendering Stage





LEGISLATU	RE (STAGE-1)	HIGH COUF	रा
Plot area	- 100 Acres	Plot area	- 42 Acres
Built up area	-1.0 Million sq.ft	Built up area	-1.22Million sq.ft
Floors	- G+3 Floors. In addition a viewing	Floors	- G+7
	deck at 80 meter and Amaravati viewing tower with panaromic lift reaching 250 meter	Halls	a) Court Halls and Judge's chambers,b) Office of Advocate General,
Halls	a) Assembly hall for Legislature (250 people capacity) and Council hall (100 people capacity), b) C entral Hall c) Library+ Training Center, d) Administrative blocks for the Assembly and the Council e) Common facilities center f) Museum g) Viewing deck at 80 meter and panaromic lift raching 250 meter		c) Registrar General's office and other Registrar's offices, d) Advocates Block, e) Bar Council Block and f) Canteen Block along with many other ancillary establishmentsr
		Construction Type	Form finished concrete
		Parking	1200 cars
Construction		Contractor	M/s Shapoorji Pallonji Construction Pvt Ltd
Type	1 Offit III iis led Concrete	PMC	Jacobs-CH2M
Contractor	Under procurement	Contract valu (excl. taxes)	i e 732 crs
		Duration of the Project	24 months
		Start Date	29-Sep -2018



High Court Complex with a built up area of 16.5 lakh sft with 'Historical Buddhist Stupa Architecture' has been designed. The structure and foundation for this building has already been awarded for an amount of Rs. 819 Crores (incl tax). Foundation works In progress.

Secretariat & HOD Office Buildings Project: The Integrated Secretariat & HOD building is being designed with the Heads of Departments and Secretariat colocated in an integrated manner to bring efficiency of working. The GoAP envisaged to integrate the Govt. Secretariat and HoD Buildings (around 140 Departments) to enable better efficiency in workflow and better interaction between the Departments. Fosters+Partners, UK and consortium (Genesis Planners, Hyderabad) have been engaged as consultants for providing comprehensive architectural services for the project

.The total built up area of the project is 69 lakh sq.ft. The Office complex consists of 4 towers with 40 floors and the CM tower with Administrative and Regulatory Sector as the tallest on the southwest with 50 floors. The built-up area is around 54 lakh sq. ft and 15 lakh sq. ft for parking. The total site area is 41 acres. Each floor plate is 47mX47m.

We have opted for a new structural system Diagrid (peripheral frame) for the first time in India. This gives a column free space by supporting the structure on the perimeter which gives more freedom of space and flexibility. There are sports complex, medical care, restaurants, retail and conference halls and various other amenities which are considered in enhancing the productivity and liveability of the campus.

The overall budget for the Project is INR 4900 Crore inclusive of taxes out of which structure works have been awarded for INR 2271 Crore. Timeline for construction is 36 months starting July 2018. Tenders were called for selection of Contractors for construction of Structural Works on Design & Built Item Rate basis and 3 Contractors i.e., (1) M/s. Shapoorji & Pallonji & Co. Ltd, (2) M/s. L&T Limited (3) NCC Limited were awarded the contracts on 19th July 2018. The total contract value of all the 3 packages together was Rs. 2271,15,09,196.44.

Fosters+Partners, UK and consortium (Genesis Planners, Hyderabad) have been awarded the contract value of 112.58 Cr. Project management consultant Egis India consulting engineers pvt Itd have been awarded 19.32 Cr.

Construction Status:

Tower - 1 - Raft commenced on: 30-01-2019 & Complete by: 01.02.2019

- Tower 2 Raft completed date: 29-12-2018
- Tower 3 Raft completed date: 04-01-2019
- Tower 4 Raft will commence by: 03-02-2019
- Tower GAD Raft completed date: 05-01-2019



Hon'ble CM Sri. Chandrababu Naidu Iaid the foundation stone of Andhra Pradesh State Secretariat and HODs Administrative Complex at Amaravati (27–12–2018)





The raft foundation for the Secretariat and HODs Towers completed in a record time of 55 hours, 500 men and Officers worked in three shifts.





Description of	Sec & HOD - GAD	Sec & HOD -	Sec & HOD -	
Item	Tower	Tower 1& 2	Tower 3 & 4	
Plot Area	Total	Site Area i.e. 41 Acres		
Built up area		6.9 Million sq.ft.		
Towers/ Bungalows	1 Tower for Chief Ministers Office	2 Tower for Head of Department Office	2 Tower for Head of Department Office	
Floors (nos)	G+50 Floors	G+40 Floors	G+40 Floors	
Apartment/Flat s/Project Types	Secretariat and HoD Buildings integrate around 140 Departments to enable better efficiency in workflow and better interaction between the Departments. All Towers consist of office spaces (chambers, open office etc.), conference facilities and other office amenities and connected podiums consisting of common amenities for the staff. There is a spine which is an elevated foot bridge running across the whole campus which acts as a connecting link between all the buildings for efficient circulation and connectivity of the Employees in the complex.			
Technology	Diagrid structural system is adapted for this project. This gives a column free space by supporting the structure on the perimeter which gives more freedom of space and flexibility			
Parking (No. of Cars)	3400 Cars			
Contractor	M/s Nagarjuna Construction Company Ltd.	M/s Shapoorii Pallonii Construction Pvt Ltd	M/s Larsen & Toubro Ltd	
Project Management Consultant	EGIS	EGIS	EGIS	
Contract Value (excl. taxes)	554 Crores (for Stage 1)	932 Crores (for Stage 1)	785 Crores (for Stage 1)	
Duration	24 months (for Stage 1)	24 months (for Stage 1)	24 months (for Stage 1)	
Start Date	19-Jul-18 (for Stage 1)	19-Jul-18 (for Stage 1)	19-Jul-18 (for Stage 1)	
Expected Finish	18-Jul-20	18-Jul-20	18-Jul-20	
Date Actual Progress %	(for Stage 1) 7.0%	(for Stage 1) 5.0%	(for Stage 1) 5.0%	



6.4 JUDICIARY COMPLEX

The City Civil courts (Judiciary complex) is being planned in an area of 4 acres in the Justice city of Amaravati. The same will be approx. 2 lakh sq.ft. building, and will hold 19 court halls. The structures are being designed for G+5 whereas the building being constructed will be G+2. The same has been tendered out for an amount of Rs. 173 Crores (incl tax). Works in final stage of Completion, Inauguration of Complex on 3-Feb-19

JUDICIARY (COMPLEX
Plot area	- 4.02 Acres
Built up area	-2.53 Lakh sq.ft
Floors	- G+2
Chief Justice hall	-1
Court Halls	- 23
Construction Type	- Precast
Parking	350 cars
Contractor	M/s Larsen & Tourbo Ltd
PMC	CBRE
Contract value (excl. taxes)	- 157.38 Crs
Duration of the Project	17 months (Stage 1 & 2)
Start Date	- 13-June -2018 (Stage 1 & 2)
Inaugurated or	n-3, Feb, 2019









- The multi-storied apartments which includes structure and basic infrastructure for a total of 92 lakh sq.ft. over 3,888 units of apartment housing for MLA, AIS, NGO, GO and Class IV employees has been tendered out for Rs. 2472 crores (incl tax).
- Bungalows for Ministers, Judges, Principal Secretaries and Secretaries consisting of total 186 Nos Bungalows and basic infrastructure for a total of 12 lakh sq.ft. as been tendered out for Rs. 512 Crores (incl tax).
- All the housing taken up in the above three packages are under progress and proposed to be completed by August 2019.
- Total of 21 million sq.ft. of built up area is being constructed by the Government including the office and residential spaces.
- The designs for the Raj Bhavan, CM Bungalow are in the final stages of designing.



Housing projects construction progress



MLA/MLC HOUSING FEB 2019



MLA/MLC HOUSING SEP 2018



MLA/MLC HOUSING APR 2018



AIS HOUSING FEB 2019



AIS HOUSINGSEP 2018



ASI HOUSING APR 2018

MLA/MLC & AIS HOUSING

Plot area	- 15.65 Acres
Built up area	- 2.2 Million sq.ft
Towers	-18 MLA/MLC - 12 AIS - 6
Floors	- Stilt + 12 for each tower
Flats	- 432 No's MLA/MLC - 288 AIS - 144
Construction Type	- Aluminium form work
Parking	800 cars
Contractor	M/s Nagarjuna

Construction Company Ltd.

PMC CBRE

Contract value - 635.91 Crs (excl. taxes)

Duration of the Project

15 months

 Start Date
 - 13-Nov -2017

 Expected
 - 12-Sep-19

Expected - 12-Sep-1 finish date

Construction - 47.3% Progress

AIS HOUSING



6.5.2 NGO HOUSING

NGO HOUSING

Plot area - 4.02 Acres

Built up area

-2.53 Lakh sq.ft

Floors

- G+2

Chief Justice hall

Court Halls

-23

Construction Type

- Precast

Parking

350 cars

Contractor

M/s Larsen & Tourbo Ltd

PMC

CBRE

Contract value - 157.38 Crs (excl. taxes)

Duration

17 months (Stage 1 & 2)

of the Project

Start Date

- 13-June -2018 (Stage 1 & 2)

Expected finish date

- 8-Nov-19

Progress

Construction - 90% (Stage 1)



NGO HOUSING APR 2018



NGO HOUSING AUG 2018



GO TYPE-1, TYPE-2 6.5.3 & GROUP D HOUSING



GO HOUSING APR 2018

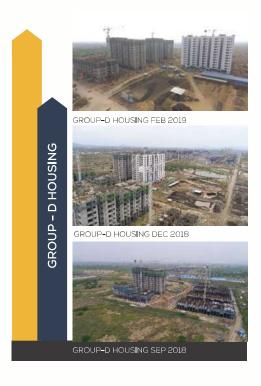


GO HOUSING AUG 2018

GO HOUSING DEC 2018

GO TYPE 1, T GROUP D HO	YPE 2 & DUSING
Plot area	- 4.02 Acres
Built up area	-2.53 Lakh sq.ft
Floors	- G+2
Chief Justice hall	-1
Court Halls	-23
Construction Type	- Precast
Parking	350 cars
Contractor	M/s Larsen & Tourbo Ltd
PMC	CBRE
Contract value (excl. taxes)	- 157.38 Crs
Duration of the Project	17 months (Stage 1 & 2)
Start Date	- 13-June -2018 (Stage 1 & 2)
Expected finish date	- 8-Nov-19
Construction Progress	- 90% (Stage 1)









BUNGALOW MINISTERS 8	S- À JUDGES
Plot area	- 4.02 Acres
Built up area	-2.53 Lakh sq.ft
Floors	- G+2
Chief Justice hall	-1
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Construction Type	- Precast
Parking	350 cars
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implementation of infrastructure in LPS Layouts

Background Government of Andhra Pradesh desires to develop Amaravati city (Peoples Capital) as a world class Capital City by providing smart roads comprising medians covered with green orchards, closed storm water drains and other infrastructure like drinking water supply including fire hydrants, Sewerage (UGD), Gas lines, Power& ICT Cables etc., to be placed in a duct run on either side of the well-built roads.

As per APCRDA Act 2014, infrastructure in the returnable layouts shall be provided within 3 years from the allotment of returnable plots. M/s. Aarvee & GIIC is engaged as Infrastructure Consultants for submission of inputs related to planning, designing and preparation of DPR for entire smart infra requirement of Capital City.

As a part of LPS, each of the beneficiary / participant of LPS are to be allotted, plots roughly equal to 25% of the land given by them. Development of these LPS layout is one of the key milestones in construction of Amaravati Capital city. Planning and design of Infrastructure for 17,000 acres of returnable plots under LPS is within the scope of Infrastructure Consultant along with assistance in tender notification for development purpose.

Development Scheme:

- · Road Development;
- Water Supply: Treatment & Distribution.
- Sewerage works Collection &Treatment
- Storm Water Drainage network;
- · Rain Water Harvesting;
- Electrical lines and Street lighting, Telecommunication lines located in exclusive ducts laid underground and
- Development of open spaces as Parks, Play Grounds and Avenue Plantation without obstructing pedestrian ways or road.

The overall sector wise scope of LPS Infrastructure and AGC Infrastructure are depicted below:

S No	Sector	Unit	Total Scope
1	Roads	Km	1,319
2	Sewerage network	Km	1,015
3	Storm Water Drains	Km	1,593
4	Reuse network	Km	2,476
5	Water Supply	Km	2,229
6	Power & ICT Duct	Km	17,831



EPC Contractors Scope include Investigation, Design and Construction of Roads, Drains, Water Supply, Sewerage, STP, utility Ducts for Power & ICT, Reuse waterline & Avenue Plantation compatible with trunk infrastructure in Layouts for Land Pooling Schemes for the respective zones awarded to them in Amaravati Capital City & performance based O&M of the infrastructure created for a period of 7 Years (including DLP of 2 Years) on EPC Mode.

