TOWN AND COUNTRY PLANNING ORGANIZATION

19.01 The Town and Country Planning Organization (TCPO) is a technical wing of Ministry of Housing and Urban Affairs on matters concerning to Urban and Regional Planning and Development, Research, Monitoring and Appraisal of Central Government schemes, etc. It assists and advices the State Governments, Urban Local Bodies and Development Authorities on matters pertaining to Urbanization, Town Planning, Urban Transport, Metropolitan Planning, Urban and Regional Information System and Training. The Organization is headed by the Chief Planner who is also representing the Organization on various Boards, Committees and Councils of various Missions/Schemes/Organizations of Ministry of Housing and Urban Affairs.

19.02 TCPO is the nodal agency for monitoring centrally sponsored schemes on GIS-based Master Plan Formulation for AMRUT cities and Reform Evaluation under Atal Mission for Rejuvenation and Urban Transformation (AMRUT), Pilot on Formulation of Local Area Plan and Town Planning Scheme (LAP-TPS) for Selected Cities, National Urban Information System (NUIS) Scheme and Urban Infrastructure Development Scheme of Satellite Towns (UIDSST) around seven mega cities. In addition, it assists State Governments in matters related to urban policy and development.

Progress upto 31 December 2019

Role of TCPO in AMRUT Mission

19.03 AMRUT Mission mandates a set of 11 Reforms and 52 milestones which have to be implemented by the States/ Mission cities within 5 years. The AMRUT Guidelines incentivize reform implementation by setting aside 10% funds as incentive for States/ ULBs. The release of incentive is based on self-assessment report duly approved by State High Power Steering Committee (SHPSC) submitted to AMRUT Mission Directorate in the Ministry. TCPO prepares Reform Evaluation/ Assessment Report on the basis of which Ministry releases reforms incentives to the States every year. TCPO also does handholding with States and prepares Toolkit for AMRUT for Reform Assessment every year.

19.04 Activities under AMRUT Reforms

- A Toolkit for Reform Assessment for the year 2018-19 was prepared and circulated to all States.
- Two handholding workshop for preparation of Self-Assessment reports for AMRUT reform Incentive claims for the State/ ULB officials of West Bengal and Assam were organized by the division.
- During the calendar year 2019-20 Self-Assessment Reports on implementation of Urban Reforms (FY 2018-19) for incentive claims was submitted by 24 states. Only 3 reforms/

- milestone were implemented by States and ULBs namely a) Publication of annual financial statement on website, b) Development of atleast one children park every year and c) Preparation of Master Plan using GIS.
- TCPO has evaluated these self-assessment reports submitted by the States out of which 20 states (having 380 ULBS) have qualified for incentive claims. Based on AMRUT Reforms Scoring Report for 2018-19 submitted by TCPO the ministry released a sum of Rs. 418 cr as reform incentive.

Role of TCPO in Smart Cities Mission

19.05 The Smart Cities Mission was launched by the Government of India in June, 2015 to make 100 Smart Cities throughout the country with strategic components such as area based development through retrofitting, redevelopment, greenfield development and pan-city initiatives with smart solutions.

19.06 Chief Planner, TCPO is a member of the Apex Committee headed by the Secretary, Ministry of Housing & Urban Affairs, Government of India, which approves proposals and reviews progress of various Smart Cities on regular basis. Two officers from TCPO have also been nominated as Nominee Directors of Ministry on the Board of Directors of the Special Purpose Vehicles of Ahmedabad and Jabalpur Smart Cities Limited. These officers regularly attend Board meetings of respective smart cities and review projects and give necessary planning technical inputs to cities.

Sub Scheme on Formulation of GIS-based Master Plans for AMRUT Cities

19.07 Ministry of Housing and Urban Affairs has launched a sub-scheme on Formulation of GIS-based Master Plan for 500 AMRUT cities with outlay of Rs. 515.00 crores in October, 2015. The Sub-scheme has three major components:

- i. Generation of Base Map & Thematic Maps and Urban Database Creation at the scale of 1:4000 as per Design & Standards.
- ii. Formulation of GIS-based Master Plan
- iii. Capacity Building

19.08 The Sub-Scheme documents viz. Sub-Scheme Reform Agenda (Guidelines), Design & Standards document, Request for Proposal (RFP) document and State Action Plan (SAP) template were prepared, finalized and circulated to State Governments. State Mission Directorates (SMD) requested to prioritize cities and demarcate planning areas of cities and also provide timelines and action plan for implementation of the Sub-Scheme.

19.09 Later the Memorandum of Understanding (MoU) for creation of geo-spatial database between MoUD and NRSC was signed, which was followed by 2nd National Meet to discuss the modalities of implementation of the Sub-Scheme on 20.10.2016 at Hyderabad. The

PROPOSED LAND USE/LAND COVER MAP OF ITANAGAR CITY

MASTER FLAN OF ITANAGAR CAPITAL DISCON
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3rd and 4th National Meet were held on 22.09.2017 and 05.07.2019 at NRSC, Hyderabad for the timely implementation of Sub-Scheme.

Sub-Scheme on Formulation of GIS-based Master Plan for AMRUT Cities - Landuse Map of Itanagar

Sub-Scheme on Formulation of GIS-based Master Plan for AMRUT Cities

19.10 The Sub-Scheme envisages to a speedier formulation of GIS based Master Plan for effective landuse management, monitoring of spatial growth to enable project planning and better urban management.

19.11 As on date, approved State Action Plans (SAPs) have been received from 34 States (456 towns are on board). The UTs of Dadra & Nagar Haveli & Lakshadweep opted out from the Sub Scheme. The financial and physical progress of Sub-Scheme as on date is as follows:

Table 1: Financial Progress of Sub-Scheme upto December 2019

Activities	Overall Progress
Submission of Proposals with SAP for fund release	34 States/UTs
First Installment (20%) released	34 States/UTs (Rs.70.97 Cr)
Second Installment (40%) released	10 States/UTs (Rs.19.43 Cr)
Third Installment (20%) released	01 States/UTs (Rs.0.15 Cr)
Total Amount released till date	Rs.97.31 Cr.
First Installment (20%) released to NRSC for Geo-	Rs.7.36 Cr
database creation	
UC (full/ partial) received and forwarded to Ministry	24 States/UTs (Rs.51.40 Cr)



Visit of JS (AMRUT) to Geo-database Generation Facility at NRSC, Hyderabad under Sub-Scheme on Formulation of GIS-based Master Plans for AMRUT Cities

Table 2: Physical Progress of Sub-Scheme upto December 2019

Geo-spatial database cre	ation	
Mapping area demarcated	29	366
Satellite data acquired	29	326
Data processed	29	299
Thematic maps created	26	251
Geo database vetted	9	120
Draft maps generated	26	245
Final Maps Delivered	7	87
Formulation of Master	Plan	
RFPs floated	24	290
Contracts awarded	20	193
Socio-economic data collected	18	149
Socio-economic data analysed	16	140
Draft Master Plan Report submitted	8	29
Final Master Plan Report submitted	3	7
Capacity Building		
	Trainings	Participants
Decision makers	7	168
Middle level officers	12	277
Operators & Technicians	4	86
Mixed training at NCoG	7	114
One week training	1	17

Vetting and Attribute Data Collection	12	645
Total	43	1387
Conferences/National Meets	4	426
Consultancy Evaluation and Review Committee (CERC) /	30 out o	of 34 States/
Monitoring & Review Committee (MRC) constituted		UTs
Identification of Nodal Officer/Agency		34

19.12 Once the draft geo-database is delivered to the State Govts., the concerned State/ ULB has to conduct vetting and attribute data collection through ground survey. In this connection, TCPO in collaboration with NRSC are conducting a series of two-day hands-on training program on Vetting and Attribute Data Collection with the States/UTs to expedite the Sub-Scheme. A dedicated dashboard of the Sub-Scheme has also been designed by URIS, which is available at http://tcpo.gov.in/Dashboard/index.html.