The Cost summary of the all LPS Projects are as follows:

Zone	Total Cost of Project (INR Cr)
Zone 1	874
Zone 2	934
Zone 3	835
Zone 4	775
Zone 5	2,408
Zone 6	447
Zone 7	1,013
Zone 8	487
Zone 8A	990
Zone 9	3,408
Zone 10	1,191
Zone 11	850
Zone 12	2,136
Zone 12A	1,562

The list of Projects under execution are LPS Zones 1, 2 & 3 awarded in November 2017 and Zones 6, 7 & 10 awarded in February 2018. Zones 12 & 12A are about to awarded in Feb, 2019.

The Sector wise scope and progress status of LPS Zones under execution are provided below for ready reference.

LPS Zone 1:

EPC Contractors Scope include Investigation, Design and Construction of Roads, Drains, Water Supply, Sewerage, STP, utility Ducts for Power & ICT, Reuse waterline & Avenue Plantation compatible with trunk infrastructure in Layouts for Land Pooling Schemes for the respective zones awarded to them in Amaravati Capital City & performance based O&M of the infrastructure created for a period of 7 Years (including DLP of 2 Years) on EPC Mode.

The Cost summary of the all LPS Projects are as follows:

Project Title	Zone Area (in acres)	Population (in nos.)	Start Date	Expected Finish Date
LPS Zone 1	Zone - 2144.4 LPS - 1023.46	237030	16-Nov-2017	15-Nov-2020
Contrac	tor	РМС		РдМС
MEIL		Feedback Infra	Jacobs-CH2M	

Project Details and Progress Summary snapshot is provided below:

Description of Work	иом	Scope	Cum. Achieved
Road Excavation	KM	67.0	61.0
Embankment	KM	67.0	20.0
Subgrade	KM	67.0	2.0
Sewer Network	KM	54.0	13.4
Storm water drain	KM	126.3	9
Reuse Network	KM	124.7	-
Water Supply Network	KM	105.4	9
Power & ICT Network	KM	632.0	-

LPS Zone 2:

Project Title	Zone Area (in acres)	Population (in nos.)	Start Date	Expected Finish Date
LPS Zone 2	Zone - 2085.5 LPS - 1288.51	236704	16-Nov-2017	15-Nov-2020
Contrac	tor	PMC	3	PgMC
BSR		Egis	Jacobs-CH2M	

Project Details and Progress Summary snapshot is provided below:

Description of Work	ription of Work UOM		Cum. Achieved	
Road Excavation	KM	76.5	52.4	
Embankment	KM	76.5	22.4	
Subgrade	KM	76.5	-	
Sewer Network	KM	55.7	2.3	
Storm water drain	KM	144.1	-	
Reuse Network	KM	142.9	-	
Water Supply Network	KM	138.6	-	
Power & ICT Network	KM	783.2		

LPS Zone 3:

Project Title	Zone Area (in acres)	Population (in nos.)	Start Date	Expected Finish Date
LPS Zone 3	Zone – 2138.99 LPS – 1105.06	147017	16-Nov-2017	15-Nov-2020
Contrac	tor	РМС		PgMC
NCCL		Tractebel	Jacobs-CH2M	

Project Details and Progress Summary snapshot is provided below:

Description of Work	иом	Scope	Cum. Achieved	
Road Excavation	KM	64	48.0	
Embankment	KM	64	22.8	
Subgrade	KM	64		
Sewer Network	KM	61	4.5	
Storm water drain	KM	114		
Reuse Network	KM	114	1	
Water Supply Network	KM	97	1	
Power & ICT Network	KM	128	-	

LPS Zone 6:

Project Title Zone Area (in acres)		ect Title		Expected Finish Date
LPS Zone 6	Zone – 1768.72 LPS – 830.34	131968	01-Feb-2018	31-Jan-2021
Contrac	tor	РМС		РдМС
L&T		Egis	Jacobs-CH2M	

Project Details and Progress Summary snapshot is provided below:

Description of Work	scription of Work UOM		Cum. Achieved	
Road Excavation	KM	34.5	18.9	
Embankment	KM	34.5	0.6	
Subgrade	KM	34.5	0.3	
Sewer Network	KM	23.6	1.0	
Storm water drain	KM	78.0	-	
Reuse Network	KM	67.7	-	
Water Supply Network	KM	62.2	-	
Power & ICT Network	KM	350.6	-	

LPS Zone 7:

Project Title	Zone Area (in acres)	Population (in nos.)	Start Date	Expected Finish Date
LPS Zone 7	Zone - 2303.38 LPS - 1388.51	306544	01-Feb-2018	31-Jan-2021
Contrac	tor	РМС		PgMC
L&T		Eptisa	Jacobs-CH2M	

Project Details and Progress Summary snapshot is provided below:

Description of Work	on of Work UOM		Cum. Achieved	
Road Excavation	KM	75.0	28.8	
Embankment	KM	75.0	0.9	
Subgrade	KM	75.0	1	
Sewer Network	KM	54.4	0.4	
Storm water drain	KM	142.0	/ <u>-</u>	
Reuse Network	KM	148.5	(4	
Water Supply Network	KM	136.0	1/2	
Power & ICT Network	KM	807.2	12	

LPS Zone 10:

Project Title	Zone Area (in acres)	Population (in nos.)	Start Date	Expected Finish Date
LPS Zone 10	Zone - 2356.47 LPS - 1429.88	284659	01-Feb-2018	31-Jan-2021
Contrac	tor	РМС		PgMC
L&T		Surbana Jurong	Jacobs-CH2M	

Project Details and Progress Summary snapshot is provided below:

Description of Work	cription of Work UOM		Cum. Achieved	
Road Excavation	KM	94.4	43.4	
Embankment	KM	94.4	0.6	
Subgrade	KM	94.4	0.2	
Sewer Network	KM	71.2	0.3	
Storm water drain	KM	171.9	-	
Reuse Network	KM	181.3	-	
Water Supply Network	KM	168.6	-	
Power & ICT Network	KM	1,005.9	-	

Status of Balance LPS Zones and AGC Infra:

Project Name	Contract Type	Contract Amount (in Rs Crores)	Contractor	Status
AGC Infra	Design & Build Item Rate	1146.51	L&T	Work commenced on 04-Dec-18
LPS Zone 4	Design & Build Item Rate	622.87	BSR	Work commenced on 25-Jan-19
LPS Zone 5A	Design & Build Item Rate	599.53	MEIL	LOA issued
LPS Zone 5B	Design & Build Item Rate	399.46	MEIL	LOA issued
LPS Zone 5C	Design & Build Item Rate	472.84	MEIL	LOA issued
LPS Zone 5D	Design & Build Item Rate	417.78	MEIL	LOA issued
LPS Zone 9	Design & Build Item Rate	1636.72	MEIL	LOA issued
LPS Zone 9A	Design & Build Item Rate	1104.03	MEIL	LOA issued
LPS Zone 12	Design & Build Item Rate	1771.79	NCCL	LOA issued
LPS Zone 12A	Design & Build Item Rate	1281.08	L&T	LOA issued
LPS Zone 8A	Design & Build Item Rate	347.06	-	Under Procurement Stage

LPS Zone 1, 2, 3, 6, 7 & 10 - Project Progress Photos:





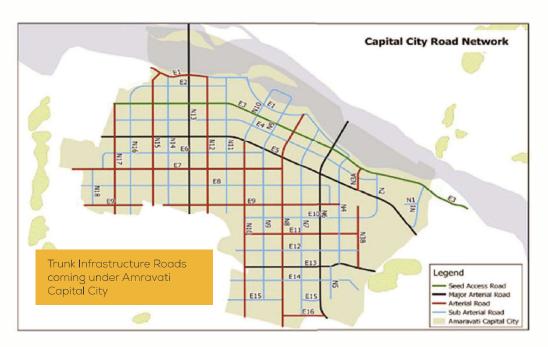






6.7 IMPLEMENTATION OF TRUNK INFRASTRUCTURE

The Amaravati Capital City involves a total area of 217 Sq. Km. Implementation of Tier 1/Trunk Infra is one of the key components for the success of Amaravati. Amaravati Development Corporation is the agency responsible for its implementation.



Overall Sector wise progress status of Trunk Infrastructure Projects are as follows:

S No	Description of Work	иом	Scope	Work Front Available	Cum. Achieved
1	Road Excavation	КМ	238.7	194.9	189.7
2	Embankment	KM	238.7	194.9	147.04
3	Bridges	Nos	36	100%	72%
4	Sewerage	км	111.2	97.5	15.44
5	Storm water drain	КМ	434.57	321.96	97.46
6	Water Supply	KM	132.49	120.23	16.71
7	Power Duct	KM	56.52	37.98	7.73

Also, find below the Project wise Progress Status for ready reference:

Package No.	Road Name	Road Length (Km)	LA (Km)	Agency	Total Project Cost Cr INR	Physical Progress of Works (%)
Seed Access Road	E3 Road	18.27	4.33	NCC	252	67.80%
I (Road)	E08 Road	14.95	0.45	NCC	319	34.61%
II (Road)	N9 Road	12.5	0.71	BSRIIL	252	50.74%
III (Road)	N04 , N 14 Road	15.44	2.12	BSCPLIL	312	35.15%
IV (Road)	E10 , E14 , N 16 Road	23.94	5.45	BSCPLIL	395	24.70%
V (Road)	E6 Road	9.85	1.57	NCC & RVR (JV)	322	10.66%
VI (Road)	E12 Road	6.791	0.6	NCC & RVR (JV)	265	5.79%
VII (Road)	N11 Road	8.657	0.52	NCC & RVR (JV)	327	12.88%
VIII (Utilities)	E10, E14, N 16	12	-	MEIL	550	12.80%
I tX (Utilities)	N 4, N9, N 14 (Utilities)	-		BSRIIL	759	24.06%
X (Utilities)	E6 , E8, E 12, N 11 (Utilities)	1=1		NCC	685	15.58%
XI (Roads & Utilities)	E2, E4, N7 Road (Road & Utilities)	32.737	4.237	L&T	1,502	21.35%
XII (Roads & Utilities)	E7 , E9, E 11 , N3A, N3B Road (Road & Utilities)	36.705	7.02	MEIL	1,429	24.00%
XIII (Roads & Utilities)	N8 , N 10 Road (Roads & Utilities)	30.171	4.58	NCC	1,436	13.50%
XIV (Roads & Utilities)	E16 , N 12, N 15, N 17 Road (Roads & Utilities)	28.69	5.473	NCC	1,301	15.07%
xv	E03 & WSIS	13.96	g.	NCC	1,571	8.77%

Packag e No.	Road Name	Road Leng th (Km)	LA (Km)	Agency	Total Project Cost Cr INR	Physical Progress of Works (%)
XVI	Iconic Bridge	3.20		L&T	1,387	5.00%
XVII	(i) E13 (excluding the Elevated Corridor), N1, N2, N5, N18 and E15 Roads and (ii) Utilities in the green buffer of N6 Road	3 8			791.67	
XVIII	N13 and E5 Roads (Package XVIII) (excluding the Elevated Corridor)				715.74	
XIX	Flood Mitigation Works: Kondaveeti Vagu and Pala Vagu				299.61	
xx	Flood Mitigation Works: Gravity Canal and Krishnayapalem Reservoir				248.20	
XXI	Flood Mitigation Works: Neerukonda Reservoir	S 8			399.99	

Project management consultancy / Authority engineer:

Package No.	PMC/Authority Engineer
Seed Access Road	Feedback Ventures pyt. Ltd
Package I to VII	Lea Associates South Asia Pvt. Ltd
Package VIII to X	EPTISA
Package XI to XII	ISAN
Package XIII to XIV	EPTISA
Package XV	Lea Associates South Asia Pvt. Ltd
Package XVI	YUKSEL with AECOM
Package XIX to XXI	TUV SUD South Asia





₹1,09,000 Cr

ESTIMATED EXPENDITURE OVER NEXT 20 YEARS TO DEVELOP AMARAVATI AS A WORLD CLASS BLUE - GREEN CITY

₹51,687 Cr

ESTIMATED COST OF WORKS UNDER PHASE - 1 DEVELOPMENT WHICH INCLUDES PHYSICAL INFRASTRUCTURE AND GOVERNMENT COMPLEX

₹23,042 Cr

FINANCING OPTIONS THROUGH WORLD BANK, HUDCO, GOVT. OF AP, COMMERCIAL BANKS AND BONDS



For developing a greenfield project, that too developing a city in 217 sq km the foremost challenges are to provide world's best infrastructure both physical and social so as to attract population into the city and to kick-starting the economy.

The infrastructure in Amaravati can be broadly categorised into three

- (I) Tier-1 Trunk infrastructure
- (ii) Tier-2 or LPS layout infrastructure
- (iii) The Government buildings and associated infrastructure.
- I. Developing trunk infrastructure like major arterial road network, water, sewer trunks, seed access road, bridges across the river Krishna, ducts for power and communication cables etc., is major infrastructure for initiating development.
- II. Land for Amaravati has been largely pooled by Land Pooling Scheme wherein volunteering farmers have pooled their land. In return, they have been allotted returnable plots for which necessary city level Tier II infrastructure is planned.
- III. The development of Amaravati Government Complex in an area of 1375 acres in Government city and Justice city comprising of Government buildings like Assembly, Secretary and HOD buildings, Government housing, Rajbhavan, Highcourt etc., is of first priority for the Government.
- IV. The capex requirement for these developments is upfront. The revenues for APCRDA will be ramping up over a period of time as the population of the city grows and economic activity flourishes. The revenues for CRDA would in the nature of fees for various development promotion approvals, value capturing, revenue shares from various joint developments,
- V. Land monetization, renting & leasing of commercial spaces etc. will be the major source of revenue generation for APCRDA, as the land left out with CRDA after allotment of returnable plots to the LPS farmers will keep appreciating along with the development of infrastructure across the city. A strategic holding and auctioning of land bank into the market would fetch considerable revenue for CRDA over a period. However, the timelines of development of infrastructure and realising the land appreciation are different thereby generating a mismatch between expenditure and income cash flows.

The strategy to raise required finances has mainly been an intermix of both long term and short term lending in addition to the grants to be received from the Governments of India and AP.

1) Section 94(3), A.P. Reorganisation Act 2014 provides for

"The Central Government shall provide special financial support for the creation of essential facilities in the new capital of the successor State of Andhra Pradesh including the Raj Bhavan, High Court, Government Secretariat, Legislature Assembly, Legislative Council, and such other essential infrastructure".

Government of India in Ministry of Finance, Department of Expenditure, Plan Finance-I Dept., have released an amount of Rs.1500.00 Crores to Govt of AP.

SI.No.	Letter No. & Date	Amount (in Rs.)	
1	F.No.44(5)PFI/204-1606, Date. 31-3-2015	500,00,00,000	
2	F.No.44(1)PFI/2015-16-228, Date. 23-11-2015	350,00,00,000	
3	F.No.1(2)/PF-I/2014-1512, Date. 28-3-2016	200,00,00,000	
4	F.No.44(1)PF-I/2016-Vol.I-1716, Date. 16-2-2017	450,00,00,000	
	TOTAL	1500,00,00,000	

1) DPRs for the Amaravati Government Complex and Infrastructure including the Legislative Assembly, High Court, Raj Bhawan, CM Bungalow, Bungalows for Ministers, Secretariat, Government housing for employees and such other essential infrastructure with an estimated cost of Rs.39,937 crores was submitted to the Director (State-AP), Niti Aayog for release of funds under Section 94(3) of AP Reorganization Act, 2014.

Government of AP in MA&UD(CRDA), vide Lr.No.369811/CRDA.2/2016, dated: 8-6-2018 has furnished Utilisation Certificate for a total amount of Rs.1,632.48 crores as shown below in the prescribed format GFR 19-A and requested the Director (State-AP), Niti Ayog State Division, New Delhi to appraise the Department of Economic Affairs, Ministry of Finance, GOI to release Rs.1,000 crores in the year 2018-19 for the purpose of progressing works in New Capital City of Andhra Pradesh, under Section 94(3) of A.P Reorganisation Act 2014.

Sl.No.	Item	Amount (in Rs.)
1	Legislative Assembly & Legislative Council and Government Transitional Head Quarters buildings including its infrastructure	572,21,00,000
2	Amaravati Government Staff Housing & Other Essential infrastructure in New Capital City	868,25,00,000
3	Consultancy charges for Amaravati Capital City works	192,02,00,000
	TOTAL	1632,48,00,000

- 5) The Director (State-A.P), NITI AAYOG, State Division (Andhra Pradesh), Parliament Street, New Delhi, vide file no:M-13040/64/2017-S-S, dated:14-6-2018, has certified that the Utilization Certificate forwarded by the State of A.P is in proper format as per General Financial Rules 212(1) of GFR, 2005 (Form 19 of GFR) as prescribed by the Ministry of Finance, Government of India and recommended to the Department of expenditure, Ministry of Finance, Govt of India, for further release of Rs.666 Crores (Rupees six hundred sixty six crores only) @Rs.333 Crores per year for 2017-18 and 2018-19 to the Government of Andhra Pradesh, out of the amount of Rs.1,000 Crores during the financial year 2018-19, for the purpose of creation of essential infrastructure in the New Capital City of the State. The funds are still awaited from the Government of India.
- 6) The Chief Secretary to Government, Government of Andhra Pradesh, vide D.O.Lr.No:369811 /CRDA-2/2016, dated:10-7-2018, requested the NITI AAYOG, New Delhi to expedite the release of Rs.666 Crores for the financial year 2018-19 to meet the immediate expenditure on the ongoing works in the New Capital City of Andhra Pradesh.

LONG TERM LENDING THROUGH MULTI- LATERAL & BI- LATERAL FUNDING

- 1. During early Jan 2019, World Bank communicated that their process of appraisal is completed for the project, in which World Bank and AIIB are co-financing a \$500 mn tranche. The proceeds of the land will be used for funding roads, flood mitigation and village infrastructure upgradation along with technical assistance to CRDA. CRDA, GoAP and Gol are closely working with World bank and AIIB for completing the subsequent tasks of the loan processing.
- 2. Five grant proposals for various infrastructure projects have also been submitted to JICA and awaiting sanction.



SHORT TERM LENDING THROUGH HUDCO AND COMMERCIAL BANKS

- 1. An MoU has been entered with HUDCO for Rs. 7500 Crores of which sanction has been obtained for loan amount of Rs.1275 crores., The same is being utilized the Priority roads projects and has been disbursed. Further tranches would be submitted to HUDCO on need basis.
- 2. A loan of Rs. 10,000Cr is being pursued from Scheduled Commercial Banks backed by Government guarantee, for which an all-bankers meeting was conducted by the Finance department on 21st August 2018.
- 3. APCRDA has approached a consortium of Banks viz, Indian Bank, Andhra Bank, Vijaya Bank and has already sanctioned INR 2060 Crores for the development of Amaravati Housing Project for Government employees.
- 4. Similarly, a consortium of commercial banks is being planned for Secretariat and HoD buildings in Govt. Complex.



7.4 AMARAVATI BONDS 2018



INR 2000 Crores was raised through Electronic Bidding Platform of BSE on 14th August 2018. The issue was over-subscribed by 1.53 times in one hour, through a bidding process, which was overseen by a Standing Committee constituted by the Government, Merchant banker was appointed to the Bonds issue. The issue was listed on BSE on 27th August 2018 in the presence of Hon'ble Chief Minister and other dignitaries. The issue was rated as A+ (SO) by CRISIL, as AA – (SO) by BrickWorks and AUICTE rating agencies.

APCRDA initiated pre-issue formalities for issuing of Bonds for mobilizing funds from retail investors. The issue will be backed by Government Guarantee.





Ministry of Housing and Urban Affairs, Government of India provided

incentive of Rs. 26 Crores

for issuing bonds on Bombay Stock Exchange in Oct, 2018







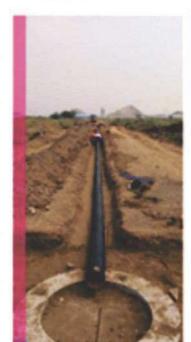
Congratulations to Andhra Pradesh Capital Region Development Authority, Amaravati for issuing municipal bonds worth ₹2,000 crore!

In recognition, the Ministry awards them ₹26 crore as an incentive under #AMRUT











Ministry of Housing and Urban Affairs congratulates APCRDA, Amaravati for issuing bonds worth \$2,000 crore and awards \$26 crore as incentive under AMRUT.









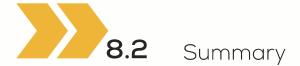
1.5 Million PROJECTED JOBS OVER 25 YEARS

₹1.5 - ₹2.0 LAKH CR
PROJECTED GDP OVER 25 YEARS

114 NO'S
LAND ALL OTMENTS TO VARIOUS ORGANIZATIONS



Amaravati city is envisaged to be a power-house for economic development and job-creation which could attract non-polluting high-value manufacturing and service industries and creates 20 lakh jobs over 25 years with a GDP of INR 1.5-2 lakh crore. These industries, as priority sectors for the city, can spur the development of the capital city as a vibrant Economic Hub.



In order to trigger the economic activity in the Amravati Capital City, APCRDA had invited several Public & Private Sector enterprises to set-up their facilities. Several suo-moto proposals were received from reputed Enterprises to establish their projects in the Capital City and these were evaluated and land allocation was done in accordance with the modes of allotment as notified in the Amaravati Land Allotment Rules, 2017 and relevant Standing Orders.

APCRDA is in various phases of engaging with Private players towards development of the social infrastructure facilities for the city – the mode of allotments for social infrastructure like Schools, Hospitals & Universities is through Quality Based Selection.

In 2018, APCRDA also ventured into Public-Private-Partnership (PPP) mode for establishment of commercial & tourism infrastructure such as Hotels/Resorts, Convention Centres, Mall, etc. These PPP projects are also expected to usher steady revenue streams for APCRDA in the form of lease rentals and revenue shares.



8.3 ECONOMIC DEVELOPMENT PROJECTS ALLOTTED LAND SO FAR THROUGH VARIOUS GOS/TENDER PROCESS:

SI.No.	Organization	Activity	Land allotted (Acres)
1.	VIT-AP Charitable Trust	Integrated University	200.00
2.	Indo-UK Institute of Health	Hospital/ College	150.00
3.	National Institute of Design (NID)	Integrated University	50.00
4.	AP HRD Institute (APHRDI)	Integrated HRD Training	25.00
5.	Tirumala Tirupati Devasthanam	Religious Centre	25.00
6.	Central Institute of Tool Design (CITD)	Technical Training	5.00
7.	SRM University	Integrated University	200.00
8.	Amrita University	Integrated University	200.00
9.	Central Public Works Department (CPWD)	Gol Offices/ Residential	28.00
10.	Reserve Bank of India (RBI)	RBI Offices/ Residential	11.00
11.	BRS Medicity Healthcare & Research Pvt. Ltd.	Education/ Healthcare	100.00
12.	Sub-Divisional Police Office, Thullur & Traffic Police Station	Social Infrastructure	1.50
13.	Indian Navy	Office/ Residential	15.00
14.	National Institute of Fashion Technology (NIFT)	Education	10.00
15.	Kendriya Vidyalaya-1	Education	5.00
16.	Kendriya Vidyalaya-2	Education	5.00
17.	Bureau of Indian Standards	Office Space	0.30
18.	Department of Posts	Office/ Residential	5.50
19.	National Biodiversity Museum	Museum	25.00
20.	Food Corporation of India	Office/ Residential	1.10
21.	Life Insurance Corporation of India	Office Space	0.75
22.	State Bank of India	Office/ Residential	3.30
23.	Andhra Bank	Office/ Residential	2.65
24.	Bank of India	Office/ Residential	1.50
25.	Indian Oil Corporation Limited	Fuel retail outlet	0.40
26.	NABARD	Office/ Residential	4.30
27.	State Archaeological Museum	Museum	8.00
28.	AP State Civil Supplies Corporation Limited	Fuel retail outlet	0.40
29.	Comptroller & Auditor General of India	Office and Residential Space	17.00
30.	Rail India Technical Economic Services (RITES)	Office Space	1.00
31.	Dr. B. R Ambedkar Smruthi Vanam	Memorial Park	20.00