Workshop on Vetting and Attribute Data Collection held at Hyderabad on 6.11.2019

Promoting Space Technology Based Tools and Applications in Governance & Development

- 19.13 The Space Technology Application Cell for Urban and Regional Planning in Town and Country Planning Organization (TCPO) has been created as a follow up of National Meet on promoting use of 'Space Technology in Governance and Development' under the Chairmanship of Hon'ble Prime Minister held on 07.06.2015 at New Delhi and as per the directions of the Cabinet Secretariat and Ministry of Urban Development vide Officer Order No. A/11017/2/2015/TCPO/Admin-III(PP&C) dated 29.10.2015.
- 19.14 The Cell would be the Nodal Centre for all Centre/State/ULBs Govt. Organizations/ departments for remote sensing and GIS Application in Urban and Regional Planning. NRSC/DoS has agreed to provide HW/SW for strengthening of Cell; accordingly a proposal was prepared in-consultation with NRSC/ DoS and submitted to Ministry. The cell has designed an academic curriculum for Schools' of Planning and Architecture to enhance the capacity building in 'Promoting Space Technology based Tools and Applications'. The objectives of establishing 'Space Technology Application Cell' are:
 - Development of Design and Standards for database generation using Space technology for cities/towns in the Country.
 - Formulation of GIS based Master Plans using Space Technology.
 - Capacity Building.
 - Identification of projects/ schemes/ programmes for application of Space Technology in Urban and Regional Planning and Development.
 - Implementation and monitoring of such projects.
 - Any other relevant activities on advancement of Space Technology in the field.

19.15 So far, TCPO has designed course content for the use of 'Space Technology Application Cell for Urban & Regional Planning' under Capacity Building component of Sub-Scheme on formulation of GIS based Master Plan. Correspondingly, 7 Desktop computers, 3 Laptops, 1 HP Server, 1 1KVA UPS for server, 6 UPS for desktops, 7 B/W Printers, 1 High-end Computer, 3 All in computers and 1 A3 size LaserJet Color Printer have been purchased and installed at Space Technology Application Cell for further research and capacity building works.

Design and Standard Document for Application of Drone/ UAV technology in Formulation of GIS based Master Plans for Small and Medium Towns

19.16 Ministry of Housing and Urban Affairs (MoHUA) has recognized the potential of UAVs and in planning, infrastructure development in small & medium towns/ urban redevelopment projects. Therefore a Committee for Framing Design & Standards for Application of Drone/UAV Technology for formulation of GIS (Geographic Information System) based Master Plans for small and medium towns has been constituted under the Chairmanship of Surveyor General of India.

19.17 In this endeavor, an Authoring Committee was constituted to prepare draft Design & Standards for application of Drone/UAV Technology for formulation of GIS based Master Plans for small and medium towns. The progress so far is as under:

- The Chairman has constituted an Authoring Committee comprising of TCPO officers and five meetings were held at TCPO.
- A draft Design and Standard Document has been prepared and submitted to the main Committee.
- The main committee has approved the Draft Document
- The Draft Document has been circulated to all Stakeholders for comments and suggestion.

As of now the comments from State many Governments and Institutions have been received and incorporated suitably in the document. The revised document has been submitted to the main Committee for approval.

Urban Geo-Portal of the Ministry

19.18 TCPO in coordination with NRSC, Hyderabad and Survey of India has implemented Ministry's pioneer urban development and mapping schemes (e.g. NUIS & Urban Mapping Scheme and currently on-going Sub-Scheme on GIS-based Master Plans for AMRUT Cities). As a result, a huge urban geo-database of various towns has been created which is of great use for developing, initiating, implementing development/ infrastructure related projects & schemes. Therefore, Ministry has decided to host this database on NIC facility and share with other departments as repository.