SI.No.	Organization	Activity	Land allotted (Acres)
32.	State Forensic Science Laboratory for R&D and Tech. Convention Centre	Laboratory	5.00
33.	New India Assurance Company Ltd.,	Office & Residential Space	1.93
34.	Hindustan Petroleum Corporation Ltd.,	Fuel Station	0.50
35.	Syndicate Bank	Office and Residential Space	1.30
36.	Andhra Pradesh Non Resident Telugu Society (APNRT)	Office Space	5.00
37.	Andhra Pradesh Cooperative Bank Ltd., (APCOB)	Office and Residential Space	4.00
38.	Nandamuri Basavataraka Rama Rao Memorial Cancer Foundation	Health Care	15.00
39.	Xavier Labour Relations Institute (XLRI)	University	50.00
40.	LV Prasad Eye Institute	Health Care	12.00
41.	Gopichand Badminton Academy	Sports Academy	12.00
42.	Brahma Kumaris Society	Spiritual Centre	10.00
43.	HCL Technologies	IT, R&D and Training Operations	20.00
44.	Civil Services Institute	Office Space	4.00
45.	Central Bureau of Investigation (CBI)	Office and Residential Space	3.50
46.	Indira Gandhi National Open University (IGNOU)	Academic & Administration and Residential staff Quarters	0.80
47.	Indian Meteorological Department (IMD)	Office and Residential Space	1.00
48.	Ministry of External Affairs for Videsh Bhavan	Office Space	2.00
49.	AP Police Department - Intelligence wing	Office Space	2000 Sq. Yds.
50.	AP Economic Development Board (APEDB)	Office Space	2.00
51.	Union Bank of India	Office and Residential Space	1.57
52.	Bharat Petroleum Corporation of India	Office and Residential Space	1.55
53.	Indian Bank	Office and Residential Space	1.50
54.	Central Chinmaya Mission Trust	School establishment	3.00
55.	Ruptech Educational India	School establishment	4.00
56.	Enlearn Education Private Limited Company	School establishment	3.00
57.	St. Lawrence Education Society Trust (RYAN)	School establishment	4.00
58.	Sadhbhavana Knowledge Foundation	School establishment	4.00
59.	Anandilal Ganesh Podar Society	School establishment	3.00
60.	Hyderabad Educational Academy (Glendale Academy)	School establishment	8.00



8.3 ECONOMIC DEVELOPMENT PROJECTS ALLOTTED LAND SO FAR THROUGH VARIOUS GOS/TENDER PROCESS:

SI.No.	Organization	Activity	Land allotted (Acres)
61.	Global Schools Holdings Pte. Ltd	School establishment	4.00
62.	National Centre for Disease Control (NCDC)	Office Space	2.00
63.	Indian Army	Training Centre	4.00
64.	DR. NRS Government Ayurvedic College	Ayurvedic College	5.43
65.	RailTel Corporation of India Limited	Office Space	0.60
66.	HUDCO Regional Office	Office Space	1.00
67.	Dr. Babu Jagjeevan Ram Memorial	Memorial Park	10.00
68.	Society of Andhra Pradesh Network (SAPNET) Mana TV	Office Space	0.70
69.	Ramakrishna Mission	Ramakrishna Mission	2.50
70.	Chandra Rajeswara Rao Foundation for Social Progress (Outside Capital City within CRDA)	Foundation for Social Progress.	3.00
71.	CII Startup Area	Office Space	1.50
72.	Endiya Fund Advisors for the establishment of Amaravati Venture Habitat Centre	Habitat Centre	2.30
73.	Vyakti Vikasa Kendra India (Art of Living) - (Outside Capital City within CRDA)	Vyakti Vikasa Kendra	10.00
74.	Isha Foundation (Outside Capital City within CRDA)	Spiritual Centre	10.00
75.	Inland Waterways Authority of India (IWAI)	Office and Residential Space	0.57
76.	Vijaya Bank	Office and Residential Space	1.55
77.	Canara Bank	Office space	0.50
78.	Bharat Scouts & Guides	Office and open ground for Training in P1	7.50
79.	A.P State Disaster Response and Fire Service Department.	Office Space	4.23
80.	A.P Public Libraries Department.	Public Library	1.00
81.	A.P. State Council for Higher Education (APSCHE)	Office Space	3.00
82.	A.P. State FiberNet Limited (APSFL)	Office Space	3.00
83.	A.P Centre for Financial Systems & Services (APCFSS)	Office Space	4.00
84.	The International Centre for Alternate Dispute Resolution (ICADR)	Office Space	1.00
85.	Association of Lady Entrepreneurs of India (ALEAP)	Office Space	0.50
86.	Larsen & Turbo Construction skills Training Institute (CSTI)	Skill Development	5.00

SI.No.	Organization	Activity	Land allotte (Acres)
87.	Amaravati Educational and Cultural Academy (DAV School)	School establishment	3.00
88.	Dr. N.T.R. university of Health Sciences	Medical University	25.00
89.	N. St. Mathew's public School (St. Gabriel Educational Society)	School	3.00
90.	Satikanta Guha Foundation	School	3.00
91.	International Cricket Academy	Cricket Academy	12.00
92.	Zoological Survey of India (ZSI)	Regional Centre	2.00
93.	Craft Council of Andhra Pradesh	Krishna Kamalam Crafts village	1.00
94.	Young Men's Christians Association (YMCA)	YMCA Centre of excellence	2.65
95.	Convention Centre	Tourism/Hospitality	5.00
96.	Dive in cum Fitness Centre	Tourism/Hospitality	12.00
97.	Amaravati Marina (Kosta Marina)	Tourism/Hospitality	9.34
98.	Amaravati Wellness Resort	Tourism/Hospitality	3.50
99.	MICE Hub	Tourism/Hospitality	42.00
100.	Manjeera Hotel and Resort Private Limited and Consortium	Tourism/Hospitality	2.00
101.	Green Park Hotels and Resorts Limited	Tourism/Hospitality	2.00
102.	GRT Hotels and Resorts Private Limited	Tourism/Hospitality	2.00
103.	Daspalla Hotels Private Limited and Consortium	Tourism/Hospitality	2.00
104.	Varun Hospitality Private Limited and Consortium	Tourism/Hospitality	4.00
105.	Malaxmi Infra Ventures (India) Private Limited and Consortium	Tourism/Hospitality	4.00
106.	Indroyal Hotels Private Limited and Consortium	Tourism/Hospitality	4.00
107.	Empee Hotels Limited	Tourism/Hospita l ity	4.00
108.	G.V. Estates & Hotels Pvt. Ltd.	Tourism/Hospitality	4.00
109.	Om Sree Bhavanasai Associates LLP	Tourism/Hospitality	4.00
110.	Southern Travels Private Limited	Tourism/Hospitality	2.00
111.	Kandhari Hotels Private Limited	Tourism/Hospitality	1.00
112.	Ambica Agarbathies Aroma & Industries Ltd.	Tourism/Hospitality	1.00
113.	Splendor Landbase Limited	Tourism/Hospitality	1.00
114.	Swagath Motels Private Limited	Tourism/Hospitality	1.00



Schools- National and **8.4.1** International Schools

- Ryan Global school
- Podar International school
- Glendale academy
- Chinmaya mission
- Global Indian International school
- Sadhbhavana school
- Heritage school
- Amaravati Education & Cultural Academy (DAV School)



8.4.2 Reputed Universities-

1. VIT, SRM (land allotted), and classes commenced as of academic year starting 2017. 5,000 students are currently enrolled in these universities.

2. Amrita and NID are under construction and to commence classes in upcoming academic year





8.4.3 Hospitals

1. Hospitals - Amrita, IUIH, Basavatarakam Cancer Institute, LV Prasad Eye Institute, BRS Medicity & Health Care



Hotels - 5-star, 4-star and 3-star hotels

The following hotels were awarded lands through a competitive tender process.

S.No.	Bidder	Brand	Extent
			(Acres)
1	Varun Hospitality Pvt Ltd	Novotel Hotels & Resorts	4.0
2	Malaxmi Infra Ventures (India) Private Limited	Double Tree by Hilton	4.0
3	Indroyal Hotels Private Limited	Crowne Plaza Amaravati	4.0
4	Empee Hotels Limited	Hilton	4.0
5	Manjeera Hotels & Resorts Pvt. Ltd.	Holiday Inn	2.0
6	GreenPark Hotels and Resorts Limited	GreenPark Hotels and Resorts Ltd.	2.0
7	GRT Hotels & Resorts Private Limited	GRT Hotels & Resorts	2.0
8	Daspalla Hotels Pvt. Ltd.	Hotel Daspalla	2.0
9	G.V. Estates & Hotels Pvt. Ltd.	VIVANTA by TAJ	4.0
10	Om Sree Bhavanasai Associates LLP	WESTIN by Marriott	4.0
11	Southern Travels Private Limited	Courtyard by Marriott	2.0
12	Kandhari Hotels Private Limited	ITC Fortune	1.0
13	Ambica Agarbathies Aroma & Industries Ltd.	Regenta Inn	1.0
14	Splendor Landbase Limited	Ginger by Taj	1.0
15	Swagath Motels Private Limited	Keys Select	1.0





MICE Hub – Development of a Mega International Convention Centre (10,000 pax), one of Asia's largest, along with other allied facilities including Exhibition Centre, Hotel(s), Multi-entertainment, Retail & Commercial Development (including the residential component), Food Court, River Front – Hi-Street, Jetty, etc., through PPP mode. The process of tender through international competitive bidding has been concluded, and Lol has been issued to the winning bidder – M/s Cybercity Developers & Consortium.



8.4.6 Amaravati Marina

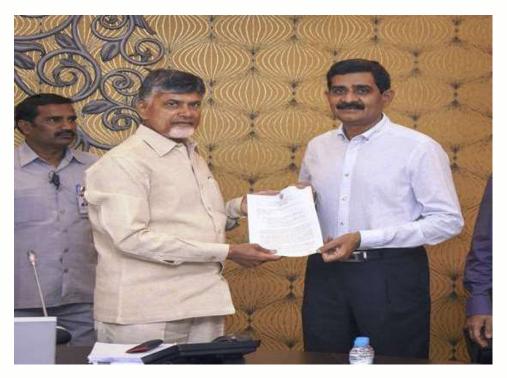


Amaravati Marina – With an aim to develop a world-class Marina with water sports and water based tourism, a PPP tender was released and the project was awarded winning bidder, M/s Kosta Marina. The project would comprise of a 100 berth marina, sailing and power boating training centre, and boat repair facility. The project has attained commercial closure; the Concession Agreement has been executed and the Concessionaire has initiated the 1st Phase of developments.





8.4.7 AMARAVATI WELLNESS RESORT



Amaravati Wellness Resort – On the riverbanks of Krishna, a 100 key wellness resort is being developed by M/s Kandhari Hotels Pvt. Ltd. under ITC's Fortune Hotels brand. The project was structured on the lines of Design Build Finance Operate and Transfer (DBFOT) model of PPP. The project attained commercial closure and the Concession Agreement has been executed.



8.4.8 CONVENTION CENTRE



Convention Centre – Development of a 2,000 pax Convention Centre including Banquet Halls, Meeting Rooms and VVIP Rooms within the Amaravati Capital City. The project is to be executed through PPP mode on DBFOT basis. The competitive bidding process has been completed, and the project has been awarded to the winning bidder – M/s Varun Hospitality Pvt. Ltd.





SPORTS HUB

Multipurpose Sports Hub has been conceptualized through PPP mode in an area of about 20 Acres within Sports City of Amaravati. The components envisaged in the project include a FIFA standard Football stadium, a multi-purpose indoor stadium, international standard courts for Tennis, Volleyball, Badminton, Basketball & other sports, and a world-class training academy. The project is currently in planning/tendering stage.

COMMERCIAL MALL

An Entertainment cum Retail complex has been proposed by APCRDA on PPP mode over an expanse of 7 acres land, consisting of components like Retail shopping space, Multiplex, Food court, Entertainment zone for kids, and open space. The project is currently in tendering stage.



CONSTRUCTION CITY

A one-of-a-kind project has been conceived over a land extent of 100-150 acres to accommodate all construction-related Products, Services and Skill Development/Training. The project will come-up in phases and the concept & masterplan are under finalization.

IT Tower

In addition to the private investment, CRDA is also developing an IT Tower with a built up area of about 1 million sft, for developing IT sector with the demand from IT companies who have expressed their interest to contribute to the economy of the state's greenfield capital.

INDUSTRIAL PARK

APCRDA is currently in the planning phase of developing a 300 Ac. Integrated Multiproduct Industrial Park within the Amaravati Capital City. The facility would house non-polluting high-value manufacturing and service industries and is expected to generate 15,000-20,000 jobs across various sectors.

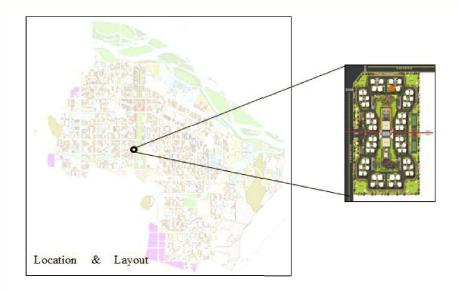


The government of Andhra Pradesh (GoAP's) vision is to make Andhra Pradesh, the most preferred Global destination by 2050. In realising the vision, APCRDA and the GoAP are developing Tourism, Leisure & Entertainment and Recreation facilities along with necessary housing to accommodate the growing demand in Amaravati. Amaravati will be driven by the concept of inclusive growth and high living standards for all. It will be planned with a goal of 5-10-15; no more than 5 minutes to emergency facilities, 10 minutes to recreation and open spaces and 15 minutes of walk to work. Each township is expected to have a school, and a health center apart from leisure and entertainment and other social amenities.





The mission of APCRDA is to promote a safe, diverse, dynamic and vibrant community and enhance the living, working and recreation choice for city residents/dwellers. APCRDA works to create, diversify and enhance employment growth and to promote the orderly and harmonious use of land while improving the quality of live for current and future generations, of new capital city. In order to fulfil the mission of APCRDA, housing is identified as one of the key priority project.



In order to cater to the needs of the public with growing demand for housing and world class infrastructure, APCRDA (Andhra Pradesh Capital Region Development Authority) has undertaken to develop first of its kind integrated residential development in Amravati.

The CRDA proposed to develop a residential project in 14.46 acres with 12 (G+18 floors) towers with 1200 flats in total, ranging between 1225 sft and 2750 sft.., named it as "HappyNest" with a tag line of "See Future – Be Future".

HappyNest offers a style of living and this is where art, innovation and technology are blended to create world class environment, with over 80% of the land earmarked for aesthetic landscaping and nature.

HappyNest would be a modern gated community with amenities like Airconditioned Multi-purpose hall, Party Lawn & Party Lounge, Business Centre, Reading Lounge, Cafeteria, Supermarket, Clinic, Preview Theatre, Pharmacy Desk, Travel Desk, ATMs, Meditation Garden, Creche, Furnished Air-conditioned Guest Rooms etc... HappyNest located at Nelapadu, about 500 metres from the housing project of the gazetted officers.



3D View of Happynest.





HappyNest Project has been registered with AP Real Estate Regulatory Authority (AP RERA) and an exclusive website 'www.happynest.live' is designed for online booking mechanism for the customers to book flats online with total transparency. The sale of Flats was launched in two phases (300 flats on 9th November 2018 and 900 flats on 10th December 2018). And entire sales / booking activity was undertaken through online and on first cum first serve basis



Entire sales activity was completed in around 8 hours' time (cumulatively). People from across the globe (Non Resident Indians) have shown interest and booked flats. And about 8000 people expressed interest purchasing flats in the future projects of APCRDA.

Keeping in view of demand and interest from the prospective buyers, APCRDA propose to launch next residential projects soon.



Start-up area of 6.84 Sq Km is being developed by Amaravati Development Partner a Joint Venture formed by the Singapore consortium Ascendas—Singbridge and Sembcorp with Government of AP. After due process, necessary agreements have been signed consisting of Concession and Development Agreement (CADA) and Shareholders Agreement (SHA) and the ADP has been formed. The initial phase of work is about to be commenced.

The development will occur in 3 phases, in 656 acres, 514 acres and 520 acres each. The estimated economic benefits of project in 15 years.

Growth in resident population	1,25,000 families
Jobs expected to be created	2,50,000
Cumulative Contribution to the GSDP	₹1,15,000 Cr
Revenue to Government due to taxes	₹8,000 Cr to 10,000 Cr.









AMARAVATI SMART AND USTAINABLE CITY CORPORATION LIMITED SMART CITY PROJECTS



Honourable UDM Sri. M. Venkaiah Naidu announces the list of Cities selected during Round 3 of the Smart Cities Challenge



INTRODUCTION

The core concept of Smart Cities Mission is to promote cities that provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment and application of 'Smart' Solutions. Focusing on sustainable and inclusive development, the Smart Cities Mission of the Government of India is a bold, new initiative. It is meant to set examples that can be replicated both within and outside the Smart City, catalyzing the creation of similar Smart Cities in various regions and parts of the country.

The Capital City of Andhra Pradesh "Amaravati" has been selected as a smart city in round 3 of the Smart Cities Mission under Ministry of Housing & Urban Affairs Government of India.

Amaravati, the People's capital of Andhra Pradesh, is envisioned to be a city of world-class standards with a vision of increasing Andhra Pradesh's prominence in the globe. Amaravati Smart & Sustainable City Corporation (ASSCCL) is leaving no stone unturned to provide cutting-edge infrastructure, comfortable livelihood and immense prosperity for the People of Amaravati.

Process of Implementation

- 1) Micro-climate management several measures are planned to be undertaken to ensure the micro-climatic conditions within ABD to control the temperature multiple degrees cooler. This will include interventions in the urban form: streets, sprinkler systems and a detection weather radar system to monitor on a continual basis.
- 2) Urban mobility given the comfortable weather, aesthetics and other conditions that would prevail in the city, public transportation and Nonmotorized transport infrastructure has been prioritized. Electric buses, pedestrian walkways and Smart street facilities have been identified for development.
- **3) Blue-Green** in line with the Blue-green vision of the Capital city, the ABD would encompass a park, bioretention ponds, canal front and river front.
- 4) Activity centers various activity centers have been identified for development, in line with making it an inclusive space for citizens and tourists to visit. This includes town sports hub phase 1, vibrant open spaces a with abundant retail spaces to attract and

provide Retail and entertainment facilities to the public.

- **5)** Smart utilities smart street lighting, CCTVs, schools smart ducts, smart poles public health centers, biotoilets and digital hoarding boards have been proposed to improve the quality of living in the precinct.
- 6) Improved governance an app that will help people with way finding, provide updates on events through integrated command control center will be set up to ensure vibrant events are promoted in the area, turning into a tourist hub. An intelligent command and control center is under implementation.
- 7) Digital Payments The smart city aims at 100% digitization in all aspects of governance and has undertaken various steps to make all the transactions digital and paperless.

Expected Funding Source The source of funding includes:

- Central Share 500 Crore
- State Share 500 Crores
- Convergence 418 Crores
- Own Sources 427 Crores
- -PPP-201 Crores



Focus of Smart City Corporation

Ease of Funding - Financial flexibility to pilot futuristic solutions.

Availability of Expertise - Increased interaction with experts from industry and academia

Focused Approach - Scope for independent planning and implementation.

Inhouse Capacity Building - Mix of talent from government and private institutions in the SPV has opened doors for inhouse capacity building

City Identity - Enabled the government functionary to build an unique brand identity.



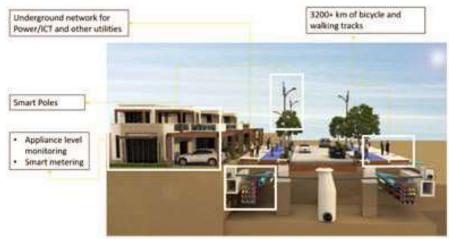


Fig 2: Amaravati is well on track to build a future proof infrastructure







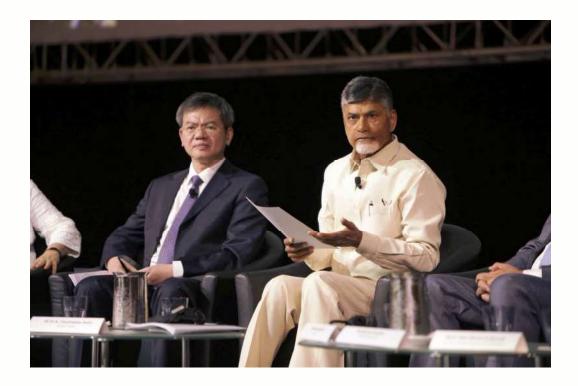
10.1 HAPPY CITIES SUMMIT 2018

Journey for organizing Happy Cities summit started with embracing innovation and garnering best practices. Amaravati's ambition of building a Happy city necessitated a larger gathering of best minds in the world. The inaugural edition of Happy cities summit was held on 10th – 12th April 2018, an annual global edition has now been concluded successfully. The focus of the summit was to hold a defining forum focused on new and emerging cities in the developing world.

The 1st Edition of HCS hosted over 1500 delegates with about 120 delegates from over 15 countries including Singapore, UK, US, Finland, Costa Rica, Tanzania, Bhutan, Columbia, Hong Kong, Spain. Professors and practitioners from world reputed institutes like Center for Liveable Cities Singapore, Harvard University, London School of Economics, DFID London, Foreign Commonwealth office London, School of Planning and Architecture, National Institute of Design, IITs and National Institute of Urban Design.

Valuable deliberations on the potential of a "greenfield" city, to make it a "born happy city". Our own municipal Commissioners of Government of AP and other officials involved in town planning, execution and beautification took active part in the discussions, have learnt key principles of "happiness" and best practices from across the globe. This helps in making a better blueprint for us to achieve be a happier state, and create active happy cities





Overwhelming response from city-preneurs around the world, with 275+ registrations and 12 finalists of which six are international entries from UK, US, Singapore, Nigeria, Hong Kong and Finland. Key themes include use of big data, internet of things, smart governance, mobility and pollution control.

In partnership with the Andhra Pradesh Innovation Society (APIS) and School of Planning and Architecture (SPA) Vijayawada and National Institute of Design conducted a Hackathon to develop concepts for making the Punnami Ghat in Vijayawada active, vibrant and 'happy' and People Oriented.

True to collaborative nature of this summit, Amaravati wishes to help other cities. The Land Pooling Scheme has been a tremendous and powerful initiative in the development of Amaravati. Amaravati Innovative and Inclusive LPS Handbook was released during the Summit which explains details of every step of the Land Pooling Scheme

To take the momentum of this Summit forward, we are pleased to announce the establishment of the Happy Cities Innovation Lab which will function as a professional, autonomous entity to pioneer the ideation, testing, adoption and scaling of urban innovations that lead to 'happy cities'. The Lab would have a global advisory group that would provide strategic guidance, content expertise to further advance the Happy Cities movement.



World Cities Summit 2018, Singapore

Andhra Pradesh Government participated actively in the World Cities Summit hosted by Singapore from 8–12 July 2018, where top Government leaders and Industry experts addressed liveable and sustainable city challenges. The Biennial event was organized by Singapore's Centre for Liveable Cities and Urban Redevelopment Authority. A delegation of members from APCRDA and APEDB led by Hon'ble Chief Minister N Chandrababu Naidu himself have represented the state of Andhra Pradesh and Amaravati at the Summit.

Government of AP officials including the Principal Secretary (CRDA), Commissioner CRDA and CMD, ADC participated in a dedicated forum on Andhra Pradesh titled "Disruption and Creation – Harnessing Market Innovations for Urban Solutions in Andhra Pradesh".

In partnership with Enterprise Singapore, APCRDA hosted a pitch competition at the World Cities Summit. To tackle specific problem statements that Amaravati is facing, start-ups were invited to provide solutions and pitch in front of a global jury at the World Cities summit. Start-ups from over 5 countries participated and a shortlist of 9 start-ups made their final pitch in Singapore. The top 3 start-ups namely Space Age (IOT Gateway), Ecosoft (Sustainable Water Management Solutions) and Urbanstack (Mobility as a Service) entered into an MoU with CRDA to pilot their solutions and implement world-class cutting edge technologies.

To attract investors and provide ample visibility to Amaravati, the Government of Andhra Pradesh has also set up a stall which hosted Virtual reality and mixed-reality demonstrations of the masterplan. Attendees were able to experience, using state-of-the-art technology an interactive and collaborative environment to visualize the development that's being undertaken in Amaravati.

A business delegation of 25 reputed construction companies from Andhra Pradesh have also been mobilized and attended roundtable during the summit, organized by the Building and Construction Authority (BCA). The roundtable focussed on best practices in pre-cast technologies, for which Singapore is a global leader.



10.3 LSE CITIES AMARAVATION TASKFORCE 2018

The London School of Economics through its dedicated wing called "LSE Cities" undertakes studies on Urban systems and Happiness in Cities participated in the Happy Cities Summit at Amaravati, organized between April 10-12th 2018. Representatives of LSE Cities contributed in panel discussions, workshop on happiness metrics as well as the Happiness declaration during the said summit.

Through its participation in the Summit and close understanding it has gained through its interactions during the Happy Cities Summit of 2018, LSE expressed a keen interest to collaborate on various aspects of the strategic planning of Amaravati.

To take the collaboration with the London School of Economics forward, LSE Cities proposed to undertake "Amaravati" as part of the coursework for the Executive Masters Programme in Cities. Through the proposed collaboration, LSE would work closely with APCRDA to prepare 3 strategy papers on topics that are mutually decided by APCRDA and LSE, over a period of 4 months.