19.19 In a meeting held on 22 November 2017, Secretary MoHUA envisioned the Urban Geo-Portal as a single window system for uploading the geo-data base created under past, present and future Urban Missions/Schemes of the Ministry in coordination with National Informatics Centre (NIC). Work accomplished so far is as below:

- Coordinated with the Ministry, NIC & Survey of India for the progress & meetings.
- Coordinated with Ministry for approval of uploading Urban Mapping Scheme (UMS) and NUIS Data on portal.
- Coordinated with Survey of India (facilitator) for obtaining the Ministry of Defense clearance for uploading the data on portal as National Map Policy.
- Coordinated with States for obtaining the Municipal boundaries in shape file of five towns i.e. Chennai, Tumkur, Raipur, Ranchi and Bhubaneswar and shared with NIC.
- Coordinating with NIC for uploading the Urban Mapping Scheme (UMS) & NUIS data on portal.

National Urban Information System Scheme

19.20 The Ministry of Urban Development launched the National Urban Information System (NUIS) Scheme in March 2006 for 152 towns with a total outlay of Rs. 66.28 crore of which 75% was to be borne by the Central Govt. and the 25% was the State share. The NUIS Scheme consists of four major components: i) Mapping at 1:10000 scale using satellite images and 1:2000 scale using aerial photography, ii) Systems (HW/SW), iii) National Urban Database & Indicators (NUDBI), and iv) Capacity Building.

19.21 Capacity Building is a major component of NUIS Scheme, till date, 3000 personnel have been trained in Regional Workshops and State level training Programs.

Urban Infrastructure Development Scheme for Satellite Towns (UIDSST) around Seven Mega Cities

19.22 TCPO has updated the physical and financial progress of UIDSST, appraised various utilization certificates and inspection reports, recommended release of next installment for eligible towns and prepared the status of progress of UIDSST along with status of reform implementation for satellite towns. The Scheme has been completed on 31.3.2019.

Role of TCPO in Ease of Doing Business

19.23 The revised Model Building Bye Laws 2016 have envisaged 'Streamlining the Building Plan Approvals' including all clearances within a month of application through online building plan approval system in order to ensure ease of doing business. The World Bank Report on Doing Business mandated both the MCD and MCGM to implement OBPS under the Ease of Doing Business for improvement in ranking in Construction Permits. Task Force and TPA constituted from TCPO coordinated with Municipal Corporation of Delhi and Mumbai in successful implementation of OBPS. Ministry nominated officers from TCPO to coordinate two parallel efforts: i) Doing Business Ranking in MCD/MCGM, ii) Mission mode to implement OBPS in all States. For Doing Business Report 2021, two more cities, viz., Kolkata and Bengaluru have been added for assessment.

19.24 The country has continued to improve its performance under Construction Permits indicator achieving 27th rank in the Doing Business Report (DBR) - 2020 as against 52 in DBR- 2019. Both the Corporation Delhi and Mumbai have implemented number of reforms including integration of internal and external agencies involved in granting of No Objection Certificates (NOCs), Common Application Form (CAF), Joint inspection, Risk Based classification, Deemed Approval, Reduction in fee which is recognized by the World Bank Doing Business Team in terms of procedures, time and cost. Massive IEC/ awareness and sensitization campaign and capacity building programme for both the corporation have been done.

Performance in DBR-2019 and DBR-2020

S.No	Item	M	C D	MCGM				
		DBR-2019	DBR-2020	DBR-2019	DBR-2020			
1	Number of Procedures	16	11	20	19			
2	Time (days)	91	113.5	99	98			
3	Cost	4.2	2.8	6.6	5.4			
	(as % of warehouse value)							
4	Building Quality Control	14	15	14	14			
	Index							
5	Country Rank	52	27					

Formulation of Local Area Plan and Town Planning Scheme of Selected Cities

19.25 Under the Smart City Mission, the cities have been encouraged to take up Area-based development, the strategic components which are city improvement (retrofitting), city renewal (redevelopment) and city extension (greenfield development). Realizing the significance of planned development in both brownfield and green field areas, Ministry has launched a pilot on Formulation of Local Area Plan (LAP) & Town Planning Scheme (TPS) for 25 Smart Cities. The cities were selected based on (i) presence of Notified Master Plan/Development Plan, (ii) Progress made towards preparation of GIS-based Master Plan and (iii) Progress under AMRUT Mission – whether SAAP III submitted by the State and approved.

19.26 The existing areas can be redeveloped by preparing Local Area Plans (LAPs), while at the same time the Town Planning Schemes (TPS) can be implemented for planned urban expansion in the peripheral greenfield areas. The Scheme enables the selected cities to send the proposals for formulating Local Area Plans (LAPs) and Town Planning Schemes (TPS) for which central assistance is available. Based on the formulation of Local Area based Plans (LAPs) and Town Planning Schemes (TPS) by the city concerned, prioritization of urban infrastructure projects can be taken up.

19.27 Status of the Sub-scheme on Formulation of LAP-TPS upto January 2020

- i. Total number of Cities Selected: 25 cities
- ii. Total number of Cities Submitted Preliminary Proposal: 25 (all cities)
- iii. Sanctioned Order for First installment released (Rs. 40.00 Lakh): 17 cities
 - Pune Indore Amritsar Thiruvananthapuram Jaipur
- Imphal Faridabad Chennai Bhubaneshwar Warangal
- Aizawl Gangtok Dehradun Vishakhapatnam Guwahati
- Patna Shimla
- iv. Preliminary Proposal Recommended for the release: 01 city: Varanasi

- v. Scrutiny of preliminary proposals has been done and SHPSC Approval awaited: 07 cities: Rajkot, Srinagar, Panaji, Raipur, Ranchi, New Kolkata and Bengaluru. TCPO is following up with the cities for expediting approval.
- vi. Better and Potential performing cities: 13 (based on the progress of the work like conducting preliminary surveys, finalizing the anchor institute and compilation of land records/ preparation base map and firming up of delineation of LAP TPS Area): Indore, Imphal, Pune, Guwahati, Rajkot, Vishakhapatnam, Dehradun, Srinagar, Varanasi, Chennai, Faridabad, Bhubaneswar and Panaji.



Secretary MoHUA and JS (AMRUT) grace the LAP-TPS Workshop at CEPT Ahmedabad

APPENDICES

 ${\bf Appendix\text{-}IV}$ Statement Showing Staff Strength as on 31.12.2019 - TCPO

Name of Office/	Group-A	Group-B	Group-B	Group-C	Group-	Work	Total
Organisation	Gazetted	Gazetted	Non-		D	Charged	Staff
			Gazetted				
1	2	3	4	5	6	7	8
Town & Country Planning Organisation, Ministry of Housing & Urban Affairs	24	02	39	28	14	-	107

Statement Showing $\underline{\text{Estimated figures}}$ of Staff Strength from 01.01.2020 to 31.03.2020 - TCPO

Name of Office/	Group-A	Group-B	Group-B	Group-C	Group-	Work	Total
Organisation	Gazetted	Gazetted	Non-	_	D	Charged	Staff
			Gazetted				
1	2	3	4	5	6	7	8
Town & Country							
Planning							
Organisation,	24	02	38	28	14		106
Ministry of	24	02	36	26	14	_	100
Housing & Urban							
Affairs							

Position regarding Employment of Ex-Servicemen from 01.01.2019 to 31.12.2019 in TCPO

1 00101011 1 08011 011119 221	iployment of Lx Belvice	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	01/12/2019 III 1 01 0
Group	Number of vacancies	Number of vacancies	Number of Ex-
	reserved	filled	servicemen appointed
			against unreserved
			vacancies
1	2	3	4
Ministry and its			
attached/ Subordinate			
Office			
С	Nil	Nil	Nil
D	Nil	Nil	Nil
Public Sector			
Undertakings			
A	-	-	-
В	-	-	-
С	-	-	-
D	-	-	-

Position regarding Employment of Ex-Servicemen from 01.01.2020 to 31.03.2020 (Estimated figure) in TCPO

Group	Number of vacancies	Number of vacancies	Number of Ex-
	reserved	filled	servicemen appointed
			against unreserved
			vacancies
1	2	3	4
Ministry and its			
attached/ Subordinate			
Office			
С	Nil	Nil	Nil
D	Nil	Nil	Nil
Public Sector			
Undertakings			
A	-	-	-
В	-	-	-
С	-	-	-
D	-	-	-