LSE Cities has invited the APCRDA officials to London School of Economics during 4th to 8th June 2018 – The Amaravati Taskforce capacity building week (4-8 June 2018) of Executive MSc in Cities programme. The APCRDA delegation led by the Commissioner, APCRDA and including key persons from Planning and Transportation wings conducted a series of workshops and provided expert guidance that formed the basis of "Urban Infrastructure and Strategic Planning" module of the Executive Msc in Cities Programme.

Amaravati Task Force (ATF), a team of student-researchers under the Executive Msc program, has been working to assist the Andhra Pradesh Capital Region Development Authority (APCRDA) to achieve its vision of developing a new capital that would be ranked among the three happiest cities in the world. The ATF report provided key findings and recommendations as they relate to three research themes regarding key strategic planning interventions required to meet present and anticipated future needs of the new capital city.

THEME 1: HOUSING AFFORDABILITY CHALLENGE - Creating a framework for an affordable and compact Amaravati;

THEME 2: BUILDING A PUBLIC TRANSPORT RELIANT CITY - Leapfrogging transport transitions; new urban mobility and accessibility alternatives; and

THEME 3: SUSTAINABLE FINANCING - Creating sustainable financing and value capture framework

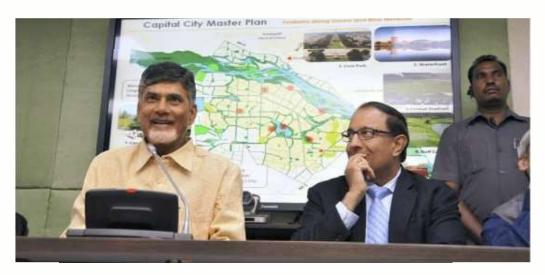


PROGRESS ON 10.4 SINGAPORE ASSOCIATION

10.1.0 FIRST MOU SIGNED BETWEEN GOVT. OF APAND GOVT. OF SINGAPORE

On Dec 8th December 2014, an MoU was signed with Govt. of Singapore, wherein, Govt. of Singapore has agreed to the following:

- 1. To Support in the preparation of three Masterplans at three scales the region, the capital city as well as the SEED area
- 2. Capacity building and Institutional support through a training programme called "Andhra Pradesh Leaders of Urban Governance"
- 3. Cooperation towards the development of the SEED Area of Amaravati



Minister, MTI and Honble CM during the Third High Level Meeting on 25.05.2015.



During the Second High Level Meeting between Government of Singapore and Government of AP

10.1.1 AP LEADERS IN URBAN GOVERNANCE PROGRAMME

Over 20 officials from the Government of AP participated in the AP Leaders in Urban Governance Programme organized by Centre for Liveable Cities, Singapore between 19 – 24 January 2015. An in-depth study of the systems in Singapore, and how they could be replicated in Amaravati, and how the road-map towards developing the Capital City was worked out. The delegates included the Principal Secretary (CRDA), Commissioner (APCRDA) and other officials, and multiple discussions on the topics including Governance, Planning, Transportation, Housing, Economic Development, Land, Environment and Utilities.

10.1.2 EXPERTISE IN CITY PLANNING BY CLC. SINGAPORE

Over multiple interactions in-person and through VCs, the Centre for Liveable Cities participated in multiple meetings with APCRDA officials towards meeting the goals towards creating a Liveable city. These interactions ensured that the steps undertaken by APCRDA and related entities in development of various Masterplans and designs were in-tune with the overall Masterplan that was drawn with Singapore expertise.

10.1.3 SWISS CHALLENGE FOR DEVELOPMENT OF SEED STARTUP AREA

- 1. Singapore Consortium has given OPP proposal (Original project Proponent) to develop 6.84 Sq Km of Startup area in Amaravati.
- 2. Ascendas- Singbridge is a group owned by the Government of Singapore through their Ministry of Finance and Ministry of Trade and Industry.
- 3. Sembcorp Development Ltd is Co-owned by Government of Singapore through Ministry of Finance with other institutional investors.
- 4. The Singapore Consortium was engaged as the developers for the 6.84 sq.km. SEED Start-up area of Amaravati Capital city through International Competitive Bidding under Swiss Challenge approach.
- 5. The Letter of Award was given to the Ascendas-Singbridge and Sembcorp on 15.05.2017





The Letter of Award being awarded by Commissioner, APCRDA to Singapore consortium of Ascendas-Singbridge and Sembcorp

10.1.4 BRIEF OF THE PROJECT:

- 1. Singapore Consortium formed a project SPV by name Amaravati Development Partner (ADP) with Amaravati Development Corporation (ADC)
- 2. ADP will develop an Area of 1691 Acres, in 15 years in three phases of each about 5 years.

Phase I: 656 acres

Phase II: 514 acres

Phase III: 521 acres

3. Estimated Economic Benefits of project in 15 years

Growth in resident population: 1,25,000 families

Jobs expected to be created: 2,50,000

Cumulative Contribution to the GSDP: 1,15,000 Cr

Revenue to Government due to taxes: 8,000 Cr to 10,000 Cr.



- 1. Areas of Cooperation under this 2nd MOU are:
- 1. Master development of the Start-Up Area in Amaravati
- 2. Enhancing capacities of GoAP departments
- 3. Promotion of bilateral trade and investment.

2. Implementation of MoU

- 1. High Level Joint Implementation Steering Committee ('JISC') for leadership and direction o co-chaired by Chief Minister, GoAP and Minister for Trade & Industry, MTI, GoS
- 2. Joint Implementation Working Committee ('JIWC') for implementation with senior officials from both GoAP & GoS



Signing of MoU by Minister, MTI, Singapore and Honble CM. Andhra Pradesh

PROGRESS ON VARIOUS A SPECTS OF THE RELATIONSHIP

10.3.1 START-UP AREA DEVELOPMENT

10.3.1.1 SIGNING OF CADA

The Draft Concession and Development Agreement (CADA) for development of Start-Up area in Amaravati is finalized after mutual discussions between APCRDA and Singapore Consortium. The draft CADA has been approved by Govt.

10.3.1.2 VISIT BY TECHNICAL TEAMS

A hand-shake meeting was organized between 11 members of the Singapore consortium and members of APCRDA and ADC, during 05.06.2017 and 07.06.2017. The discussions were primarily around the infrastructure that is being planned in the Capital city, the land availability and flood management plans.



10.3.1.3 VISITS ON INVESTOR PROMOTION

The first round of discussion with Sembcorp-Ascendas marketing and investment promotion team took place on 10.07.2017. The team also visited to the Secretariat Building and other key developments in the start-up area as part of site visits.

The Second visit of the marketing and investment promotion team to Amaravati took place on 22.08.17. The team majorly shared their views and discussed on Singapore's experience in investment promotion, covering principles, pipeline management framework, setting up key results indicators, industrial development approach and incentives designs which can be adopted for development of Amaravati.

10.3.1.4 PHASE Z.RO

Phase Z.Ro is Singapore Consortium's initial development in an area of 2.6 ha (7 acres) in Amaravati. Phase Z.Ro would showcase SC's capabilities and smart technologies as an interim 1st level development of \sim 15 years, while Phase 1A of the start-up area is under process of development.

10.3.1.5 DEEP-DIVE WORKSHOPS BY CENTRE FOR LIVEABLE CITIES

Centre for Liveable Cities organized multiple "Deep-dive" workshops with relevant officials of the Government of Andhra Pradesh, to ensure the best standards and practices are followed for the construction of Amaravati. The following are the various deep-dive workshops that were hosted –

Dates	Topics	Agencies
17 20 Jul,	- Urban Design	APCRDA
2017	- Master-planning	ADC
	- Transport	
	- Development Promotion	
	- Water Infrastructure	
10 13th Oct,	- Housing	APTIDCO
2017	- Building Control	APCRDA
	- Pre-casting Solutions	
24 26th	- Power	APTRANSCO
Sept , 2017		ADC
		APCRDA
Upcoming	- Solid Waste Management	(to be decided)
	Urban Design	

Table no. 17: Deep-dive workshops

During these deep-dive workshops, the CLC experts in the respective fields deliberated various aspects of the Infrastructure plans that have been drafted by the Consultants and the Government agencies, and provide expert advice on issues and any changes that have to be incorporated in the best interests of the project. A summary of the key issues that were brought up are placed in the Joint Implementation Steering Committee.



CLC officials with APCRDA and ADC officials during the deep-dive workshop

Urban Asset and Infrastructure Management System (UAIMS)

1. On 15th September 2017, APCRDA and Singapore Cooperation Enterprise (SCE) signed a contract for the adoption of an Urban Asset and Infrastructure Management System. Surbana Jurong will be implementing the system for APCRDA, after signing a back to back contract with SCE.



Contract signing between APCRDA and Singapore Cooperation Enterprise

Farmer's First - visit by Farmers to Singapore

1. APO is supporting CRDA to organise a 4-day visit by 123 farmers/landowners of Amaravati to Singapore. The objective is to let the farmers/landowners see first-hand how their reconstituted plots can be developed for commercial and residential purposes.



- 2. The first visit of 34 farmers/landowners was held from 31 Oct to 4 Nov, 2017. Places visited include the URA City Gallery, a typical HDB housing estate and its integrated facilities (transport, markets, clinics, etc.), naturalised canals, and a low-rise housing estate such as Serangoon Gardens. Various Singapore government agencies are supporting these visits, coordinated by APO.
- 3. Before the second visit scheduled for 28 Nov to 1 Dec, learning points from the first visit were incorporated into the programme.



Farmer delegation at Singapore

10.3.2 INVESTMENT PROMOTION

10.3.2.1 SETTING UP AMARAVATI PARTNERSHIP OFFICE (APO)

- a. Singapore's Amaravati Partnership Office (APO) Economic Development team has been working closely with officers from APEDB and APCRDA to:
- i. identify sectors across Andhra Pradesh, gaps in their respective ecosystems, how Singapore and Singapore businesses can complement in the growth of these sectors and ii. identify projects in the areas of urban solution, where Singapore companies can contribute towards building a green and sustainable Amaravati.
- b. AP EDB has assigned officers to work with Singapore APO on this development.

10.3.2.2 TRADE DELEGATIONS

IE, Singapore on multiple occasions have been instrumental in connecting key investors from Singapore to Amaravati. A few of these investors include TerraFirma, a product that helps stiffen soil and earthworks; SP Power on their district cooling systems for Amaravati Government Complex; companies related to electric cars. to name a few.

10.3.3 ASIA SINGAPORE INFRASTRUCTURE ROUNDTABLE

The Asia-Singapore Infrastructure Roundtable is a premier platform for dialogue between government leaders, policy makers, investors and infrastructure companies on Asian infrastructure projects. Organized by IE Singapore, the seventh run since its inauguration, it has attracted more than 1100 industry practitioners, with over US \$6 billion worth of projects discussed. Given the prominence of the Amaravati project in the urban development in Asia, a team consisting of the following represented AP and Amaravati in the same:

- 1. Ajay Jain, Principal Secretary, AP Energy, Infrastructure & Investment Department
- 2. Rama Manohara Rao, Special Commissioner, AP Capital Region Development Authority
- 3. S Shan Mohan, Additional Commissioner, AP Capital Region Development Authority
- 4. Krishna Kishore, CEO, AP Economic Development Board
- 5. V. Ramnath, Executive Vice Chairman, AP Township & Infrastructure Development Limited

During the ASIR, key meetings were held between the GoAP delegates and the Government of Singapore as well as potential investors and partners. Amaravati Partnership Office (APO), together with IE Singapore, organized a breakout session to explore opportunities in Andhra Pradesh. Almost 40 companies from sectors ranging from construction to smart city solution providers to advisory services attended the session.



GoAP delegates with the Amaravati Partnership Office at Singapore, during the ASIR



10.3.4 JOINT IMPLEMENTATION STEERING COMMITTEE (JISC)

The first JISC co-chaired by Hon'ble Chief Minister Sri. Nara Chandrababu Naidu and Hon'ble Minister, Trade and Industry Sri. Iswaran was held on 15.05.2017

The second JISC held on 17.11.2017 at A.P. Secretariat, Velagapudi chaired by Hon'ble Minister, Trade and Industry Sri. Iswaran, Govt. of Singapore.

10.3.5 JOINT IMPLEMENTATION WORKING COMMITTEE (JIWC)

Three JIWC meetings were held, on the following dates:

- 1. 1st JIWC on 15.06.2017
- 2. 2nd JIWC on 17.08.2017
- 3. 3rd JIWC on 10.10.2017

3rd Joint Implementation Working Committee (JIWC)

The discussions of the three JIWC are summarized below.

10.3.6 SETTING UP AN AMARAVATI PLANNING, DESIGN RESEARCH INSTITUTE

The institute is primarily set up to tackle the following challenges:

- a. Capacity building for the city, and for the state
- b. Provide long-term supervision on ensuring Masterplan principles
- c. Collaborate and continuously innovate
- d. Ensure multi-stakeholder collaboration
- e. After undertaking programmes and evaluating the results arising, the Institute would recommend for wider-scale implementation and policy support for the State.
- f. The APDRI would accordingly be empowered under the provisions of the APCRDA Act 2014 to seek, coordinate and direct Government agencies on plans and schemes that are implemented by the Institute, with the cognizance of the Government and Authority.

10.3.7 WORKFORCE SKILLS EDUCATION

A suitable location for the Entrepreneurship Centre on the outskirts of Guntur city has been found, and the National Skills Development Corporation (NSDC) of India is advising on funding/loan arrangements. Singapore's Institute of Technical Education Education Services (ITEES) and Temasek Polytechnic are providing curriculum, train-the-trainer, Quality Assurance and other expertise.

10.3.8 ENHANCING PUBLIC LIBRARIES

Singapore's Cybrarian Ventures Pte Ltd (CVPL), a commercial arm of the National Library Board has been meeting with AP Libraries Department to share best practices and also learn about the unique requirements of AP in the area of Public Libraries. The Hyderabad State Library was visited to understand what is needed by the new AP State Library, which will be set up in Amaravati.

10.3.9 "29 VILLAGES PROJECT" BY URBAN SKETCHERS

To document the unique buildings in Amaravati, two teams of Urban Sketchers from Singapore will spend a week each to sketch the 29 villages. They will be joined by Urban Sketchers from India, and work will begin to establish an Urban Sketchers chapter in AP.

10.3.10 AP-SINGAPORE BUSINESS COUNCIL

APO is working together with the Singapore Business Federation (SBF) and CII

South Chapter to explore the formation of a AP-Singapore Business Council. The Business Council would promote private sector linkages and collaboration between Singapore and AP businesses across all sectors.

10.3.11 JOINT ECONOMIC ACTION PLAN

For a start, three sectors have been identified for further exploration into the areas of collaboration:

- 1. Logistics & Connectivity
- 2. Agro & Food Processing 3. Tourism

10.3.12 VIJAYAWADA - SINGAPORE AIR CONNECTIVITY

Since the Letter-of-Award Ceremony and the first Joint Implementation Steering Committee (JISC) meeting in May 2017, there have been three session of Joint Implementation Working Committee (JIWC) meetings in Andhra Pradesh (AP). The VGA-SIN air connectivity work stream was established during the first JIWC meeting between the Government of Singapore (GoS) and the Government of Andhra Pradesh (GoAP) on 16 June 2017. Both sides agreed that air connectivity namely, a direct flight service between VGA-SIN, was a key shared objective that would help raise commercial confidence and facilitate visits by potential international investors and high-level political leaders to AP.



PROGRESS ON JAPAN ASSOCIATION

Memorandum of Cooperation (MoC) was signed between the Government of AP and the Ministry of Economy, Trade and Industry of Japan on 22nd October 2015, By Hon'ble CM of AP and Hon'ble Minister for METI Mr Yosuki Takagi.

The MoC agreed on the following:

- 1. Development of Capital City
- a. Priority sector for Capital City identified as "Transportation infrastructure", to be taken up by JICA
- b. Other priority sectors mentioned in MoC for Capital city- Industrial townships, Intelligent Transport systems, Comprehensive Energy Management system (CEMS)
- 2. An AP Investment Task force (APIT) was set up to follow-up on the abovementioned projects from both sides
- 3. METI signed the MOC on behalf of various Japan Government bodies, including:
- a. Ministry of Agriculture, Forestry and Fisheries (MAFF)
- b. Ministry of Land, Infrastructure, Transport and Tourism (MLIT)
- c. Japan Bank for International Cooperation (JBIC)
- d. Japan External Trade Organization (JETRO)
- e. Japan International Cooperation Agency (JICA)
- f. New Energy and Industrial Technology Development Organization (NEDO)
- 10.4.1 MEMORANDUM OF UNDERSTANDING (MOU) SIGNED BETWEEN JBIC AND DEPARTMENT OF FINANCE, AP
- 1. MoU signed on 22nd October 2015, on the occasion of the Foundation stone laying ceremony of Amaravati.
- 2. MoU signed for exchange of information for development of Capital city and Region, around the following:
- a. Framework for development of Capital Region
- b. Status of development (Masterplans, status of financing, etc)
- c. Individual infrastructure projects planned, for interest of Japanese companies
- d. Status of potential investments planned by Japanese companies
- e. Other area as mutually agreed

10.4.2 TECHNICAL ASSISTANCE STUDIES BY JICA

- 1. Comprehensive Traffic and Transportation Study for Capital Region
- a. JICA is preparing Comprehensive Smart Traffic and Transportation Study (CTTS) for the Amaravati Capital Region
- b. The study is for a duration of 23 months and the Terms of Reference are detailed below:
- i. Action plans for traffic transportation issues of 12 Urban Local Bodies (ULBs) in AP Capital Region
- ii. Development of urban transport planning model (four step model) for the AP Capital Region
- iii. Development of long-term transport policies and strategies
- iv. Short term & long-term transport development plan
- v. Training and knowledge transfer
- vi. Support for public consultation process
- 2. ICT Masterplan for Capital city

A pre-feasibility study on the preparation of the ICT Masterplan for the Capital city has been commissioned by METI, as on 10th October 2017. A team consisting of officials from Mitsubishi Research Institute have undertaken multiple visits to Amaravati. The team would present its final report by March 2018. The study looks at the various aspects of the ICT landscape from hardware to software for effective governance of the Capital city.

10.4.3 GoAP – Japan Joint Conference was held on 12th July 2017, wherein a MoU was signed to explore the areas of cooperation between GoAP and Japan as identified.

Areas of Cooperation identified with Japan:

- 1. Infrastructure for development of Amaravati
- a. The METI Japan nominated companies have conducted studies on technologies to be deployed in Amaravati
- b. The following are the results of the studies:
- i. Data Centre & Cloud Computing Infrastructure

The Internet Initiative of Japan (IIJ Company) proposed state-of-the-art modular data centers with high efficiency and low energy consumption.



ii. Weather radar systems

Presented by Toshiba, which included a comprehensive strategy to tackle disaster management in the capital city.

iii. Water supply systems

To ensure every household get high quality clean potable water, Kobelco presented a Water treatment solution

iv. Sewerage Treatment systems

A Sewerage treatment plant with advanced energy saving technology was presented.

v. Traffic Control System

Nippon Signal proposed a state-of-the-art Traffic signal system that would decongest Vijayawada signals given its multiple road network and constraints.

c. A proposal to undertake several of the above projects through a Grant-in-aid by JICA is currently under consideration by the Government of India.



MoC between Government of Andhra Pradesh and Japan

2. Electronic city masterplan:

Using JICA funding to promote and create a PPP-friendly environment for various companies, including Japanese organizations to participate in the development of the Capital city. These include Infrastructure works such as Water / Sewer, Power, ICT as well as larger area development projects such as a Transit-oriented Development hub. The funds would be utilized towards investment promotion and establishment of Institutional framework such as regulators in place

3. Sport city masterplan:

Drawing on the expertise of the Ministry of Land Infrastructure and Transportation, in designing Tokyo for Olympics 2020, Amaravati would continue to have discussions on developing the Sports city on similar lines.



10.8 PROGRESS ON AUSTRALIA ASSOCIATION

10.5.1.1 The States of Western Australia and Andhra Pradesh established a Sister-State Agreement in December 2016 to develop further business, education and cultural links between the two States.

10.5.1.2 MoU on establishing a Water Sensitive Cities Partnership between Andhra Pradesh Department of Municipal Administration & Urban Development and Capital Region Development Authority and CRC for Water Sensitive Cities, signed on 11th December 2017.

Through the Australia-Andhra Pradesh Economic Cooperation Working Group process, Australia and Andhra Pradesh have identified water cooperation as a priority agenda item.

Key Andhra Pradesh(AP) partners:

- AP Department of Municipal Administration and Urban Development (APDMAUD)
- AP Capital Region Development Authority (APCRDA)
- AP Urban Infrastructure and Asset Management Ltd (APUIAML)

Key Australian partners:

• Cooperative Research Centre for Water Sensitive Cities (CRCWSC)

Details of the MoU are as below:

- 1. In the first instance, over the initial 12 months, the Partnership will focus on a technical assistance project to establish the vision and principles for better water management in Andhra Pradesh, with two key components:
- a. build Australia's world-leading water sensitivity practice into the development of Amaravati; and
- b. a pilot project to demonstrate how alternative approaches to drainage infrastructure can be retrofitted in the existing city of Vijayawada to seed a transformation to more sustainable urban water management.
- 2. The CRCWSC will be the facilitating organisation for the Australian Water Partnership in engaging with key departmental and agencies in Andhra Pradesh. Key milestone activities include the following:
- a. The CRCWSC will facilitate a common agreement on key water management outcomes amongst the different stakeholders



who manage and influence the delivery of urban water services in AP using Vijayawada and Amaravati as reference cities. These services include water supply, sanitation (i.e. underground drainage systems) and stormwater drainage.

- b. Working with the APCRDA, apply water sensitive principles in the design and development of Amaravati by facilitating a water sensitive cities design charrette. This charrette will identify innovation opportunities to incorporate the water sensitive principles in the design of key green infrastructure and water management elements in the public realm of the Government Precinct and the constructed waterway within Amaravati.
- c. Work with the relevant Andhra Pradesh authorities including the Municipal Administration and Urban Development Department and the Municipality of Vijayawada to put the water sensitive principles into practice through a number of demonstrations of green infrastructure retrofits in Vijayawada by leveraging opportunities in the planned drainage capital works program.
- 3. The Andhra Pradesh Municipal Administration and Urban Development Department and Andhra Pradesh Capital Region Development Authority will support the ongoing research and development of water sensitive technology and practices in Indian cities, including:
- a. Focusing on the design of the new capital Amaravati, the APCRDA will foster collaboration between its internationally and nationally renowned design consultants with the CRCWSC in establishing a learning platform for the effective translation and adaptation of CRCWSC research outputs to practice innovations.
- b. The Andhra Pradesh Municipal Administration and Urban Development Department will facilitate the adaptation and retrofitting of water sensitive approaches to stormwater management in existing Indian cities.
- 4. The budget for the first project of the Partnership is estimated to be approximately A\$1 million or approximately `500 Lakh, split equally between Australian Partners and AP Partners. The activities under the Partnership agreement will continue for an initial period of 1 year.





Australia-AP Economic Cooperation Working Group, Australia and AP identified water cooperation as a priority agenda item. Mr Tony Wong, CEO of the CRCWSC- Australia, Mr. Sean Kelly, Australian Consul-General to South India and his team met the APCRDA Commissioner, Dr. Sreedhar Cherukuri and presented their plan for building Amaravati as a world class water sensitive capital city



Key achievements in the relationship between UK and Andhra Pradesh, in chronological order:

- 1. The Prime Minister of Britain, Mr. David Cameron announced on 12th Nov 2015 that UK would enter into a 5-year partnership to develop the cities of Amaravati, Indore and Pune.
- 2. Hon'ble CM released "Investment Opportunities for UK investors in Amaravati the 21st Century Capital" on 11th-12th March 2016, prepared by Pricewaterhouse Coopers (PwC). Hon'ble Chief Minister along with Commissioner, APCRDA met with various investors in UK during the visit on 11th-12th March 2016.
- 3. CRDA organized a Smart City Leadership Programme with support of UK Government by British Standards Institute on 15th -16th February 2017, for the purpose of building capacity to Government of AP officials.
- 4. Commissioner APCRDA visited London to take part in Water Summit, and have discussions with Transport for London (TfL), Thames Water as well as the London Stock Exchange during 21st-23rd February 2017.
- 5. Govt. of UK through Deputy High Commission and DFID submits final report for various studies undertaken in March 2017:
- 1. Urban transport strategy
- 2. Water and Sewerage
- 3. Financing
- 4. Climate change.
- 5. APCRDA entered into a 3-year MoU with the British Geological Survey to establish Amaravati as an Asian Hub of Excellence for Urban geoscience. The MoU was signed in the presence of the Hon'ble Chief Minister on 9th August 2017.
- 6. Hon'ble CM lays the foundation stone on 16th August 2017 for Indo-UK institute of Health in Amaravati, developed in collaboration with King's College Hospital.
- 7. Contract signed with Foster + Partners on 23rd August 2017 for the Comprehensive Architectural designs



- 8. DFID UK organized a 2-day workshop on 12th 13th October 2017 on Capacity building and review of the LPS Neighbourhood designs with APCRDA officials and consultants by Arup, UK.
- 9. The UK-India partnership focuses on five closely linked areas, ease of doing business, finance, skills, energy and urban. In the urban sector, the UK aims to work with cities to attract investment; improve governance; make cities green and climate resilient and provide smart solutions for the provision of services like transport, water and energy.