Statement showing the representation of SCs, STs and OBCs from 01.01.2019 to 31.12.2019 in TCPO

Group	Numbe	er of E	nploy	ees	Nur	nber o	f appo	intment	s made vea	_	the p	revious	calend	lar	
	of Employees		STs	OBCs	By D	By Direct Recruitment		tment	nt By Promotion				By Other Method		
	as on 31.12.2019				Total	SCs	STs	OBCs	Total	SCs	STs	Total	SCs	STs	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Group A	24	5	02	05	-	-	-	-	-	-	-	ı	-	-	
Group B	41	14	04	06	-	1	1	-	-	-	-	ı	-	-	
Group C	28	06	03	08	-	-	-	-	-	-	-	-	-	-	
Group D (Excluding Safai Karmchari)	13	04 02 04		-	1	1	-	-	1	-	1	-	-		
Group D (Safai Karmchari)	01	01	1	-	- -		. 1	-	-	-	-	1	-	-	
Total	107	30	11	23	-	-	-	-	-	-	-	-	-	-	

Statement showing the representation of SCs, STs and OBCs from 01.01.2020 to 31.03.2020 (Estimated figure) in TCPO

Group	Numbe	r of E	mploy	ees	Num	ber of	appo	intments	s made	during	g the p	revious	calen	dar	
		1	1	1					yea			ı			
	Total No.	SCs	STs	OBCs	By Direct Recruitment By Promotion							By Other			
	of											Method			
	Employees														
	as on				Total	SCs	STs	OBCs	Total	SCs	STs	Total	SCs	STs	
	31.03.2020														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Group A	24	5	02	05	-	-	-	-	-	-	-	-	-	_	
Group B	40	13	04	06	-	-	-	-	-	-	-	-	-	_	
Group C	28	06	03	08	-	-	-	-	-	-	-	-	-	-	
Group D	13	04	02	04	-	-	-	-	-	-	-	-	-	_	
(Excluding															
safai															
Karmchari)	0.1	0.4													
Group D	01	01	-	-			-	-	-	-	-	-	-	-	
(Safai															
Karmchari)															
Total	106	29	11	23	-	-	-	-	-	-	-	-	-	-	

Statement showing the Representation of the persons with disabilities during the year from 01.01.2019 to 31.12.2019 in TCPO

GROUP	Numbe	er of E	Employ	rees	DIRECT RECRUITMENT							PROMOTION							
	as on 3	31.12.2	019		No. of				No. of				acanci	es	No. of Appointments				
					vacancies			Appointments				reserved				Made			
					r	eserve			made									•	
	Total	VH	HH	ОН	VH	HH	ОН	Total	VH	HH	ОН	VH	HH	OH	Total	VH	HH	OH	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Group A	24	•	•	1	-	-	•	-	•	•	•	•	•	•	-	•	٠	-	
Group B	41	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Group C	28	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Group C	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(MTS)																			
TOTAL	107			04															

Statement showing the Representation (Estimated figures) of the persons with disabilities from 01.01.2020 to 31.03.2020 in TCPO

GROUP	Numbe	er of E	Employ	vees	DIRECT RECRUITMENT							PROMOTION									
	as on 3	1.03.2	2020		No. of			No. of			No. of vacancies				No. of Appointments			ents			
					vacancies			Appointments			reserved				Made						
	TO A DESTRUCTION OF							r	eserve	d	1	nade									
	Total	VH	HH	OH	VH	HH	OH	Total	VH	HH	OH	VH	HH	OH	Total	\mathbf{VH}	$\mathbf{H}\mathbf{H}$	ОН			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			
Group A	24	•	•	1	•	•	٠	-	•	•	•	•	•	•	1	•	٠	-			
Group B	40	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Group C	28	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Group C	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
(MTS)																					
TOTAL	106			04																	

Note: (i) VH stands for Visually Handicapped (persons suffering from blindness or low vision)

(ii) HH stands for Hearing Handicapped (persons suffering from hearing impairment)

(iii) OH stands for Orthopedically Handicapped (persons suffering from locomotor disability or cerebral palsy)