Overall, a quick snapshot of projects supported by the UK in Amaravati city is shown below:

SI. No.	Name of the Project	Delivery Partner	Status
1	Raising finance for Amaravati city from London Stock Exchange A roadmap including a feasibility study on raising masala bonds at London Stock Exchange, and the financing structure of APCRDA was studied.	PwC	Completed
2	Transport solutions for Amaravati The possible Transportation solutions that can be adopted by APCRDA, and global best practices were provided.	PwC	Completed
3	Capacity building on water and wastewater management Review of the Water and Sewerage plan of Amaravati, packaging and PPP options for promotion in UK.	E&Y	Completed
4	Smart City Leadership capacity building Workshop on Leadership models for the city, building a Smart city and City standards	British Standards Institute	Completed
5	Climate Risk Profiling of Amaravati Climate risk modelling based on Global models, and estimating changes in Infrastructure standards for Amaravati		Completed
6	Climate smart specifications for city digital infrastructure procurement Specifications for Communication infrastructure in Coastal cities of AP to be disaster-resilient	ARUP	Completed
7	Strengthen Amaravatis urban designing and planning guidelines Review of Urban Design in Land Pooling Scheme, and effectively managing contracts for implementation	ARUP	Completed
8	Smart city standards and urban innovation laboratory Setting up City standards and an Urban Innovation Lab	British Standards Institute	Commenced
9	Sub-surface analysis of Amaravati city Technology and best practices to model and establish Amaravati as a hub of Urban Geoscience in Asia	British Geological Survey	3-year partnership; Ongoing

Table no. 18: List of projects supported by UK in Amaravati.

AWARDS & ACHIEVEMENTS

Best Digital Payments Adopter City

by Government of India under Smart City Mission in Feb, 2019

Ministry of Housing and Urban Affairs, Government of India provided

incentive of Rs. 26 Crores

for issuing bonds on Bombay Stock Exchange in Oct, 2018

Digital Award India, 2018

for Block Chain Technology for securing land records

SKOCH Silver Award, 2018

for Block Chain Technology for securing land records

SKOCH Order of Merit Award, 2018

for Block Chain Technology for securing land records

SKOCH Order of Merit Award, 2018

for "Mana Amaravati App"
Presented Amaravati Land Pooling Scheme
at the International Land and Poverty conference
by World Bank in Washington DC - 2018

HUDCO Design Award, 2017

for the project - Inter - weaving
'the existing' and 'the new': Case of Nelapadu
In Amaravati Capital City, Andhra Pradesh.

HUDCO Best Practices Award, 2017

for Voluntary Land Pooling Scheme at Amaravati

SKOCH Award, 2016

for Land Pooling Scheme

Smart City - Round 3

"Amaravati" selected as **first city under**

"Greenfield" category as Smart City

Amaravati city is registered with Indian Green Building Council (IGBC)

with IGBC Green Cities Rating System.



PHOTO GALLERY



CRDA Special Commissioner Ramamanohara Rao receiving award from Union Minister Hardeep S Puri in Delhi

Amaravati: The AP Capital Region Development Authority (APCRDA) has been awarded by Housing and Urban Development Corporation (HUDCO) under new and innovative town design solutions and eco cities category. The commendation prize was given for the project Inter-weaving the existing and the new case of Nelapadu village in capital city region

RIVER MARINA

Meeting conducted in APCRDA office on 01.09.2019 to discuss on River Marina project headed by Additional Commissioner Mr Sagili Shanmohan. At this meeting, there were talks about primary permissions and plans regarding the Marina Project. This Marina was an inspiration taken from the successful US, UK Marina's. This River Marina is capable of 60 berth boats and large parking area capacity.







IAS officer's residence - 12 slabs in 85 days

In Amaravathi, the first tower in IAS officers residence completed 12 slabs in a span of 85 days, which is a record. APCRDA Commissioner Dr. Sridhar Cherukuri inspected the place on 06.09.2018. He appreciated and felicitated the officers and Contractors for their collective hard work and timing.



STATE ADVOCATE GENERAL VISITED JUDICIAL COMPLEX

State Advocate General Mr Dammalapati Srinivas examined Judicial Complex works on 14.09.2018. APCRDA Commissioner Dr Cherukuri Sridhar explained Judicial Complex Project details and work schedule to Advocate General. Judicial Complex completed one part of its construction out of six and Second part works were going very rapidly.



Kondaveeti Vagu Lift Pumping Project

Honourable Chief Minister Sri Nara Chandrababu Naidu garu inaugurates Kondaveeti Vagu LIS scheme (16-09-2018)



Dr.Sridhar Cherukuri, APCRDA Commissioner visited smart city expo in Jaipur

Dr.Sridhar Cherukuri, APCRDA Commissioner visited smart city expo in Jaipur on (27–09–2018). At this Jaipur Sitapura Exhibition and Convention Centre(JECC), The Commissioner examined the stalls established by renowned smart solutions organizations such as Cisco, Ramboll, S.A.S., Oizom, C-Fog and discussed with their representatives regarding the Smart solutions. Also, the Commissioner has invited the representatives for a smart talk on this.

The Commissioner had observed Solid Waste Management, Parking for a Smart City and there are some technical talks with Fluentgrid Limited and Cisco representatives. He also visited Smart Poll Pavilion at the expo. The commissioner invited all the representatives from various stalls for the betterment of Amaravati, and the representatives have shown a positive vibe on coming to the Capital City. Later he visited Amaravati Stall, established by Amaravati Smart and Sustainable City Corporation Limited (ASSCCL), and expressed his satisfaction. One of the Organizers and Quantela Media Representatives presented a memento to the Commissioner.

This Smart City Expo was organized by Quantela Media organization, Jaipur Development Authority, Union Ministry of Housing and Urban Affairs and CII, Barkili and Huawei were the partners. Amaravati stall was drawn a special attention by delegates. Models in the Architecture students stall were helpful for understanding. Jaipur Development Authority and Delhi Development Authority Officers studied the Amaravati Master Plan from the Architecture Students. In this program, APCRDA IT Director Mr N.S.S. Sai Baba and ASSCCL Deputy Director Mr Bhavani Prasad have participated in the Expo.











Human Future Pavilion (HFP)

Human Future Pavilion (HFP) Foundation program was held at the Kondamarajupalem 12/10/2018. Dr. Sreedhar Cherukuri IAS, Commissioner of APCRDA and Mr. Yamazaki Yasuyo, CEO & President, Kuni Umi Asset Management, Tokyo, Japan had participated in the program.

Human Future Pavilion (HFP)

Human Future Pavilion (HFP) Foundation program was held at the Kondamarajupalem 12/10/2018. Dr. Sreedhar Cherukuri IAS, Commissioner of APCRDA and Mr. Yamazaki Yasuyo, CEO & President, Kuni Umi Asset Management, Tokyo, Japan had participated in the program.





HAPPYNEST SEE FUTURE... BE FUTURE!

Sri. Chandrababu Naidu, Honourable Chief Minister of Andhra Pradesh, inaugurated the "HAPPY NEST HOUSING PROGRAM" and launched the logo and brochure on 31-10-2018. Dr. Sreedhar Cherukuri IAS, Commissioner, APCRDA had given a presentation on this project. The Hon'ble Chief Minister ordered the officers to maintain transparency in the project and to follow the 'First Come- First Serve' method for the registration process.



Hon'ble Chief Minister inspection:

The APCRDA Projects (Seed-Access Road, AIS-MLA housing, NGO's Housing and the High Court) were inspected by the Hon'ble Chief Minister Sri. Chandrababu Naidu Nara accompanied by Dr. Sreedhar Cherukuri IAS, Commissioner, APCRDA and Team on 14/11/2018.

Workshop held with Singapore Consultancy Surbana Jurong

"Amaravati is not just the Capital of Andhra Pradesh, it is a Global City," said the Commissioner, Mr. Sreedhar Cherukuri IAS, APCRDA in a Workshop held with Singapore Consultancy Surbana Jurong on 23–11–2018 at the Hotel Pride Madhava.







CII-APSEEDCO Awareness Session on "Green Building Concepts and IGBC Green Ratings" held on 04/12/2018 at Hotel Murali Fortune, Vijayawada. Dr Sreedhar Cherukuri IAS, Commissioner, APCRDA attended as a Chief Guest and delivered his views on the Green Buildings Concepts



E-vehicles inauguration

The APCRDA and Amaravati Smart & Sustainable City Corporation Limited has jointly taken effective steps towards the Blue - Green Concept, which is one of the underlying foundation of Amaravati'. On that note, E-vehicles inauguration program happened at the APCRDA office on

5/12/2018. The EESL (Energy Efficiency Services Limited) Regional Head Mr Srinivasa Rao handed over Tata Tigor EV keys to Dr. Sreedhar Cherukuri IAS, Commissioner, APCRDA. The Commissioner along with Mr. Sagili Shan Mohan IAS, Add. Commissioner, took a test drive of the vehicle and expressed their satisfaction on the vehicle's performance and lauded EESL for providing the necessary support.

Amaravati Run

Amaravati Run was held on December 16 Sunday 2018 more than 3000 pepople participated. The half marathon was flagged by Mla sri T. Shravan kumar. Commissioner of Apcrda Dr Sridhar cherukuri interacted with the participants and he explained the development in Amaravati.



Foundation stone of Andhra Pradesh State Secretariat and HODs Administrative Complex at Amaravati

Honourable Chief Minister Sri. Chandrababu Naidu laid the foundation stone of Andhra Pradesh State Secretariat and HODs Administrative Complex at Amaravati on 27-12-2018. Our Amaravati will be home to the tallest Secretariat in the world. It is one of the days to remember in New Andhra Pradesh's legacy.





Entrepreneurial Real Estate and Construction Management for Farmers and Individuals of Amaravati

Dr Sreedhar Cherukuri IAS, Commissioner, APCRDA inaugurated the "Entrepreneurial Real Estate and Construction Management for Farmers and Individuals of Amaravati" the last day (01/01/2018) under the guidance of APCRDA and NAC (National Academy of Construction). The First Batch started with 50 members and, they will be awarded the Certificates once they complete their course.







Non-Gazetted Officers and their families visited the NGO Housing at Amaravati 08-01-2019. About 250 members arrived in 5 buses and visited their homes which are constructed by L&T Constructions. Everyone expressed their satisfaction and amazed by the Model Flats. In this visit, AP NGOs President Mr.Ashok Babu, AP Secretariat Associate President Mr.Murali Krishna and AP Secretariat Women Union President Smt. Sathya Sulochana and other Officials have participated.



Honourable Chief Minister Sri Chandrababu Naidu laid the foundation stone for Welcome Gallery in the presence of Mr.S Iswaran, Singapore Minister for Communications & Information at the Capital Amaravati 10-01-2019





Industrial visit to Magarpatta, Pune

As a part of APCRDA's "Entrepreneurship on Real Estate and Construction Management", a 20-day training program was conducted to the Farmers at the APCRDA Office. As a part of it, 40 Farmers shall be taken to industrial visit to Magarpatta, Pune, for better exposure 23-01-2019.



Hon'ble Chief Minister Sri. @ChandrababuNaidu accompanied by Smt. Bhuvaneshwari inspected the ongoing works of the Capital City on 27/01/2019. In this visit, Hon'ble Chief Minister visited the AIS-Model Flats, the High Court, Non- Governmental Organizations Housing, Gazetted& Non-Gazetted Officers Housing, Type-I and Type-II Officers Housing.

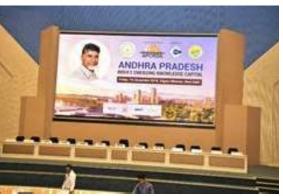


Hon'ble Civil Supplies Minister of Andhra Pradesh Mr. Prathipati Pulla Rao distributed the second edition of Houses to Homeless, poor in the capital city on 28-01-2019. Under the Pradhan Mantri Awas Yojana NTR Nagar Amaravati Scheme, 2,400 families got benefited, 2,400 Flats distributed to the Capital City people through the Lottery System.



Industrial visit to Magarpatta, Pune

As a part of APCRDA's "Entrepreneurship on Real Estate and Construction Management", a 20-day training program was conducted to the Farmers at the APCRDA Office. As a part of it, 40 Farmers shall be taken to industrial visit to Magarpatta, Pune, for better exposure 23-01-2019.











ACKN

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